

DMAP Reports - Old Pearl Game Mgt. - 2018

NRIS ID: 6576 DMAP ID: 6406
 BIOLOGIST: Pierce.Young COUNTY:
 ACRES: 6000 YEARS ON DMAP: 27 SOIL REGION: Lower Thin Loess

Introductory Comments

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

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 2018-2019 season was excellent.

DOE HARVEST: 96% of the doe harvest recommendations were met. Good job. Doe body weights continue to be above the regional average, but they seem to be making a shift in the right direction. 3.5+ year old doe lactation remains above average at 62% (I like to see this remain above 60%). Excellent. The percentage of 3.5+ does in the harvest is being continues to decline to 35% (I'd like to see it down below 40%). This is exactly what we want to see. Everything seems to be headed in the right direction. Population History Reconstruction estimates there will be a minimum of 90-100 does on your property, so in order to maintain a healthy deer population you would need to harvest about 25-30% = 25-30 does again for the 2019-2020 season (harvest about 1 doe per 222 acres).

BUCK HARVEST: 94% of bucks harvested were 3.5+ years old with 56% of the bucks harvested being 4.5+ years old. Good job. All bucks harvested younger than 2.5 years old were harvested by youth. Your buck harvest results fall in the success category of your indicated goal of "Optimizing Recreational Harvest and Antler Size".

HARVEST SUMMARY

| | Recommended Harvest | Number Harvested | Acres/Deer Harvested | % Data Collected |
|--------|---------------------|------------------|----------------------|------------------|
| Bucks | 0 - 0 | 19 | 315 | 100 |
| Does | 25 - 30 | 24 | 250 | 100 |
| Totals | | 43 | 139 | 100 |

Comments

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

Data collection for the 2018-2019 season was excellent.
96% of the doe harvest recommendations were met.

RECOMMENDED HARVEST (NEXT SEASON)

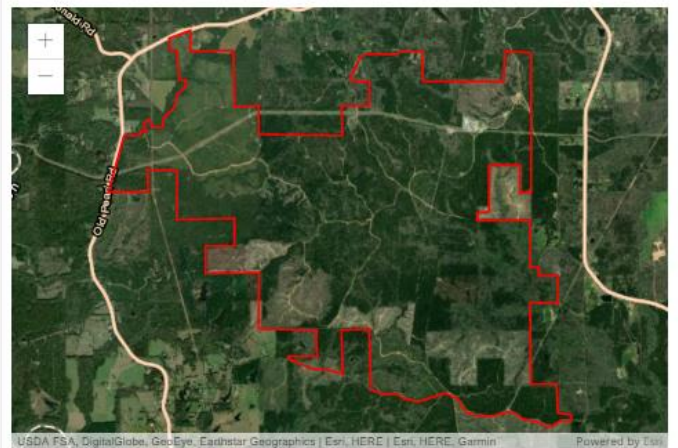
Bucks: - Does: -

Comments

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

In order to maintain a healthy deer population I would recommend harvesting 25-30 does again for the 2019-2020 season (harvest about 1 doe per 222 acres).

CLUB MAP



Comments

(inherited size) **B** *I* U A [List Icons] [Link Icon]

HARVEST HISTORY

Select start & end years to group columns: Start Select season for regional comparison: 5-Yr Avg

| | Region | Avg | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 |
|------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Acres | 3667 | 3382 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 | 6000 |
| Total Deer | 37.6 | 18 | 43 | 46 | 23 | 22 | 35 | 17 | 29 | 38 | 34 | 37 | 32 | 4 |
| Bucks | 14.7 | 7 | 19 | 22 | 9 | 14 | 11 | 8 | 9 | 19 | 6 | 15 | 9 | |
| Does | 22.9 | 11 | 24 | 24 | 14 | 8 | 24 | 9 | 20 | 19 | 28 | 22 | 23 | 3 |
| Acres/Deer | 97 | 183 | 139 | 130 | 260 | 272 | 171 | 352 | 206 | 157 | 176 | 162 | 187 | 13 |
| Bucks | 249 | 480 | 315 | 272 | 666 | 428 | 545 | 750 | 666 | 315 | 1000 | 400 | 666 | 85 |
| Does | 160 | 297 | 250 | 250 | 428 | 750 | 250 | 666 | 300 | 315 | 214 | 272 | 260 | 16 |

BUCK HARVEST HISTORY

Select start & end years to group columns: Start Select season for regional comparison: 5-Yr Avg

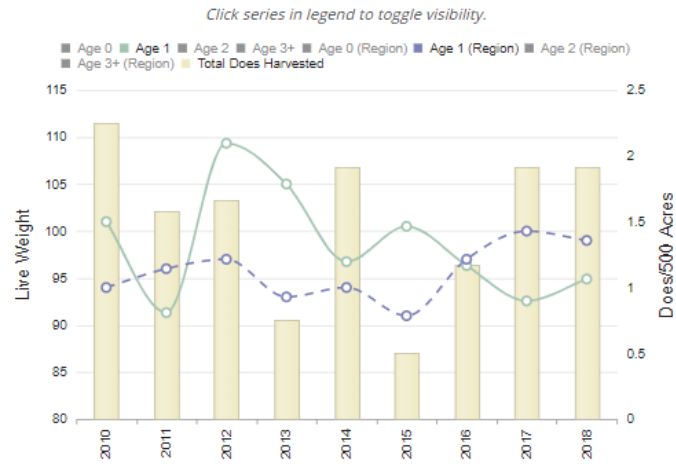
| | Region | Avg | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 |
|--------------|--------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| Bucks | 14.7 | 12 | 19 | 22 | 9 | 14 | 11 | 8 | 9 | 19 | 6 | 15 | 9 | |
| Acres/Buck | 250.2 | 557 | 315 | 272 | 666 | 428 | 545 | 750 | 666 | 315 | 1000 | 400 | 666 | 85 |
| % .5 Bucks | 3.0 | 12 | N/A | 4 | 11 | 7 | 9 | N/A | N/A | N/A | N/A | N/A | N/A | 2 |
| # .5 Bucks | 0.5 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Avg Weight | 64.2 | 59 | N/A | 56 | 48 | 60 | 50 | N/A | N/A | N/A | N/A | N/A | N/A | 8 |
| % 1.5 Bucks | 16.6 | 22 | 15 | 13 | 11 | 7 | 9 | 25 | 11 | 15 | 16 | 26 | 11 | N/A |
| # 1.5 Bucks | 2.5 | 3 | 3 | 3 | 1 | 1 | 1 | 2 | 1 | 3 | 1 | 4 | 1 | |
| % Spikes | 83.2 | 61 | 33 | 33 | 100 | 0 | 0 | 100 | 100 | 33 | 100 | 75 | 0 | N/A |
| Avg Weight | 109.0 | 115 | 105 | 112 | 130 | 106 | 120 | 122 | 130 | 127 | 120 | 111 | 124 | N/A |
| Avg Points | 2.3 | 3 | 4.0 | 2.7 | 2.0 | 3.0 | 6.0 | 2.0 | 2.0 | 5.0 | 2.0 | 2.3 | 4.0 | N/A |
| Avg Base | 0.9 | 2 | 2.2 | 2.3 | 0.0 | 2.3 | 2.4 | 1.1 | 1.1 | 1.5 | 1.8 | 1.4 | 2.3 | N/A |
| Avg Length | 3.4 | 6 | 7.7 | 6.0 | 0.0 | 10.1 | 12.0 | 3.1 | 3.3 | 4.6 | 4.0 | 4.7 | 6.6 | N/A |
| Avg Spread | 2.4 | 5 | 6.4 | 3.3 | 0.0 | 9.0 | 6.0 | 5.7 | 4.4 | 4.8 | 4.1 | 4.3 | 6.3 | N/A |
| % 2.5 Bucks | 9.8 | 18 | 5 | 9 | N/A | N/A | 9 | 25 | 11 | N/A | 16 | 13 | 33 | 4 |
| # 2.5 Bucks | 1.5 | 1 | 1 | 2 | 0 | 0 | 1 | 2 | 1 | 0 | 1 | 2 | 3 | |
| Avg Weight | 142.8 | 150 | 170 | 136 | N/A | N/A | 180 | 174 | 155 | N/A | 135 | 126 | 158 | 14 |
| Avg Points | 6.2 | 7 | 7.0 | 6.5 | N/A | N/A | 11.0 | 7.0 | 8.0 | N/A | 6.0 | 8.0 | 8.3 | 7 |
| Avg Base | 2.9 | 3 | 3.5 | 3.2 | N/A | N/A | 3.7 | 3.1 | 4.5 | N/A | 2.5 | 2.9 | 3.5 | 3 |
| Avg Length | 12.8 | 14 | 13.9 | 13.6 | N/A | N/A | 17.9 | 15.4 | 16.3 | N/A | 13.4 | 14.0 | 16.2 | 13 |
| Avg Spread | 10.4 | 11 | 9.1 | 11.0 | N/A | N/A | 10.8 | 12.5 | 14.0 | N/A | 10.5 | 9.1 | 13.0 | 10 |
| % 3.5 Bucks | 21.0 | 24 | 31 | 13 | 22 | 28 | 27 | 50 | 22 | 15 | 50 | 26 | 22 | 2 |
| # 3.5 Bucks | 3.2 | 2 | 6 | 3 | 2 | 4 | 3 | 4 | 2 | 3 | 3 | 4 | 2 | |
| Avg Weight | 159.0 | 162 | 163 | 149 | 146 | 162 | 143 | 178 | 156 | 151 | 168 | 159 | 160 | 16 |
| Avg Points | 7.4 | 7 | 7.3 | 7.3 | 6.5 | 8.3 | 6.7 | 8.0 | 7.0 | 8.0 | 7.0 | 8.3 | 8.5 | 8 |
| Avg Base | 3.7 | 3 | 3.9 | 3.6 | 2.0 | 4.5 | 3.2 | 4.2 | 3.6 | 3.6 | 3.4 | 3.3 | 4.1 | 3 |
| Avg Length | 15.7 | 15 | 15.5 | 15.7 | 9.4 | 19.2 | 14.9 | 17.6 | 15.7 | 14.1 | 14.6 | 15.8 | 18.4 | 15 |
| Avg Spread | 12.6 | 12 | 13.4 | 12.0 | 6.0 | 14.0 | 10.5 | 15.0 | 11.8 | 13.5 | 11.4 | 13.3 | 13.5 | 13 |
| % 4.5+ Bucks | 35.0 | 38 | 47 | 59 | 55 | 57 | 45 | N/A | 55 | 68 | 16 | 26 | 22 | N/A |
| # 4.5+ Bucks | 5.2 | 5 | 9 | 13 | 5 | 8 | 5 | 0 | 5 | 13 | 1 | 4 | 2 | 2 |
| Avg Weight | 180.8 | 177 | 180 | 176 | 171 | 173 | 190 | N/A | 172 | 174 | 220 | 164 | 193 | N/A |
| Avg Points | 8.3 | 8 | 8.1 | 9.2 | 8.2 | 9.0 | 7.6 | N/A | 7.0 | 9.0 | 8.0 | 8.8 | 8.5 | N/A |
| Avg Base | 4.4 | 4 | 4.1 | 4.6 | 3.6 | 4.8 | 3.4 | N/A | 3.6 | 4.1 | 4.6 | 4.1 | 4.6 | N/A |
| Avg Length | 18.7 | 18 | 18.1 | 19.7 | 10.9 | 20.4 | 19.8 | N/A | 14.7 | 17.6 | 21.8 | 20.9 | 21.8 | N/A |
| Avg Spread | 14.8 | 15 | 14.6 | 15.5 | 16.4 | 15.3 | 15.5 | N/A | 12.8 | 14.9 | 16.5 | 16.1 | 16.1 | N/A |

DOE HARVEST HISTORY

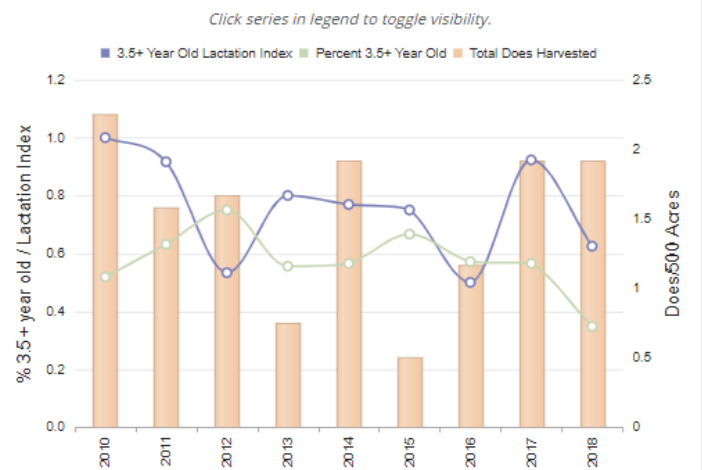
Select start & end years to group columns: Start Select season for regional comparison: 5-Yr Avg

| | Region | Avg | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 | 2011 | 2010 | 2009 | 2008 | 2007 |
|-------------|--------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| Does | 22.9 | 21 | 24 | 24 | 14 | 8 | 24 | 9 | 20 | 19 | 28 | 22 | 23 | 36 |
| Acres/Doe | 160.8 | 327 | 250 | 250 | 428 | 750 | 250 | 666 | 300 | 315 | 214 | 272 | 260 | 166 |
| % .5 Does | 6.4 | 8 | 4 | 4 | N/A | 12 | 4 | N/A | N/A | N/A | 3 | N/A | N/A | 8 |
| # .5 Does | 1.6 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Avg Weight | 63.8 | 56 | 82 | 58 | N/A | 60 | 38 | N/A | N/A | N/A | 55 | N/A | N/A | 54 |
| % 1.5 Does | 17.8 | 23 | 41 | 29 | 21 | 25 | 16 | 22 | 15 | 15 | 25 | 27 | 30 | 25 |
| # 1.5 Does | 4.2 | 5 | 10 | 7 | 3 | 2 | 4 | 2 | 3 | 3 | 7 | 6 | 7 | 9 |
| Avg Weight | 96.2 | 96 | 94 | 92 | 96 | 100 | 96 | 105 | 109 | 91 | 101 | 96 | 95 | 100 |
| % 2.5 Does | 14.6 | 19 | 20 | 12 | 21 | N/A | 25 | 22 | 10 | 21 | 21 | 18 | 8 | 21 |
| # 2.5 Does | 3.5 | 4 | 5 | 3 | 3 | 0 | 6 | 2 | 2 | 4 | 6 | 4 | 2 | 10 |
| Avg Weight | 106.4 | 106 | 105 | 96 | 93 | N/A | 103 | 121 | 119 | 121 | 102 | 102 | 104 | 100 |
| % 3.5+ Does | 55.0 | 51 | 33 | 54 | 57 | 50 | 54 | 55 | 75 | 63 | 50 | 54 | 60 | 38 |
| # 3.5+ Does | 12.7 | 10 | 8 | 13 | 8 | 4 | 13 | 5 | 15 | 12 | 14 | 12 | 14 | 14 |
| Avg Weight | 114.2 | 111 | 107 | 108 | 108 | 122 | 119 | 121 | 118 | 114 | 112 | 103 | 111 | 100 |
| % Lactation | N/A | - | | | | | | | | | | | | |
| 1.5 | 10.8 | 44 | 30 | 0 | 33 | 0 | 0 | 50 | 33 | 66 | 57 | 66 | 42 | 50 |
| 2.5 | 44.0 | 66 | 40 | 33 | 33 | N/A | 83 | 50 | 100 | 75 | 100 | 50 | 0 | 90 |
| 2.5+ | 55.6 | 74 | 53 | 81 | 45 | 75 | 78 | 71 | 58 | 87 | 100 | 56 | 81 | 91 |
| 3.5+ | 58.8 | 79 | 62 | 92 | 50 | 75 | 76 | 80 | 53 | 91 | 100 | 58 | 92 | 90 |

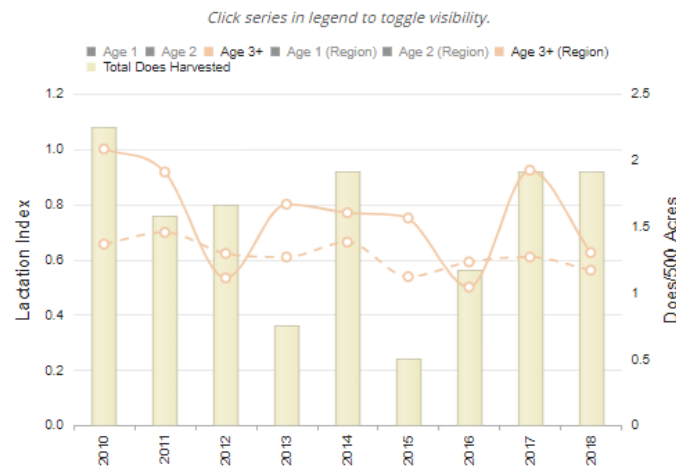
DOE WEIGHTS WITH HARVEST



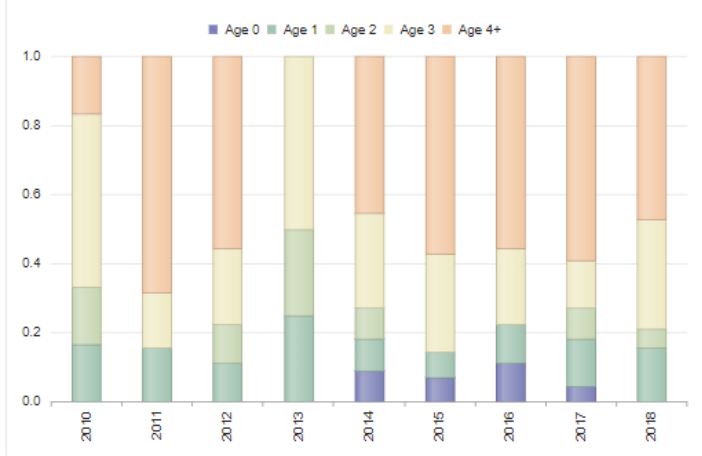
DOE AGE STRUCTURE IN RELATION TO HARVEST AND LACTATION RATES



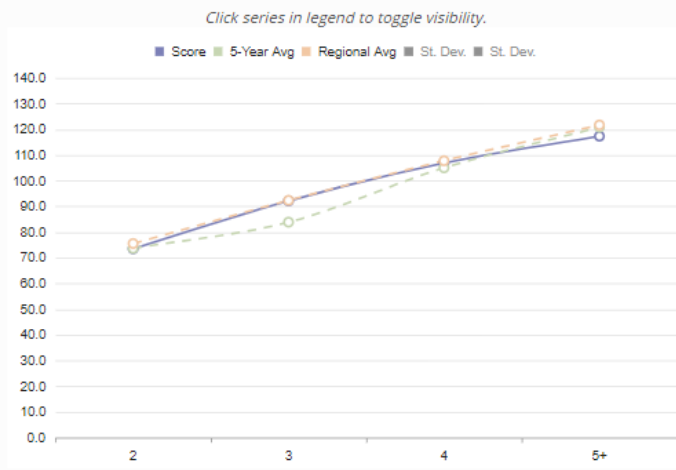
% DOE LACTATION



% BUCKS BY AGE CLASS



B&C SCORE BY AGE



ESTIMATED B&C SCORE

| Estimated Non-typical B&C Score | | | | | | |
|-------------------------------------|------|-----|------------|-------------------|-------------------|-------|
| Show | Age | Num | At Harvest | At Maturity (Min) | At Maturity (Max) | |
| <input checked="" type="checkbox"/> | 2.5 | 1 | 73 4/8 | 102 1/8 | 119 4/8 | Group |
| <input checked="" type="checkbox"/> | 3.5 | 6 | 92 1/8 | 105 7/8 | 117 3/8 | Group |
| <input checked="" type="checkbox"/> | 4.5 | 7 | 106 7/8 | 112 4/8 | 116 7/8 | Group |
| <input checked="" type="checkbox"/> | 5.5+ | 2 | 117 3/8 | 117 3/8 | 117 3/8 | |

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Old Pearl Game Management has done a good job of managing a biologically healthy deer herd over the last 27 years.

Data collection for the 2018-2019 season was excellent.

96% of the doe harvest recommendations were met.

In order to maintain a healthy deer population I would recommend harvesting 25-30 does for the 2019-2020 season (harvest about 1 doe per 222 acres).

94% of bucks harvested were 3.5+ years old with 56% of the bucks harvested being 4.5+ years old. All bucks harvested younger than 2.5 years old were harvested by youth. Your buck harvest results fall in the success category of 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

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