

Landowner or Club Morgan Brake NWR

Co-op#

Season 2012-2013Pg. 1of 2

For Office Use Only	DEER NUMBER	HARVEST DATE		SEX	WEIGHT		MILK PRESENT ?	ANTLER MEASUREMENTS					HOOF SLOUGHING	TAG NUMBER	COMMENTS		
		Month	Day		Live	Dressed		# Points	Circumference		Length					Inside Spread	
									Left	Right	Left	Right					
2	1	11	07	☒ Buck ☐ Doe		80	☒ Yes ☐ No									Ricky Killans	
3	2	12	03	☒ Buck ☐ Doe	110		☒ Yes ☐ No										Abby Murphy
5	3	12	01	☒ Buck ☐ Doe	142		☒ Yes ☐ No										Erk Beck
1	4	12	08	☒ Buck ☐ Doe	100	75	☒ Yes ☐ No										Chase Jones
2	5	10	13	☒ Buck ☐ Doe	100		☒ Yes ☐ No										Drew Baird
1	6	11	24	☒ Buck ☐ Doe		75	☒ Yes ☐ No										Dean McHibben
3	7	12	13	☒ Buck ☐ Doe	126	103	☒ Yes ☐ No										Henry Phillips Jr
1	8	12	12	☒ Buck ☐ Doe	115	89	☒ Yes ☐ No										Scottie Swann
1	9	12	01	☒ Buck ☐ Doe	140	118	☒ Yes ☐ No										Henry Phillips Jr.
2	10	10	01	☒ Buck ☐ Doe	110	85	☒ Yes ☐ No										William Tharp
1	11	10	09	☒ Buck ☐ Doe		75	☒ Yes ☐ No										Bill Leonard
3	12	12	04	☒ Buck ☐ Doe	151		☒ Yes ☐ No	8	4 1/4	4 1/2	20 1/8	20 1/2	18 1/4				Henry Phillips Sr
3	13	12	11	☒ Buck ☐ Doe	175		☒ Yes ☐ No	7	5	5	22	24	19 1/2				Kenny Carpenter
3	14	12	11	☒ Buck ☐ Doe	185		☒ Yes ☐ No	9	5	5	22	21	18				Randall Kice
3	15	12	14	☒ Buck ☐ Doe	162		☒ Yes ☐ No	6	4 1/2	4 1/2	20	20	14				Rick Dillard
3	16	12	13	☒ Buck ☐ Doe	190	168	☒ Yes ☐ No	8	5 1/4	5 1/8	21	20 5/8	16 1/4				Henry Phillips Jr
4	17	12	02	☒ Buck ☐ Doe	200	150	☒ Yes ☐ No	9	4 1/4	4 1/4	22	22	17 3/4		6" droptine		Mark Bellipanni
3	18	10	13	☒ Buck ☐ Doe	170	130	☒ Yes ☐ No	12	5	5	23	25 1/4	16				Atton Cade
4	19	12	02	☒ Buck ☐ Doe	183	140	☒ Yes ☐ No	10	—	—	Broken 16	21	14 1/2				Bradley Snake
2	20	10	21	☒ Buck ☐ Doe	150		☒ Yes ☐ No	7	4	4 1/2	17 1/2	18	15				Brett McCarl

Landowner or Club Morgan Brake NWR

Co-op#

Season 2012-2013

Pg. 2 of 2

Fol. Office Use	DEER NUMBER	HARVEST DATE		SEX	WEIGHT		MILK PRESENT ?	ANTLER MEASUREMENTS					HOOF SLOUGHING	TAG NUMBER	COMMENTS		
		Month	Day		Live	Dressed		# Points	Circumference		Length					Inside Spread	
3	21	12	09	☒ Buck ☐ Doe	215	175	☐ Yes ☐ No	10	4 1/4	5	19	19 1/4	15			Bradley Shake	
2	22	10	13	☒ Buck ☐ Doe	175		☐ Yes ☐ No	5	Cowhorn on one side.					13			Mike Webster
4	23	12	01	☒ Buck ☐ Doe	165		☐ Yes ☐ No	8	4 1/2	4 1/2	21	26 1/2	16			Tony Johnson	
2	24	12	2	☒ Buck ☐ Doe	150		☐ Yes ☐ No	5	3 1/2	3 3/4	15 1/2	11				John Davenport	
3	25	12	01	☒ Buck ☐ Doe	200		☐ Yes ☐ No	8	5	5 1/8	20	20 1/2	19 1/2			Mark Tee	
3	26	12	01	☒ Buck ☐ Doe	256		☐ Yes ☐ No	12	5 1/4	5 1/2	21 1/4	20 9/8	15 1/4			Bradley Shake	
3	27	12	01	☒ Buck ☐ Doe	184		☐ Yes ☐ No	14	4 1/2	4 1/2	23 1/2	23 1/4	19 1/2			Josh Hurst	
				☐ Buck ☐ Doe			☐ Yes ☐ No										
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MISSISSIPPI DEPARTMENT OF WILDLIFE,
FISHERIES, AND PARKS
MISSISSIPPI COOPERATIVE DEER MANAGEMENT ASSISTANCE
PROGRAM



Morgan Brake NWR Checklist for 2012

Data collection and return

Data returned on time

Yes

Jawbones cleaned and dried properly

Yes

Data sheets completed properly

Yes

Data sheets clean and legible

Yes

All jawbones collected and returned

No

Data was in good shape

Thank you!

Harvest Summary

Bucks - Harvested 16- No buck fawns reported. Good job!

Total buck fawns harvested	0 (0%)	2011	2007-2011
Average wt of 1 1/2	<u>0</u>	↔ (0)	↔ (0)
Average wt of 2 1/2	<u>158</u>	↑ (149)	↔ (158)
Average wt of 3 1/2	<u>189</u>	↑ (180)	↑ (182)
Average wt of 4 1/2+	<u>183</u>	↓ (198)	↓ (192)
Average antler index 1 1/2	<u>0</u>	↔ (0)	↔ (0)
Average antler index 2 1/2	<u>54</u>	↑ (49)	↑ (51)
Average antler index 3 1/2	<u>70</u>	↑ (57)	↑ (57)
Average antler index 4 1/2+	<u>65</u>	↑ (64)	↑ (64)

Does - Recommended -40-50 - Harvested 11- Antlerless harvest continues to be less than optimal.

% of harvest does 3 1/2+ yr old	27%	2011	2007-2011
Average wt of 1 1/2	<u>109</u>	↓ (111)	↓ (111)
Average wt of 2 1/2	<u>104</u>	↓ (105)	↓ (114)
Average wt of 3 1/2+	<u>126</u>	↑ (123)	↑ (123)
Lactation of 1 1/2	<u>20</u>	↑ (0)	↑ (0)
Lactation of 2 1/2	<u>67</u>	↔ (67)	↔ (67)
Lactation of 3 1/2+	<u>67</u>	↓ (100)	↓ (100)

2013 - 2014 Harvest Recommendations:

This year's antlerless harvest barley provides enough data to draw accurate inferences from, and I have concerns of whether 11 does on 7,381 acres is a representative sample. Doe body weights are equal to or slightly below the Delta average, but yearling and 2-year old weights are now below average (small sample). Since nutritional stress impacts younger deer first, this supports the need for more intense antlerless harvest. Realistically, a doe per 671 acres does not approach

compensating for the annual fawn crop. The doe age structure appears to be shifted to younger age classes, with 27% of the harvest being 3-years old or older. Obviously, the age structure was impacted by the small sample. Overall, the deer herd on Morgan Brake appears to be in good condition, but, given the current hunting regime, the herd health is not likely to be sustainable. As deer herds exceed carrying capacity, they impact herbaceous plant communities, which then impact other wildlife species. Ideally, harvest should be increased to target taking at least a doe per 150 acres of deer habitat or **45-55 does**. However unlikely this may be, that is my recommendation.

Buck harvest is very sound for a public property. Buck harvest continues to be focused on 3-year old bucks with 62% of the buck harvest being 3-year olds. This harvest strategy is biologically sound and fun, as long as the limitations are realized. The production of large antlered bucks will be limited because very few bucks are making it to 4, 5, and 6 years of age. As long as this limitation is understood, I have no problem with the current harvest. The harvested 2 & 3-year olds had great potential if allowed to reach maturity (Table 9). However, if hunters are pleased with the current buck quality, then continue using the current harvest strategy. If you decide that you want to target larger antlered bucks, please feel free to contact me.

DMAP Harvest Report

Date 8/26/2013

*** MORGAN BRAKE NWR ***
2012 Season

Club Number 'MS-5902'

County = Leflore
Soil Region = Delta
State = MS

Biologist = Lann Wilf

Acres = 7381
Years on DMAP = 3
% Data Collected = 100

Table 1. Harvest Summary

	Number Harvested	Acres/ Deer Harvested
Bucks	16	461
Does	11	671
Totals	27	273

Table 2. Harvest History

	2012	2011	2010	D-WMA 2011	Club Avg
Acres	7381	7381	7381	177119	7381
Total Deer	27	42	25	1235	31
Bucks	16	28	18	558	21
Does	11	14	7	677	11
Acres/Deer	273	176	295	143	236
Bucks	461	264	410	317	357
Does	671	527	1054	262	692

Table 3. Age Distribution

	Bucks		Does	
Age	Num	%	Num	%
0.5	0	0	0	0
1.5	0	0	5	45
2.5	3	19	3	27
3.5	10	62	2	18
4.5	3	19	0	0
5.5	0	0	1	9
6.5	0	0	0	0
7.5	0	0	0	0
8.5+	0	0	0	0
Totals	16		11	

DMAP Harvest Report

Date 8/26/2013

*** MORGAN BRAKE NWR ***

Club Number 'MS-5902'

Table 4. Statistics for Doe Harvest

Age	Number Harvested	Average Live Weight	Percent Lactating
0.5	0	0	0
1.5	5	109	20
2.5	3	104	67
3.5	2	118	50
4.5	0	0	0
5.5	1	142	100
6.5	0	0	0
7.5	0	0	0
8.5+	0	0	0
Totals	11	112	

Table 5. Doe Harvest History

	2012	2011	2010	D-WMA 2011	Club Avg
Does	11	14	7	677	11
Acres/Doe	671	527	1054	262	692
Doe Age-Wgt					
% 0.5	0	14	0	10	6
% 1.5	45	7	0	15	19
% 2.5	27	21	57	19	31
% 3.5+	27	57	43	38	44
Wght 0.5	0	75	0	75	75
Wght 1.5	109	111	0	112	110
Wght 2.5	104	105	122	119	111
Wght 3.5+	126	123	123	127	124
% Lactation					
1.5	20	0	0	7	17
2.5	67	67	67	45	67
2.5+	67	90	33	53	68
3.5+	67	100	0	57	69

DMAP Harvest Report

Date 8/26/2013

*** MORGAN BRAKE NWR ***

Club Number 'MS-5902'

Table 6. Statistics for Yearling Bucks

	Number	Percent	Avg. Live Weight	Average Points
	-----	-----	-----	-----
Spikes	0	0	0	0.0
Forks	0	0	0	0.0
	-----	-----	-----	-----
Totals	0			

Table 7. Buck Statistics

Age	Live Weight		Points		Base		Length		Spread	
	Num	Avg	Num	Avg	Num	Avg	Num	Avg	Num	Avg
0.5	0	0	0	0.0	0	0.0	0	0	0	0.0
1.5	0	0	0	0.0	0	0.0	0	0	0	0.0
2.5	3	158	3	5.7	3	3.9	3	16.6	3	13.0
3.5	10	189	10	9.4	10	4.9	10	21.3	10	17.1
4.5	3	183	3	9.0	3	4.4	3	20.4	3	16.1
5.5	0	0	0	0.0	0	0.0	0	0	0	0.0
6.5	0	0	0	0.0	0	0.0	0	0	0	0.0
7.5	0	0	0	0.0	0	0.0	0	0	0	0.0
8.5+	0	0	0	0.0	0	0.0	0	0	0	0.0

DMAP Harvest Report

Date 8/26/2013

*** MORGAN BRAKE NWR ***

Club Number 'MS-5902'

Table 8. Buck Harvest History (All Bucks)

	2012	2011	2010	D-WMA 2011	Club Avg
Bucks	16	20	18	558	18
Acres/Buck	461	369	410	317	410
% .5 Bucks	0	0	11	2.51	3.7
# .5 Bucks	0	0	2	14	0.67
Avg Weight	0	0	67	79	67
% 1.5 Bucks	0	0	0	16	0
# 1.5 Bucks	0	0	0	91	0
% Spikes	0	0	0	57	0
Avg Weight	0	0	0	135	0
Avg Points	0.0	0.0	0.0	3	0
Avg Base	0.0	0.0	0.0	2.3	0.0
Avg Length	0	0	0	6.9	0.0
Avg Spread	0.0	0.0	0.0	6.5	0.0
% 2.5 Bucks	19	35	22	19	25.9
# 2.5 Bucks	3	7	4	105	4.7
Avg Weight	158	149	166	166	156
Avg Points	5.7	7.4	8.0	7	7
Avg Base	3.9	3.4	3.6	3.5	3.6
Avg Length	16.6	14.9	15.8	15.5	15.4
Avg Spread	13.0	13.3	13.4	13.1	13.3
% 3.5 Bucks	62	45	39	23.5	48
# 3.5 Bucks	10	9	7	131	9
Avg Weight	189	180	184	190	185
Avg Points	9.4	8.1	8.3	8	9
Avg Base	4.9	4.3	4.1	4.1	4.5
Avg Length	21.3	16.6	18.1	18.1	18.8
Avg Spread	17.1	14.9	13.2	15.1	15.3
% 4.5+ Bucks	19	20	28	18	22.2
# 4.5+ Bucks	3	4	5	100	4
Avg Weight	183	199	185	214	189
Avg Points	9.0	9.3	7.4	8	8
Avg Base	4.4	4.5	4.4	4.6	4.4
Avg Length	20.4	20	20	20.2	20.1
Avg Spread	16.1	15.8	15.4	16.9	15.8

DMAP Harvest Report

Date 8/26/2013

*** MORGAN BRAKE NWR ***

Club Number 'MS-5902'

Table 9. Estimated B&C Score

Age	Num	Estimated Non-typical B&C Score	Estimated Non-typical B&C Score at Maturity Minimum	Estimated Non-typical B&C Score at Maturity Maximum
2.5	3	93 1/8	120 7/8	151 3/8
3.5	10	135 2/8	148 6/8	172 3/8
4.5	3	125 7/8	128 4/8	137 5/8
5.5+	0	NA	NA	NA

Table 10. Top Five Bucks

Rank	Estimated Non-typical B&C Score for Morgan Brake NWR		2011 Estimated Non-typical B&C Score for Delta	
	Score	Age	Score	Age
1	158 0/8	3.5	184 2/8	4.5
2	151 3/8	3.5	169 3/8	4.5
3	143 1/8	3.5	163 0/8	3.5
4	137 5/8	3.5	162 4/8	5.5
5	137 3/8	3.5	156 5/8	4.5

Report prepared by Lann Wilf

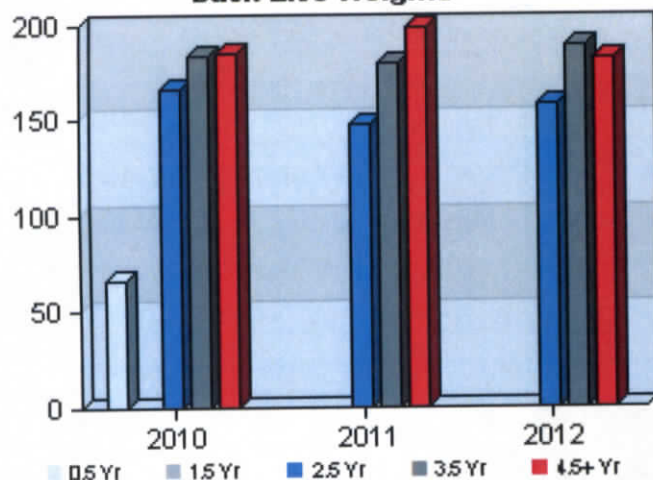
DMAP Harvest Report

Date 8/26/2013

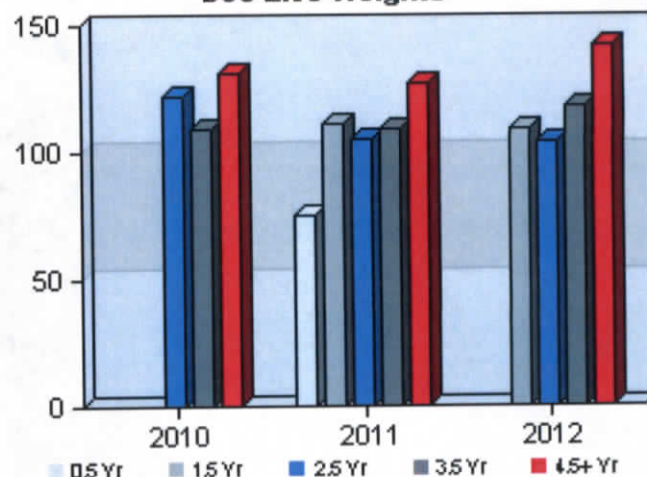
*** MORGAN BRAKE NWR ***

Club Number 'MS-5902'

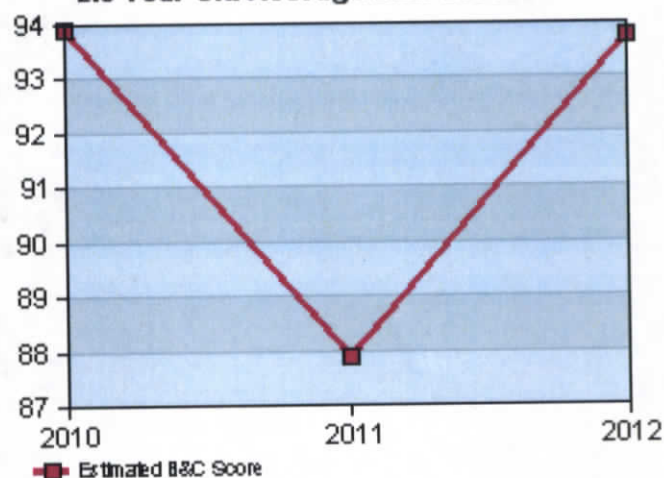
Buck Live Weights



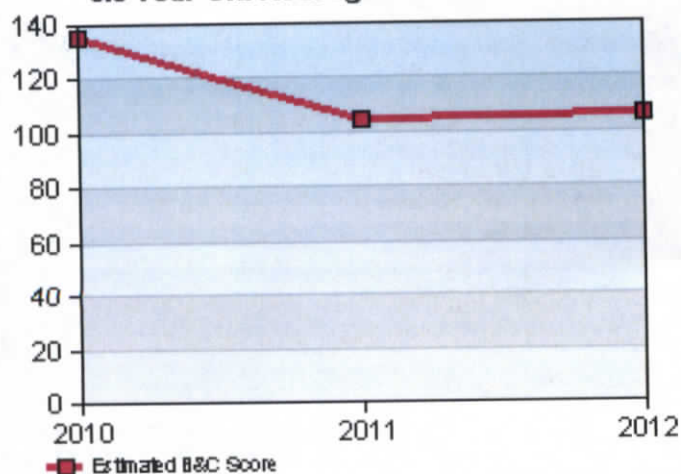
Doe Live Weights



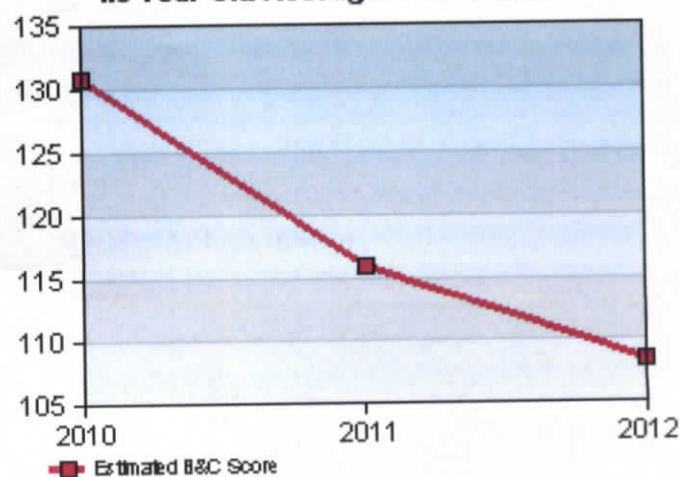
2.5 Year Old Average B&C Scores



3.5 Year Old Average B&C Scores



4.5 Year Old Average B&C Scores

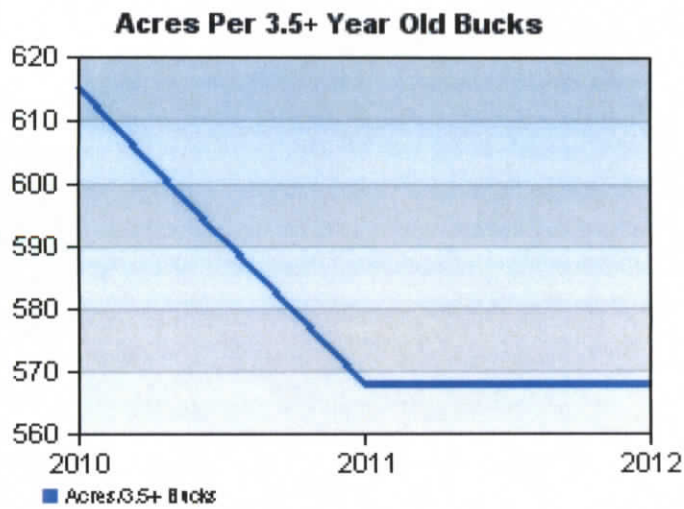
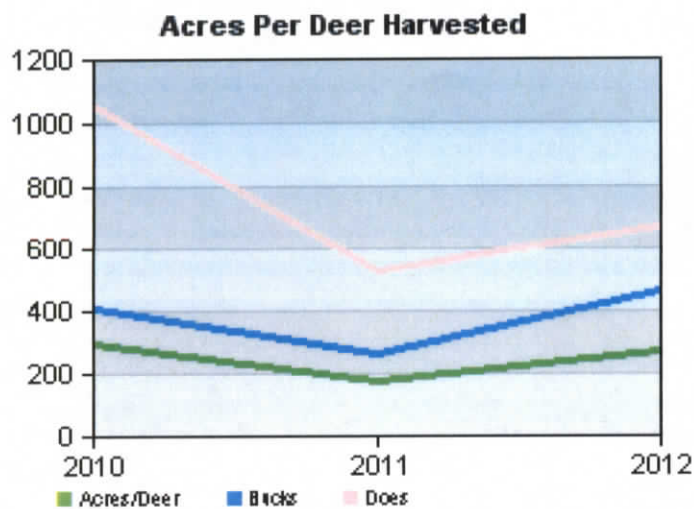
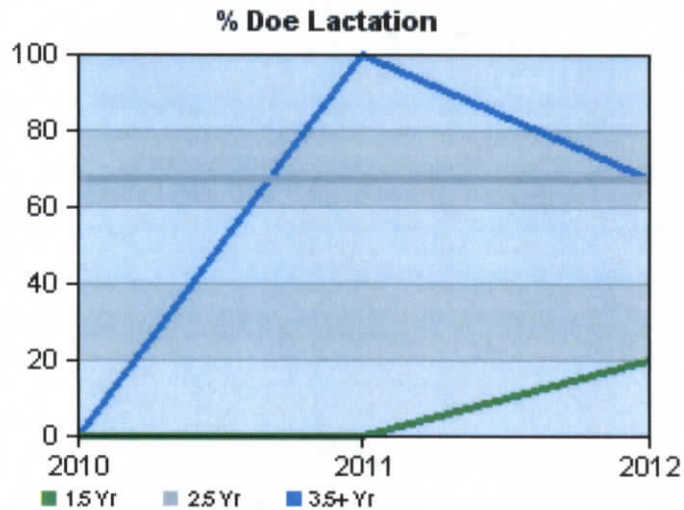
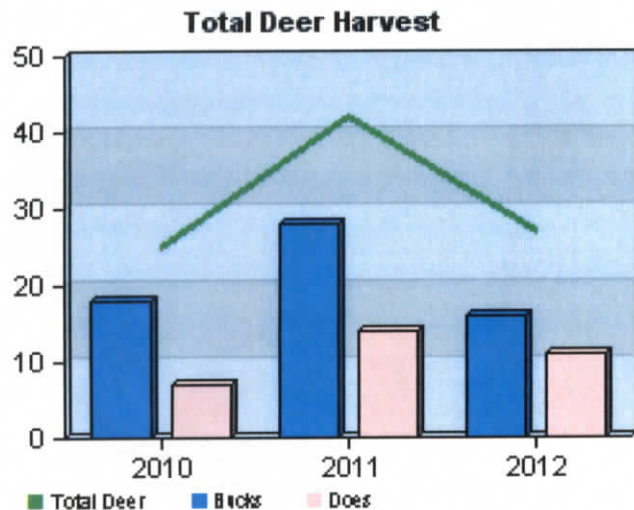
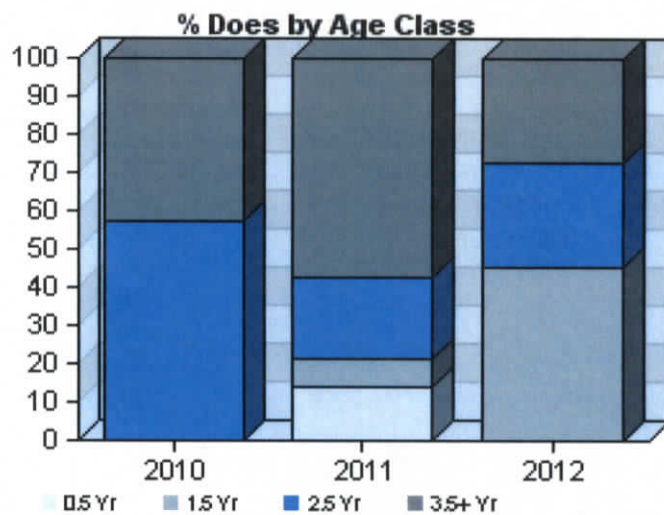
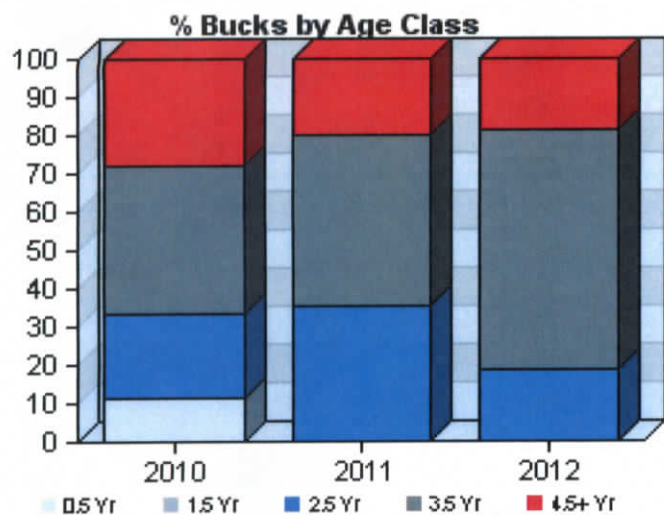


DMAP Harvest Report

Date 8/26/2013

*** MORGAN BRAKE NWR ***

Club Number 'MS-5902'



DMAP Harvest Report

Date 8/26/2013

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Club Number 'MS-5902'

Harvest Recommendations

Year	Doe	Buck	Obj.*	Spread	Beam	Buck Tags	Doe Tags
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2012	-	-	1	-	-	-	-
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Criteria:

Instructions:

2011	-	-	1	-	-	-	-
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2010	-	-	1	-	-	-	-
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1. Harvest as many legal bucks as possible.
2. Harvest fewer but larger-antlered bucks.
3. Harvest a limited number of trophy bucks.