

DMAP Reports - Old Pearl Game Mgt. - 2019

NRIS ID: 6576 DMAP ID: 6406
 BIOLOGIST: Pierce.Young COUNTY: Simpson County, MS
 ACRES: 6000 YEARS ON DMAP: 28 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 25 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 209-2020 season was very good. There were 3 missing jawbones (#1, 8, and 11)

DOE HARVEST: 72% of the doe harvest recommendations were met. This was down from the previous 2 years. Much of the region had a high acorn crop. Not sure if this was the case for y'all. I know the warmer weather didn't help. Doe body weights continue to be below the regional average, and have slowly declined over the last 7 years. 3.5+ year old doe lactation remains near the regional average (I like to see this above 60%). The percentage of older does in the harvest was low at 33% (I like to see it down below 40%) and had declined over the last 7 years. This is good to see. Population History Reconstruction estimates there will be a minimum of 85-90 does on your property, so in order to maintain a healthy deer population you would need to harvest about 30% = 25-30 does for the 2020-2021 season (harvest about 1 doe per 222 acres).

BUCK HARVEST: 100% of bucks harvested were 3.5+ years old with 64% of the bucks harvested being 4.5+ years old. Excellent. Your highest "quality" bucks (above average/highest potential) are being harvested at maturity (5.5+ years old). This is good to see. Your buck harvest results meet your indicated goal of "Optimizing Recreational Harvest and Antler Size".

HARVEST SUMMARY

	Recommended Harvest	Number Harvested	Acres/Deer Harvested	% Data Collected
Bucks	0 - 0	18	333	100
Does	25 - 30	18	333	77
Totals		36	166	88

Comments

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Data collection for the 209-2020 season was very good. There were 3 missing jawbones (#1, 8, and 11)

72% of the doe harvest recommendations were met.

RECOMMENDED HARVEST (NEXT SEASON)

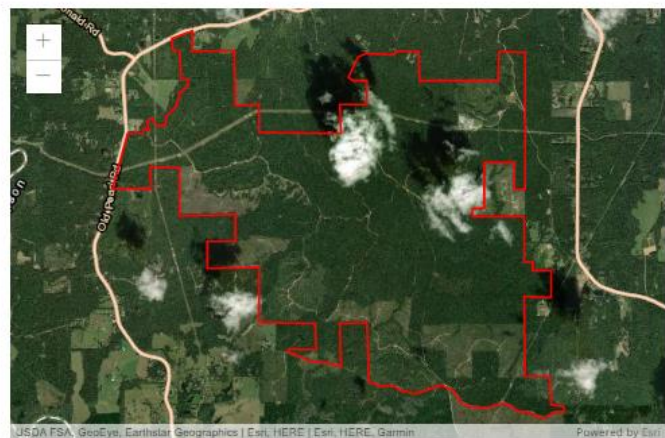
Bucks: - Does: -

Comments

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In order to maintain a healthy deer population I recommend harvesting 25-30 does for the 2020-2021 season (harvest about 1 doe per 222 acres).

CLUB MAP



Comments

18px **B** *I* U **A** [List Icons]

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HARVEST HISTORY

Select start & end years to group columns:

Start

Select season for regional comparison:

5-Yr Avg

	Region Avg	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Acres	3259 3472	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000	6000
Total Deer	31.7 19	36	43	46	23	22	35	17	29	38	34	37	32
Bucks	12.2 7	18	19	22	9	14	11	8	9	19	6	15	9
Does	19.5 11	18	24	24	14	8	24	9	20	19	28	22	23
Acres/Deer	102 182	166	139	130	260	272	171	352	206	157	176	162	187
Bucks	267 468	333	315	272	666	428	545	750	666	315	1000	400	666
Does	167 299	333	250	250	428	750	250	666	300	315	214	272	260

BUCK HARVEST HISTORY

Select start & end years to group columns:

Start

Select season for regional comparison:

5-Yr Avg

	Region Avg	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Bucks	12.2 12	18	19	22	9	14	11	8	9	19	6	15	9
Acres/Buck	275.2 543	333	315	272	666	428	545	750	666	315	1000	400	666
% .5 Bucks	2.8 11	5	N/A	4	11	7	9	N/A	N/A	N/A	N/A	N/A	N/A
# .5 Bucks	0.4 1	1	0	1	1	1	1	0	0	0	0	0	0
Avg Weight	64.4 61	70	N/A	56	48	60	50	N/A	N/A	N/A	N/A	N/A	N/A
% 1.5 Bucks	13.8 22	16	15	13	11	7	9	25	11	15	16	26	11
# 1.5 Bucks	1.9 3	3	3	3	1	1	1	2	1	3	1	4	1
% Spikes	80.0 61	66	33	33	100	0	0	100	100	33	100	75	0
Avg Weight	107.0 115	110	105	112	130	106	120	122	130	127	120	111	124
Avg Points	2.5 3	2.3	4.0	2.7	2.0	3.0	6.0	2.0	2.0	5.0	2.0	2.3	4.0
Avg Base	1.0 2	2.5	2.2	2.3	0.0	2.3	2.4	1.1	1.1	1.5	1.8	1.4	2.3
Avg Length	3.8 7	8.1	7.7	6.0	0.0	10.1	12.0	3.1	3.3	4.6	4.0	4.7	6.6
Avg Spread	3.9 5	5.3	6.4	3.3	0.0	9.0	6.0	5.7	4.4	4.8	4.1	4.3	6.3
% 2.5 Bucks	9.6 18	N/A	5	9	N/A	N/A	9	25	11	N/A	16	13	33
# 2.5 Bucks	1.2 1	0	1	2	0	0	1	2	1	0	1	2	3
Avg Weight	144.8 150	N/A	170	136	N/A	N/A	180	174	155	N/A	135	126	158
Avg Points	6.3 7	N/A	7.0	6.5	N/A	N/A	11.0	7.0	8.0	N/A	6.0	8.0	8.3
Avg Base	3.0 3	N/A	3.5	3.2	N/A	N/A	3.7	3.1	4.5	N/A	2.5	2.9	3.5
Avg Length	13.0 14	N/A	13.9	13.6	N/A	N/A	17.9	15.4	16.3	N/A	13.4	14.0	16.2
Avg Spread	10.7 11	N/A	9.1	11.0	N/A	N/A	10.8	12.5	14.0	N/A	10.5	9.1	13.0
% 3.5 Bucks	21.6 24	27	31	13	22	28	27	50	22	15	50	26	22
# 3.5 Bucks	2.7 2	5	6	3	2	4	3	4	2	3	3	4	2
Avg Weight	157.4 161	151	163	149	146	162	143	178	156	151	168	159	160
Avg Points	7.3 7	8.0	7.3	7.3	6.5	8.3	6.7	8.0	7.0	8.0	7.0	8.3	8.5
Avg Base	3.6 3	4.0	3.9	3.6	2.0	4.5	3.2	4.2	3.6	3.6	3.4	3.3	4.1
Avg Length	15.7 15	15.9	15.5	15.7	9.4	19.2	14.9	17.6	15.7	14.1	14.6	15.8	18.4
Avg Spread	12.7 12	11.7	13.4	12.0	6.0	14.0	10.5	15.0	11.8	13.5	11.4	13.3	13.5
% 4.5+ Bucks	37.6 39	50	47	59	55	57	45	N/A	55	68	16	26	22
# 4.5+ Bucks	4.6 5	9	9	13	5	8	5	0	5	13	1	4	2
Avg Weight	178.8 177	175	180	176	171	173	190	N/A	172	174	220	164	193
Avg Points	8.2 8	9.0	8.1	9.2	8.2	9.0	7.6	N/A	7.0	9.0	8.0	8.8	8.5
Avg Base	4.3 4	5.2	4.1	4.6	3.6	4.8	3.4	N/A	3.6	4.1	4.6	4.1	4.6
Avg Length	18.6 18	18.5	18.1	19.7	10.9	20.4	19.8	N/A	14.7	17.6	21.8	20.9	21.8
Avg Spread	14.8 15	13.9	14.6	15.5	16.4	15.3	15.5	N/A	12.8	14.9	16.5	16.1	16.1

DOE HARVEST HISTORY

Select start & end years to group columns:

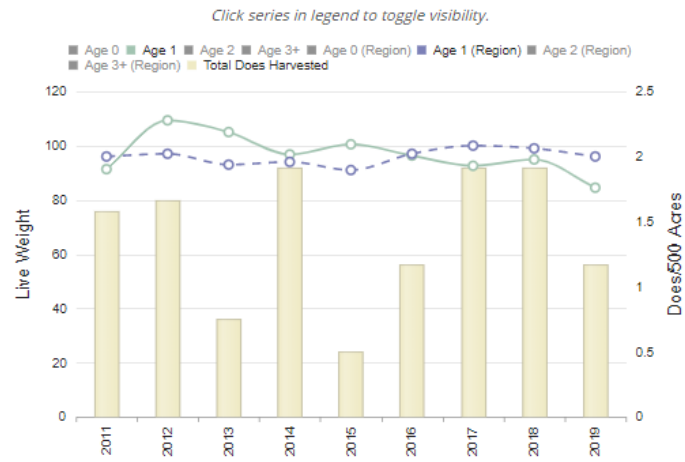
Start

Select season for regional comparison:

5-Yr Avg

	Region Avg	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Does	19.5 21	18	24	24	14	8	24	9	20	19	28	22	23
Acres/Doe	168.6 327	333	250	250	428	750	250	666	300	315	214	272	260
% .5 Does	6.2 8	N/A	4	4	N/A	12	4	N/A	N/A	N/A	3	N/A	N/A
# .5 Does	1.3 1	0	1	1	0	1	1	0	0	0	1	0	0
Avg Weight	65.0 56	N/A	82	58	N/A	60	38	N/A	N/A	N/A	55	N/A	N/A
% 1.5 Does	17.6 22	11	41	29	21	25	16	22	15	15	25	27	30
# 1.5 Does	3.5 4	2	10	7	3	2	4	2	3	3	7	6	7
Avg Weight	96.6 95	84	94	92	96	100	96	105	109	91	101	96	95
% 2.5 Does	14.8 20	33	20	12	21	N/A	25	22	10	21	21	18	8
# 2.5 Does	3.0 4	6	5	3	3	0	6	2	2	4	6	4	2
Avg Weight	105.6 106	101	105	96	93	N/A	103	121	119	121	102	102	104
% 3.5+ Does	54.6 50	33	33	54	57	50	54	55	75	63	50	54	60
# 3.5+ Does	10.8 10	6	8	13	8	4	13	5	15	12	14	12	14
Avg Weight	112.8 111	112	107	108	108	122	119	121	118	114	112	103	111
% Lactation	N/A -												
1.5	11.4 44	0	30	0	33	0	0	50	33	66	57	66	42
2.5	43.8 66	66	40	33	33	N/A	83	50	100	75	100	50	0
2.5+	54.2 73	58	53	81	45	75	78	71	58	87	100	56	81
3.5+	57.0 77	50	62	92	50	75	76	80	53	91	100	58	92

DOE WEIGHTS WITH HARVEST

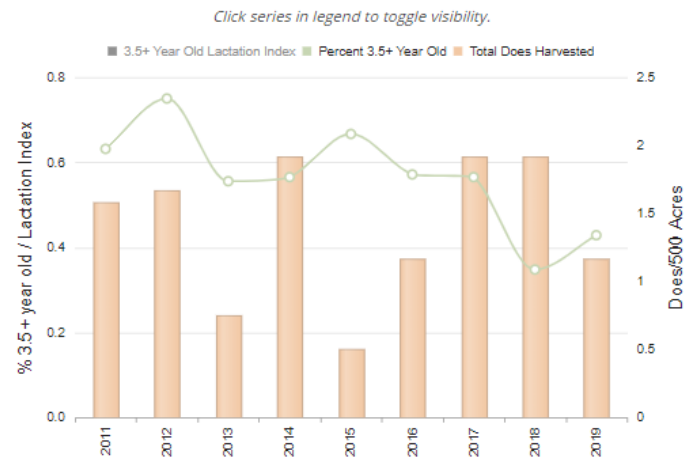


Comments

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Doe body weights continue to be below the regional average, and have slowly declined over the last 7 years.

DOE AGE STRUCTURE IN RELATION TO HARVEST AND LACTATION RATES

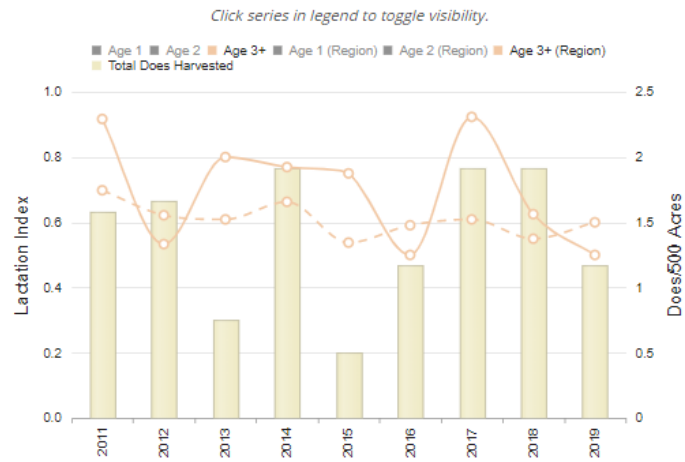


Comments

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The percentage of older does in the harvest was low at 33% (I like to see it down below 40%) and had declined over the last 7 years. This is good to see.

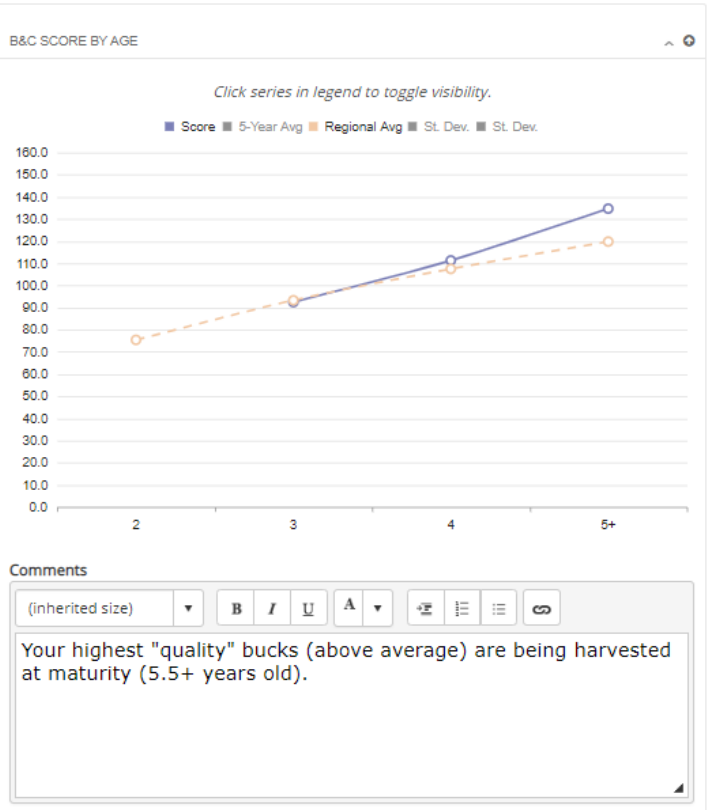
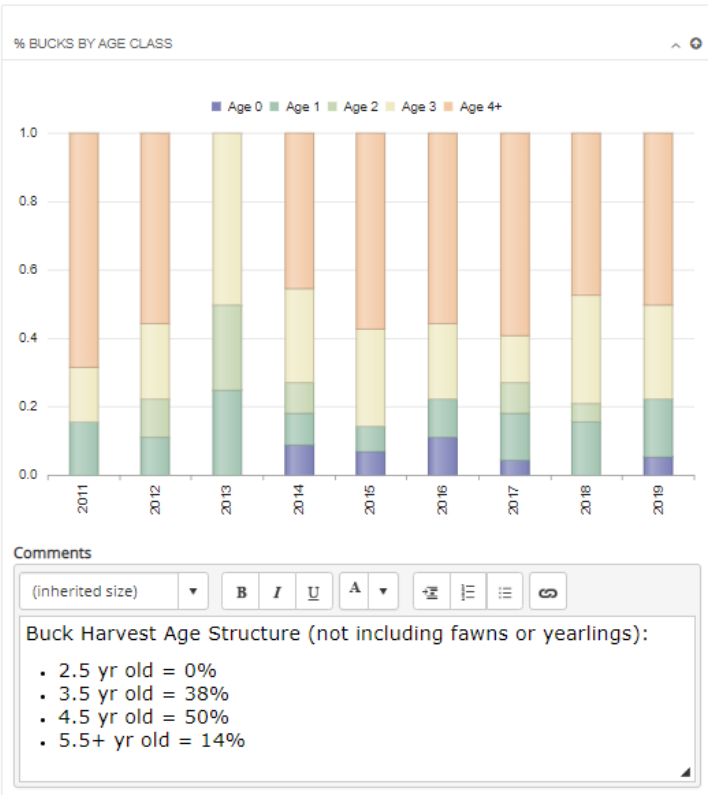
% DOE LACTATION



Comments

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3.5+ year old doe lactation remains near the regional average (I like to see this above 60%).



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	0		0	
Group	<input checked="" type="checkbox"/>	3.5	5	92 4/8	106 2/8	117 6/8
Group	<input checked="" type="checkbox"/>	4.5	7	111 2/8	117 1/8	121 5/8
	<input checked="" type="checkbox"/>	5.5+	2	134 5/8	134 5/8	134 5/8

Comments

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Your highest "quality" bucks (highest potential) are being harvested at maturity (5.5+ years old).

Summary

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Old Pearl Game Management has done a good job of managing a biologically healthy deer herd over the last 25+ years.

Data collection for the 209-2020 season was very good. There were 3 missing jawbones (#1, 8, and 11)

72% of the doe harvest recommendations were met.

In order to maintain a healthy deer population I recommend harvesting 25-30 does for the 2020-2021 season (harvest about 1 doe per 222 acres).

100% of bucks harvested were 3.5+ years old with 64% of the bucks harvested being 4.5+ years old. Your highest "quality" bucks (above average/highest potential) are being harvested at maturity (5.5+ years old). Your buck harvest results meet your indicated goal of "Optimizing Recreational Harvest and Antler Size".

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

Thank you,

Pierce Young

Private Lands Biologist - Central Region

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662-549-0451

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