

DMAP Reports - Old Pearl Game Mgt. - 2017

BIOLOGIST Pierce.Young COUNTY Simpson County, MS
 ACRES 6000 YEARS ON DMAP 26 SOIL REGION Lower Coastal Plain

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. 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.

I'm Pierce Young, the Central Region Private Lands Biologist with MDWFP and I will be analyzing your data and writing your DMAP report again this year. We had thought that Caleb Hinton would be your biologist going forward, but plans have changed in regards to regions. I plan to be your DMAP biologist now and in the future. I look forward to working with you more. Caleb was able to do a site visit on your property this past year, and since it looks like I will be your biologist going forward I would love to come out to see the property and meet with your members to discuss management. I will be in contact in the near future, but do not hesitate to contact me via phone or email (my contact info will be at the bottom of the page).

Data collection for the 2017-2018 season was excellent. No missing jawbones and no missing data. Great job.

DOE HARVEST: Your club met 86% of the doe harvest recommendations. Doe body weights continue to be above the regional average. 3.5+ year old doe lactation remains high at 92% (I like to see this remain above 60%). Excellent. The percentage of 3.5+ does in the harvest is being maintained at 54%, indicating that there is still an older doe population that is growing (I'd like to see it down below 40%). The high doe body weights and high doe lactation indicate that there is adequate enough nutrition for the deer using your property. Everything is looking good. Population History Reconstruction estimates there will be a minimum of 100-110 does on your property, so in order to maintain a healthy deer population you would need to harvest about 25-30% = 25-30 does for the 2018-2019 season (harvest about 1 doe per 222 acres).

BUCK HARVEST: This was the highest buck harvest your club has had since joining DMAP. 62% were 4.5+ years old. Great job. Your buck harvest results fall in the success category of your indicated goal of "Optimizing Recreational Harvest and Antler Size". Your indicated antler criteria on your application is a 14 inch spread. None of the bucks harvested that were younger than 4.5 years old met your antler criteria. If these are youth harvests, mark this on the harvest sheets in the future. If you would like to harvest more 4.5+ year old bucks, another antler criteria you could also use would be a 15 inch spread and/or a 18 inch main beam (based on your previous harvests).

The higher buck harvest for 2017-2018 matches with many other properties in the area, since most of the 3-5 year old bucks last season were born in good nutrition rainy years, and buck harvest across the region was very low in 2016-2017 due to high winter temperatures and a high acorn crop.

Be aware that many of the bucks born as fawns in 2015 and 2016 were born into drought conditions, and most of them may be "below average" as 2 and 3 year olds in 2018-2019.

HARVEST SUMMARY

	Recommended Harvest	Number Harvested	Acres/Deer Harvested	% Data Collected
Bucks	0 - 0	22	272	100
Does	28 - 32	24	250	100
Totals		46	130	100

Comments

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Data collection for the 2017-2018 season was excellent. No missing jawbones and no missing data. Your club met 86% of the doe harvest recommendations.

RECOMMENDED HARVEST (NEXT SEASON)

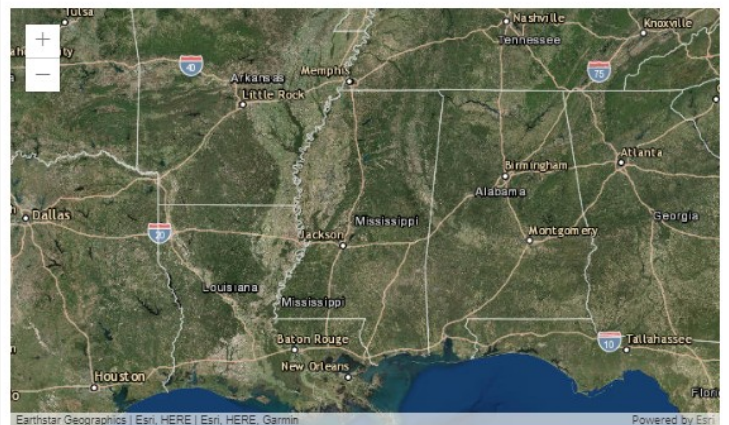
Bucks: - Does: -

Comments

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Based on the above average body weights and high doe lactation the deer herd seems to be at a healthy level. Population Reconstruction estimates there to be about 100 to 110 does on the property. In order to maintain a healthy deer herd, I would recommend harvesting 25 to 30 does (1 doe per 222 acres) during the 2018-2019 season.

CLUB MAP



Comments

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I have not had the opportunity to visit with your club at your property. Please feel free to contact me if you would like me to come out. If not, and you could provide a map with your clubs boundary lines, I would appreciate it.

HARVEST HISTORY

Select start & end years to group columns:

Start ▼

Select season for regional comparison:

5-Yr Avg ▼

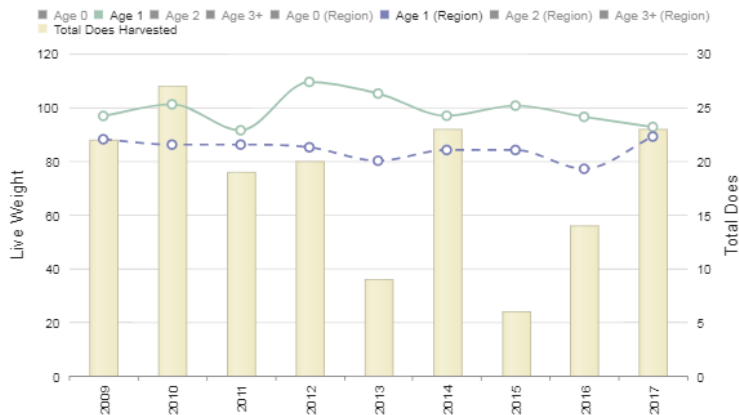
	Region Avg	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004
Acres	4777	3062	6000	0	6000	6000	6000	6000	6000	6000	6000	6000	6000	5700	6000
Total Deer	21.9	17	46	23	22	35	17	29	38	34	37	32	43	34	31
Bucks	10.3	6	22	9	14	11	8	9	19	6	15	9	7	11	8
Does	11.6	10	24	14	8	24	9	20	19	28	22	23	36	23	23
Acres/Deer	218	175	130	0	272	171	352	206	157	176	162	187	139	176	183
Bucks	464	464	272	0	428	545	750	666	315	1000	400	666	857	545	712
Does	412	281	250	0	750	250	666	300	315	214	272	260	166	260	247

Comments

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DOE WEIGHTS WITH HARVEST

Click series in legend to toggle visibility.



Comments

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Doe body weights continue to be above the regional average.

BUCK HARVEST HISTORY

Select start & end years to group columns:

Start ▼

Select season for regional comparison:

5-Yr Avg ▼

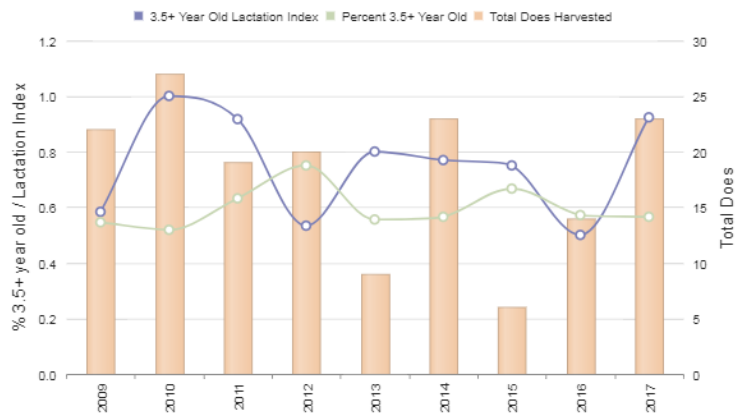
	Region Avg	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004
Bucks	10.3	11	22	9	14	11	8	9	19	6	15	9	7	11	8
Acres/Buck	453.2	566	272	0	428	545	750	666	315	1000	400	666	857	545	712
% .5 Bucks	2.4	12	4	11	7	9	N/A	N/A	N/A	N/A	N/A	N/A	28	18	N/A
# .5 Bucks	0.3	1	1	1	1	1	0	0	0	0	0	0	2	2	0
Avg Weight	57.0	59	56	48	60	50	N/A	N/A	N/A	N/A	N/A	N/A	80	67	N/A
% 1.5 Bucks	9.2	23	13	11	7	9	25	11	15	16	26	11	N/A	27	25
# 1.5 Bucks	0.9	3	3	1	1	1	2	1	3	1	4	1	0	3	2
% Spikes	68.8	64	33	100	0	0	100	100	33	100	75	0	N/A	33	0
Avg Weight	93.6	116	112	130	106	120	122	130	127	120	111	124	N/A	118	73
Avg Points	2.2	3	2.7	2.0	3.0	6.0	2.0	2.0	5.0	2.0	2.3	4.0	N/A	4.7	3.5
Avg Base	1.2	1	2.3	0.0	2.3	2.4	1.1	1.1	1.5	1.8	1.4	2.3	N/A	2.3	2.8
Avg Length	3.4	6	6.0	0.0	10.1	12.0	3.1	3.3	4.6	4.0	4.7	6.6	N/A	7.9	10.3
Avg Spread	3.1	5	3.3	0.0	9.0	6.0	5.7	4.4	4.8	4.1	4.3	6.3	N/A	6.8	6.6
% 2.5 Bucks	21.4	19	9	N/A	N/A	9	25	11	N/A	16	13	33	42	9	37
# 2.5 Bucks	2.4	1	2	0	0	1	2	1	0	1	2	3	3	1	3
Avg Weight	128.8	149	136	N/A	N/A	180	174	155	N/A	135	126	158	148	145	141
Avg Points	6.1	7	6.5	N/A	N/A	11.0	7.0	8.0	N/A	6.0	8.0	8.3	7.3	8.0	7.0
Avg Base	3.1	3	3.2	N/A	N/A	3.7	3.1	4.5	N/A	2.5	2.9	3.5	3.3	3.1	3.5
Avg Length	12.7	14	13.6	N/A	N/A	17.9	15.4	16.3	N/A	13.4	14.0	16.2	13.1	14.5	14.6
Avg Spread	10.5	11	11.0	N/A	N/A	10.8	12.5	14.0	N/A	10.5	9.1	13.0	10.5	12.1	10.6
% 3.5 Bucks	28.0	24	13	22	28	27	50	22	15	50	26	22	28	27	12
# 3.5 Bucks	2.9	2	3	2	4	3	4	2	3	3	4	2	2	3	1
Avg Weight	141.2	162	149	146	162	143	178	156	151	168	159	160	165	161	205
Avg Points	7.2	7	7.3	6.5	8.3	6.7	8.0	7.0	8.0	7.0	8.3	8.5	8.0	6.3	8.0
Avg Base	3.5	3	3.6	2.0	4.5	3.2	4.2	3.6	3.6	3.4	3.3	4.1	3.9	3.7	4.0
Avg Length	15.0	15	15.7	9.4	19.2	14.9	17.6	15.7	14.1	14.6	15.8	18.4	15.7	13.9	17.4
Avg Spread	12.1	12	12.0	6.0	14.0	10.5	15.0	11.8	13.5	11.4	13.3	13.5	13.0	13.6	13.6
% 4.5+ Bucks	30.4	37	59	55	57	45	N/A	55	68	16	26	22	N/A	18	25
# 4.5+ Bucks	3.1	5	13	5	8	5	0	5	13	1	4	2	0	2	2
Avg Weight	158.6	177	176	171	173	190	N/A	172	174	220	164	193	N/A	165	155
Avg Points	7.9	8	9.2	8.2	9.0	7.6	N/A	7.0	9.0	8.0	8.8	8.5	N/A	10.5	8.0
Avg Base	4.0	4	4.6	3.6	4.8	3.4	N/A	3.6	4.1	4.6	4.1	4.6	N/A	4.8	3.9
Avg Length	16.9	18	19.7	10.9	20.4	19.8	N/A	14.7	17.6	21.8	20.9	21.8	N/A	20.1	17.9
Avg Spread	13.7	15	15.5	16.4	15.3	15.5	N/A	12.8	14.9	16.5	16.1	16.1	N/A	15.4	15.4

Comments

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DOE AGE STRUCTURE IN RELATION TO HARVEST AND LACTATION RATES

Click series in legend to toggle visibility.



Comments

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The percentage of 3.5+ does in the harvest is being maintained at 54%, indicating that there is still an older doe population that is growing (I'd like to see it down below 40%).

DOE HARVEST HISTORY

Select start & end years to group columns:

Select season for regional comparison:

Start ▼

5-Yr Avg ▼

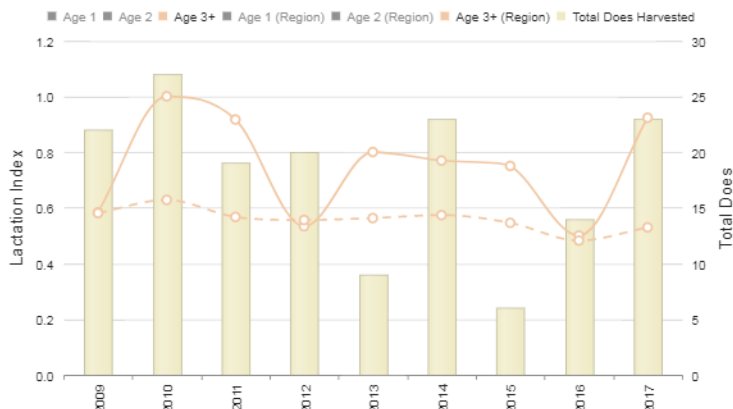
	Region Avg	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004
Does	11.6	27	24	14	8	24	9	20	19	28	22	23	36	23	23
Acres/Doe	402.4	325	250	0	750	250	666	300	315	214	272	260	166	260	247
% .5 Does	3.8	8	4	N/A	12	4	N/A	N/A	N/A	3	N/A	N/A	8	17	8
# .5 Does	0.5	2	1	0	1	1	0	0	0	1	0	0	3	4	2
Avg Weight	55.0	53	58	N/A	60	38	N/A	N/A	N/A	55	N/A	N/A	54	49	58
% 1.5 Does	17.4	22	29	21	25	16	22	15	15	25	27	30	25	26	21
# 1.5 Does	2.1	4	7	3	2	4	2	3	3	7	6	7	9	6	5
Avg Weight	82.8	96	92	96	100	96	105	109	91	101	96	95	100	91	88
% 2.5 Does	18.4	19	12	21	N/A	25	22	10	21	21	18	8	27	21	17
# 2.5 Does	2.2	4	3	3	0	6	2	2	4	6	4	2	10	5	4
Avg Weight	94.6	107	96	93	N/A	103	121	119	121	102	102	104	107	110	105
% 3.5+ Does	54.0	52	54	57	50	54	55	75	63	50	54	60	38	34	52
# 3.5+ Does	6.3	10	13	8	4	13	5	15	12	14	12	14	14	8	12
Avg Weight	102.4	111	108	108	122	119	121	118	114	112	103	111	105	108	108
% Lactation	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5	6.4	45	0	33	0	0	50	33	66	57	66	42	55	16	40
2.5	37.6	68	33	33	N/A	83	50	100	75	100	50	0	90	60	75
2.5+	49.2	76	81	45	75	78	71	58	87	100	56	81	91	76	81
3.5+	53.4	80	92	50	75	76	80	53	91	100	58	92	92	87	83

Comments

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% DOE LACTATION

Click series in legend to toggle visibility.



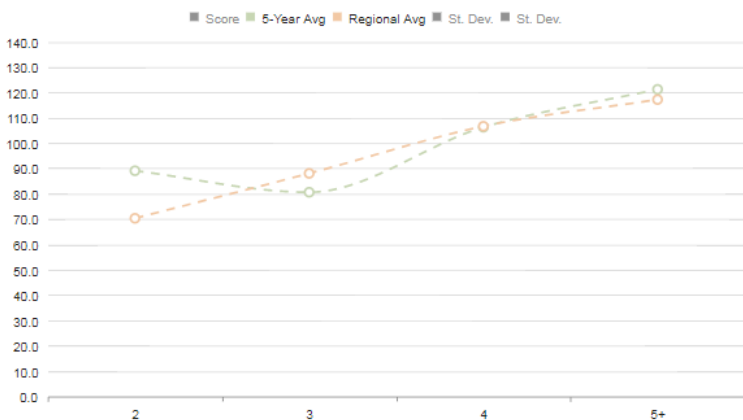
Comments

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3.5+ year old doe lactation remains high at 92% (I like to see this remain above 60%).

B&C SCORE BY AGE

Click series in legend to toggle visibility.



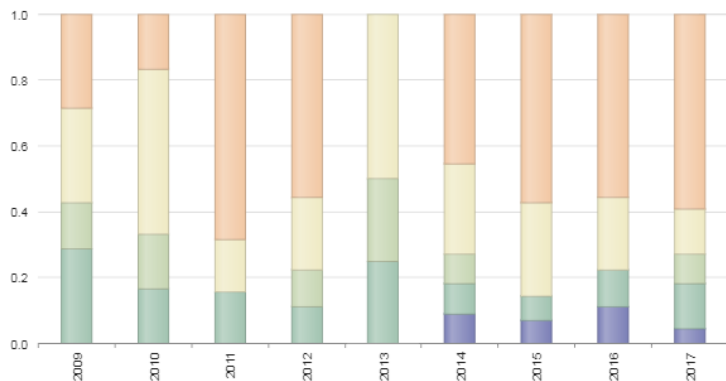
Comments

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This graphs shows that in the 5-year average of bucks your club has harvested, the highest quality bucks (above average) were harvested at 2.5 years old.

% BUCKS BY AGE CLASS

Click series in legend to toggle visibility.



Comments

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This was the highest buck harvest your club has had since joining DMAP. 62% were 4.5+ years old.

2017 Buck Harvest (not including buck fawns)

- 14% = 1.5 years old
- 10% = 2.5 years old
- 14% = 3.5 years old
- 62% = 4.5 years old

ESTIMATED B&C SCORE

		Estimated Non-typical B&C Score				
	Show	Age	Num	At Harvest	At Maturity (Min)	At Maturity (Max)
Group	<input checked="" type="checkbox"/>	2.5	2	73 6/8	108 4/8	120
Group	<input checked="" type="checkbox"/>	3.5	3	89 1/8	106 1/8	113 4/8
Group	<input checked="" type="checkbox"/>	4.5	6	116 4/8	124	127 3/8
	<input checked="" type="checkbox"/>	5.5+	7	128 4/8	128 4/8	128 4/8

Comments

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ATTACHMENTS

Select files...

• [20180725192301606_0.pdf](#)

Old Pearl GM_Harvest Sheet_2017-2018

Delete

• [20180725192301606_1.pdf](#)

DMAP Data Collection Info

Delete

Summary

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Old Pearl Game Management has done an excellent job of managing a biologically healthy deer herd over the last 26 years.

Data collection for the 2017-2018 season was excellent. No missing jawbones and no missing data. Your club met 86% of the doe harvest recommendations. Doe body weights, doe lactation, and the number of mature does in the harvest, all indicate that there is a healthy deer herd. I would recommend harvesting 25 to 30 does (1 doe per 222 acres) in the 2018-2019 season in order to maintain the deer herd at a healthy level.

This was the highest buck harvest your club has had since joining DMAP. 62% were 4.5+ years old. Great job. Your results fall in the success category of "Optimizing Recreational Harvest and Antler Size".

I look forward to working with you more in the future.

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

Thank you,

Pierce Young

Private Lands Biologist - Central Region
1505 Eastover Drive
Jackson, MS 39211
662-549-0451
PierceY@mdwfp.state.ms.us