

Louisiana Annual Deer Report 2012-2013 LDWF Wildlife Division

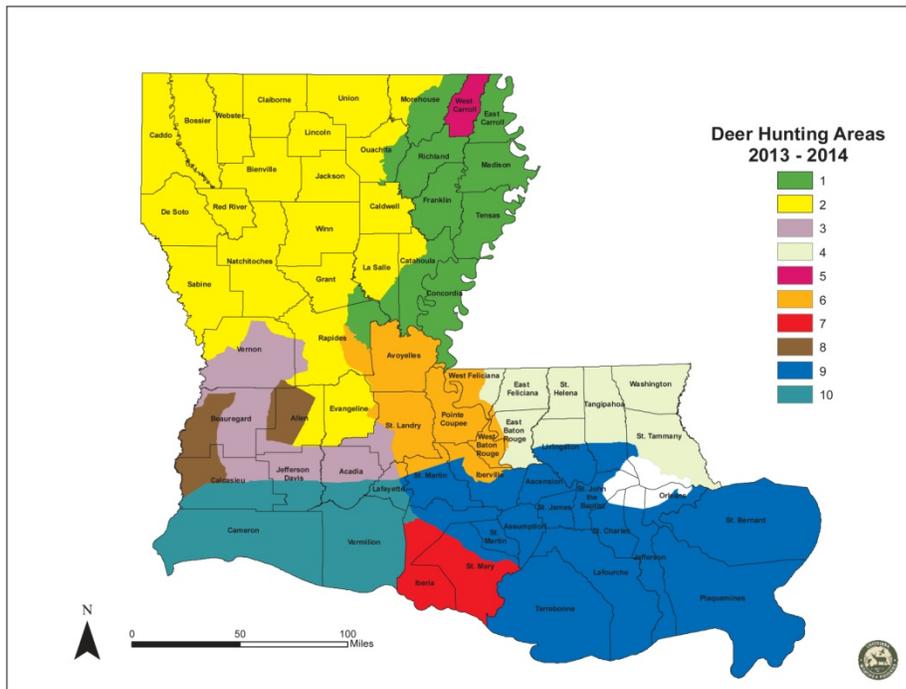
Introduction

The Louisiana deer program is administered by the Office of Wildlife and implemented through 6 field offices where wildlife biologists and technicians perform year round research and management activities on public and private lands. For the 2013-14 hunting season the state will now be divided into 10 deer management areas (DMAs, Figure 1).

Seasons are set according to general breeding periods, habitat productivity, and landscape features. For the 2013-14 seasons, Louisiana will have a statewide limit of 2 antlered, 1 either sex, and 3 antlerless deer per year. Antlerless deer may be taken during the entire season in DMAs 1, 2, 3, 6, and 8. In DMAs 4, 5, 7, 9, and 10, antlerless deer hunting will only be allowed on designated days. All deer must be tagged prior to being moved from the harvest site.

All deer must be reported through the phone or internet system, a wildlife management area (WMA) worker, or the Deer Management Assistance Program (DMAP). This harvest information along with other data is used to develop deer seasons and regulations.

Figure 1. Louisiana Deer Management Areas, 2013-14.



Harvest

Once again, portions of the state experienced flooding due to Hurricane Isaac. The hunting season was modified in the severely flooded areas around Lake Maurepas, and in Plaquemines and St. Bernard parishes after Hurricane Isaac made landfall in late August. In those areas, the season was reduced and female harvest opportunity was tightly restricted due to a severe fawn crop loss.

Relatively mild weather and warm temperatures in late winter did not help Area 1 or 6 hunters where deer movement was likely reduced.

Last year's recruitment was likely poor, due to the 2011 record setting drought, followed by 2012's spring and early summer drought. This is a critical period when late fetal development and/or lactation are creating high nutritional demands for females. Low fawning rates or survival reduce recruitment, which is critical for sustaining populations. Dry conditions to severe droughts as defined by the Palmer Drought Index, have been documented in Louisiana for years 2006, 2009, 2011, and 2012.

Additionally, dry summers are especially thought to increase the prevalence of hemorrhagic disease, our most significant deer disease and non-hunting source of mortality. A record number of anecdotal reports of hemorrhagic disease (EHD or BTV) indicated a substantial loss of deer to this disease last year.

Hunters less than 60 years old, again hunted fewer days (-13.6%) in 2012-13.

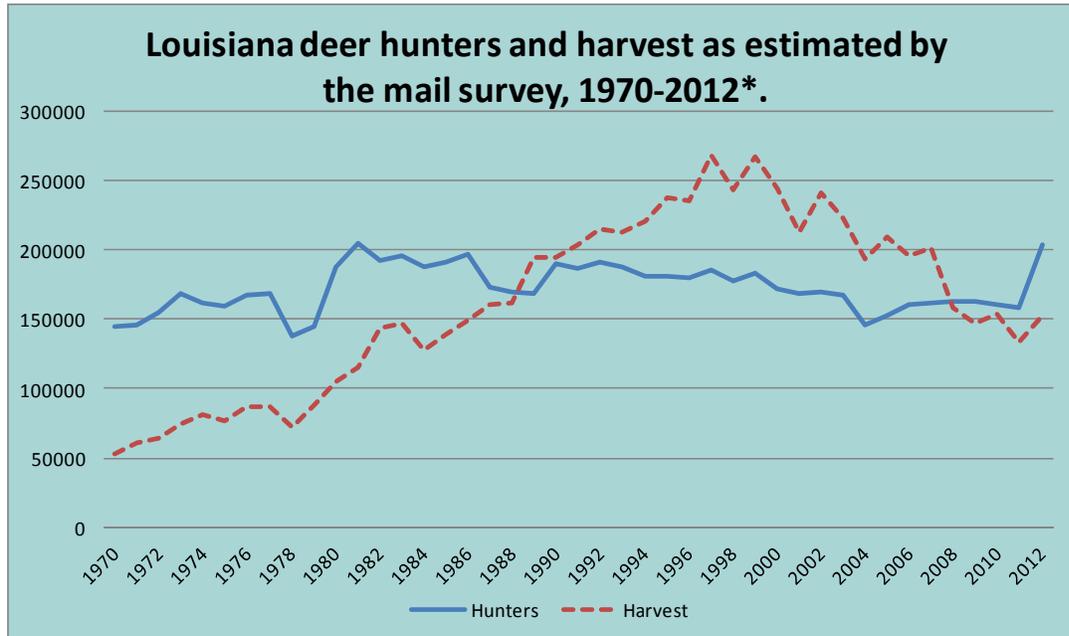
More intensive pine forest management practices of the last decade have also impacted the landscape as reduced carrying capacities continue to be observed in some pine dominant areas.

Hogs continue to be a primary concern. Recent research shows that deer and hogs do not mix and that deer can be displaced by hogs. Research has shown that deer detection rates can be up to 49% less where hogs occur. Hog populations affect deer numbers through direct competition for food resources. Hogs carry infectious diseases such as Leptospirosis, brucellosis, and pseudo-rabies. Wildlife veterinarians are studying the impacts of these diseases on wildlife species. The mail survey hog harvest estimate (including seniors) was 161,600, and higher than the deer harvest estimate. Excluding seniors, it was 124,500, and another increase of 27% over last year. There is little doubt that feral hogs are impacting deer densities in Louisiana at this time.

Mail survey

Until this year, a 6% sample of licensed hunters between the ages of 16 and 59 have received a harvest survey by mail. Participants return the survey and statistics are compiled. For the 2012-13 season, senior hunters have been added to the survey since they have become such a large component of deer hunters (33.2%). The mail survey index for hunters and harvest (including seniors) for the 2012/13 season is 203,930 and 152,700 respectively (Figure 1).

Figure 2. Mail survey estimate of Louisiana deer hunters and deer harvested, 1970-2012.



***= 2012 mail survey estimates for hunters and harvest include senior hunters (hunters >60) for the first time.**

For comparison purposes the traditional survey estimates (without seniors) are 148,800 hunters and 100,600 deer harvested continuing the downward trend in harvest for hunters <60 years old. The hunter number index has been relatively stable the last few years. The harvest sex ratio according to the mail survey was 57% male, 43% female. The number of days hunters (excluding seniors) took to the woods was down again 13.6%.

The harvest allocation by weapon type (Table 1) reveals that modern weapons are still by far the most popular method for harvesting deer in Louisiana. The cross bow harvest nearly doubled.

Weapon	Harvest	%
modern gun	125,700	82%
primitive	15,400	10%
bow	8,600	6%
crossbow	3,000	2%
Totals	152,700	

Internet/phone reporting results/total reported harvests

This year was the fifth year of mandatory tagging and reporting of deer through the system. The reporting system tallied 46,814 deer. The total harvest including WMA managed hunts and DMAP lands was 63,278 (Table 2). It is important for hunters to report their deer, so complete data are available for future deer management decisions. There were 259,824 sets of deer tags issued in 2012-13, but not all of these were deer hunters. The sex ratio of the deer reported taken on non-DMAP private and public lands was 58.5% male and 41.5% female.

A summary of the reported non-DMAP private and public lands combined, WMA managed hunts, and DMAP totals are presented by parish in Appendix 1. The top 20 total harvest parishes are presented in Table 3. The top 20 harvest parishes by forested acres per deer are presented in Table 4.

Table 2. Summary of harvest reporting by category, 2008-2012.

Year	Private	Public	WMA managed	DMAP	Total
2008/09	87,237	8,481	2,877	17,976	116,571
2009/10	78,444	9,035	2,335	17,641	107,455
2010/11	74,346	9,742	3,004	17,740	104,832
2011/12	53,860	5,596	2,526	14,396	76,378
2012/13	46,814*		2,425	14,039	63,278
*=combined public and private					

Table 3. Top 20 harvest parishes in Louisiana derived from the reporting system through April 18, 2013.

Parish	Harvest	Parish	Harvest
Union	3306	St. Landry	1713
Vernon	2791	Iberville	1684
Bienville	2778	Jackson	1662
Claiborne	2545	Rapides	1657
Tensas	2113	Avoyelles	1595
Webster	2005	Madison	1498
Bossier	1953	Beauregard	1355
Winn	1872	E. Feliciana	1312
Natchitoches	1866	DeSoto	1292
W. Feliciana	1781	Sabine	1258

Table 4. Top 20 harvest parishes by forested acreage derived from the new reporting system through April 18, 2013.

Parish	Acres/deer	Parish	Acres/deer
E. Carroll	36	Franklin	142
Tensas	54	Webster	143
Madison	70	Union	145
W. Baton Rouge	78	Iberville	153
W. Feliciana	91	E. Feliciana	156
St. Landry	98	Morehouse	157
Richland	115	Bienville	163
Avoyelles	123	W. Carroll	167
Point Coupee	126	Claiborne	171
Concordia	136	Bossier	187

Mail survey vs. reporting system harvest-

The mail survey index is much higher than the reporting system harvest (Table 5). Since the mail survey is a single mailing, there is the potential to bias the index. The mail survey index is best used to monitor trends over time and not as an absolute count. The new reporting system count is low due to less than 100% participation. It is possible that, due to a number of reasons, the statewide harvest from the reporting system will continue to be lower than the mail survey index.

Table 5. Reporting system total vs. the mail survey harvest index, 2007-2013.

Year	Reporting system (all sources*)		Mail survey harvest index	Difference	
2007/08	na		201,000		
2008/09	116,571	na	158,300	-21%	26%
2009/10	107,455	-8%	147,300	-7%	27%
2010/11	104,832	-2%	153,500	4%	32%
2011/12	76,378	-27%	133,000	-13%	43%
2012/13	63,278	-17%	152,700**	15%	57%

*= DMAP, WMA managed hunts, public and private reporting system total
 **= mail survey includes senior hunters for the first time

Wildlife Management Areas-

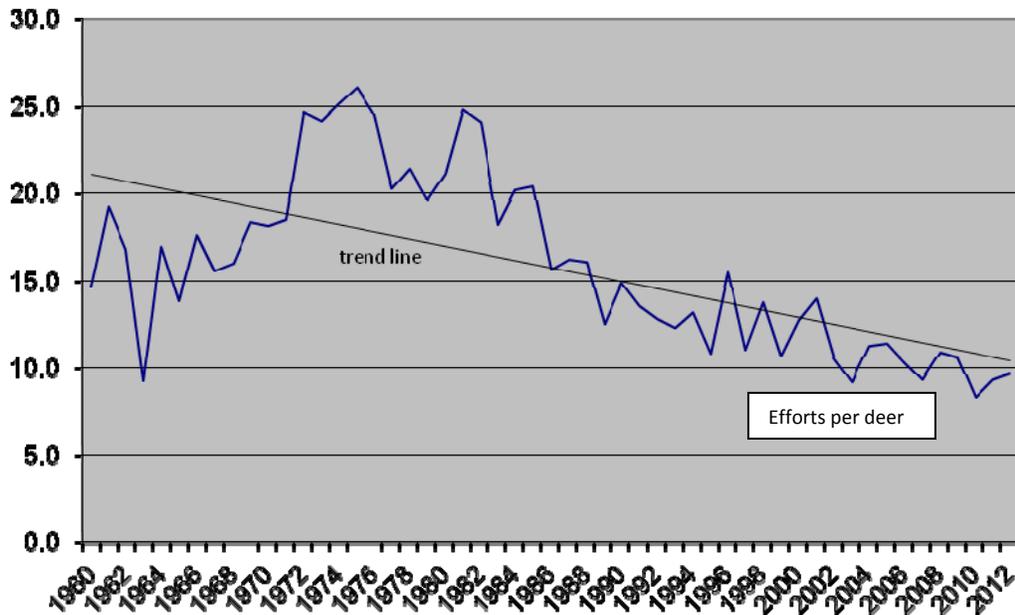
The Department manages over 1,000,000 acres that provide deer hunting opportunity. Modern firearm, primitive firearm, and archery either -sex hunts are the primary methods for keeping deer numbers in balance with the habitat. Youth and handicapped hunts are also available on many areas.

Bucks only seasons provide extended hunting opportunity and generally are held near or during rut. Harvest rates are variable on the WMAs according to deer physiographic region, habitat conditions, and hunter efforts. In some years WMA harvest rates equal or surpass intensively managed DMAP properties. On some WMAs, harvest rates are low due to habitat type, forest conditions, accessibility issues, or other management objectives. In general, WMA deer herds are managed in a way that helps insure long term forest regeneration, diversity, sustainability, and high deer quality. WMAs are not managed for maximum residual numbers, but rather maximum sustained harvest and recreational opportunity, which means deer herds at or below maximum biological carrying capacity.

Conditions were good for managed hunts this year. Excellent 1.5 old male weights and adult female lactation rates were observed on several bottomland WMAs. The recorded harvest for either-sex managed hunts was 2,416 deer on the WMAs this year (Table 6). Data were captured for a few more deer at other times (Appendix 1). Managed either-sex hunts had an average hunter success rate of 9.7 efforts per deer (Figure 3). The sex ratio of the managed either-sex hunt harvest was 50% male, 50% female. The total recorded WMA harvest, including self clearing data (SCD) was 5,067 deer (-5%). The known sex ratio for the total recorded WMA harvest, including SCD, was 57% male, 43% female.

WMA	Hunter efforts	Total harvest	Bucks	Does	Efforts per deer
Loggy Bayou	305	72	40	32	4.2
Jackson Bienville (19-20 Nov)	455	101	60	41	4.5
Tunica Hills	299	18	7	11	16.6
Sandy Hollow	180	1	1	0	180.0
Maurepas Swamp	212	5	5	0	42.4
Joyce	31	0	0	0	#DIV/0!
Pearl River	369	5	2	3	73.8
Attakapas	282	18	3	15	15.7
Attakapas (3-5 Dec)	no hunt				
Grassy Lake	755	85	27	58	8.9
Pomme de Terre	489	43	14	29	11.4
Sherburne	1,221	103	54	49	11.9
Sherburne (4-5 Dec)	no hunt				
Spring Bayou	490	32	5	27	15.3
Thistlewaite (1-2 Dec)	514	20	11	9	25.7
Thistlewaite	614	38	20	18	16.2
Peason Ridge (Oct 27-28)	405	44	28	16	9.2
Peason Ridge	887	59	40	19	15.0
Clear Creek(Oct 27-28)	702	122	66	56	5.8
Clear Creek	702	58	32	26	12.1
West Bay (Oct 27-28)	713	93	51	42	7.7
West Bay	548	24	8	16	22.8
Fort Polk	2,021	199	89	110	10.2
Fort Polk (Oct 27-28)	1,125	250	130	120	4.5
Union (Oct 27-28)	351	66	35	31	5.3
Ouachita	246	32	13	19	7.7
Bayou Macon (10-11 Nov)	172	18	7	11	9.6
Russel Sage	548	39	22	17	14.1
Boeuf	1,238	195	112	83	6.3
Red/Three Rivers	3,715	263	114	149	14.1
Buckhorn	347	51	26	25	6.8
Big Lake	784	81	36	45	9.7
Sicity Island	273	28	16	12	9.8
Sabine (20-21 Oct)	214	10	5	5	21.4
Alexander State Forest (13-14 Oct)	125	13	7	6	9.6
Alexander State Forest (3-4 Nov)	152	8	3	5	19.0
Dewey Wills (10-11 Dec)	861	98	44	54	8.8
Camp Beauregard (23-24 Nov)	678	101	53	48	6.7
Camp Beauregard (8-9 Dec)	426	23	13	10	18.5
	23,449	2,416	1,199	1,217	9.7
2011 Managed Either Sex Deer Hunts	22,144	2,378	-0.21		9.3
2010 Managed Either Sex Deer Hunts	24,925	3,019	0.16		8.3
2009 Managed Either Sex Deer Hunts	27,643	2,603	0.01		10.6
2008 Managed Either Sex Deer Hunts	28,363	2,589	-0.16		11.0
2007 Managed Either Sex Deer Hunts	28,813	3,094	-0.04		9.3
1= Thanksgiving hunts unless otherwise noted					

Figure 3. WMA managed hunt effort per deer harvested, 1960-2012.



Hunter success and harvest vary, sometimes substantially, from year to year. The long term trend for WMA hunter success illustrates fewer efforts needed to harvest a deer. Additionally, many exceptional deer were harvested on the WMAs.

DMAP

DMAP continues to be the most important source of biological information LDWF can attain on private lands, and we encourage hunters and managers to continue their participation in this program. Efforts to increase site visits and other services to these participants have been initiated. Technical assistance is available to anyone that requests it and we encourage hunters to collect herd health data including jaw bones, antler measurements, weights and lactation data, whether in a program or not. Providing these data to the Department greatly increases our ability to monitor deer and habitat conditions across the state and to monitor trends in deer quality and productivity. In 2012-13, there were 439 clubs with 1,161,755 acres enrolled in DMAP Tiers 1 and 2 in which cooperators provided full harvest data to the Department (Figure 4). An additional 295 clubs at 492,237 acres were enrolled in DMAP Tier 3 in which only total harvest by sex was received. For the 2012/13 season, the total program harvest was 14,039 deer, with a harvest rate of 1 deer per 117 acres. The DMAP harvest sex ratio was 39% bucks and 61% does, the same as last year. During the past 10 years, the DMAP upland hardwood habitat type has recorded the highest avg. deer kill per acre (Table 7). Deer habitat type (Figure 5) and DMAP enrollment by habitat type is shown on Table 8.

Figure 4. DMAP clubs by Tier level, 1981-2012.

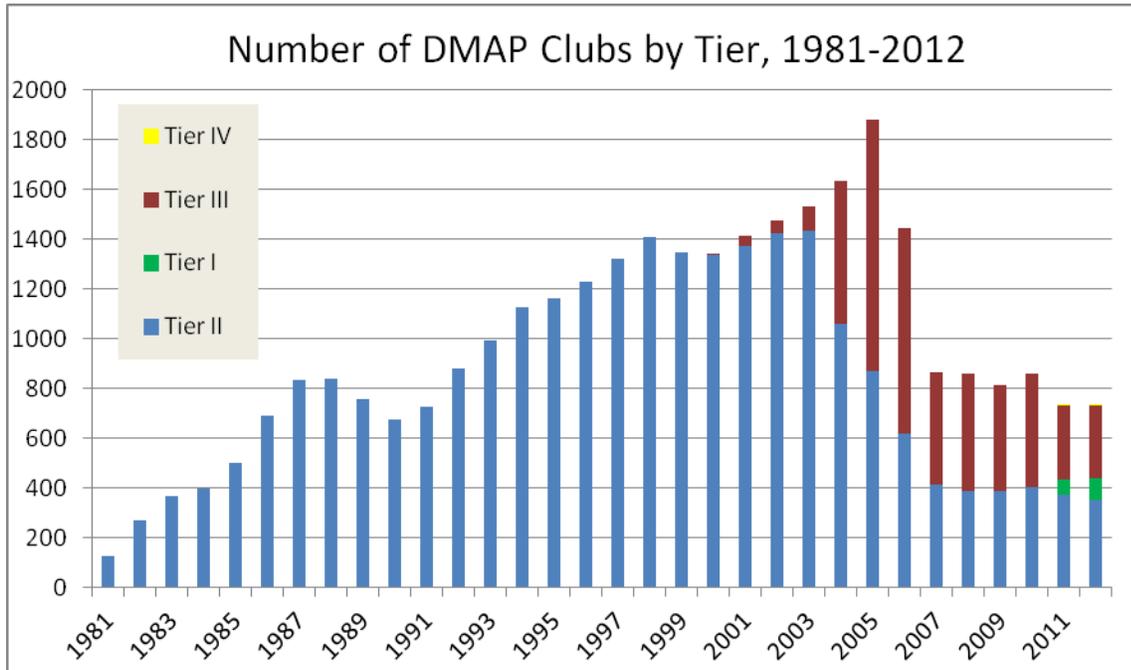


Table 7. Acres per deer harvested by habitat type on DMAP lands, 2012-13.

Habitat Type	2012-13	10-yr Av.	% Difference
Upland Hardwood	52	52	0%
Bottomland Hardwood	98	77	-11%
NW Pine/Hardwood	117	103	-9%
SE Pine/Hardwood	214	114	-47%
Historic Longleaf	224	171	-24%
Swamp Hardwood	291	150	-48%
Longleaf Flatwoods	218	157	-28%
Coastal Marsh	277	205	-26%
Coastal Prairie	1118	659	-41%

Figure 5. Louisiana deer habitat types.



Table 8. Louisiana deer habitat types and proportional DMAP enrollment, 2012-13.

Habitat Type	State wide Deer Habitat	% Habitat	Tiers 1&2 Acres	% Habitat	Tiers 3&4 Acres	% Habitat	Total DMAP Acres	% Habitat
Bottomland Hrdw.	4,250,000	25%	534,167	13%	164,300	4%	698,467	16%
NW Pine/Hrdw.	3,060,000	18%	172,909	6%	183,061	6%	355,970	12%
Hist. Longleaf	2,890,000	17%	122,514	4%	120,139	4%	242,653	8%
Coastal Marsh	2,380,000	14%	101,289	4%	16,834	1%	118,123	5%
Coastal Prairie	1,360,000	8%	2,236	0%	6,060	0%	8,296	1%
Swamp Hrdw.	1,020,000	6%	30,215	3%	1,366	0%	31,581	3%
SE Pine/Hrdw.	850,000	5%	160,186	19%	547	0%	160,733	19%
Longleaf Fltwds.	850,000	5%	10,920	1%	0	0%	10,920	1%
Upland Hrdw.	170,000	1%	27,319	16%	0	0%	27,319	16%
LOUISIANA	17,000,000	100%	1,161,755	7%	492,307	3%	1,654,062	10%

Big Game Records

The Louisiana Big Game Record's annual recognition list (Table 9) included 61 entries for 2012-13. Anecdotal reports and internet sites also continue to report more big deer being harvested. Each year, LDWF and other certified measurers score antlers for hunters. Minimum entries are posted on the LDWF website.

Table 9. Louisiana Big Game Records annual recognition list, 2012-2013.

Note: All of these deer have been officially scored by state measurers.

Hunter	Score	Category	Weapon	Date	Parish
Travis Lucas	175 6/8	typical	cross-bow	12/16/2012	Avoyelles
Carey Boone	169	typical	gun	12/5/2012	Concordia
Cody Bergeron	160 5/8	typical	gun	1/8/2012	Tensas
Thomas Smith	154 7/8	typical	gun	11/14/2006	Sabine
Josh Gandy	154 3/8	typical	gun	11/7/2012	Webster
Wyman Gagnard	153 6/8	typical	gun	12/23/2012	Avoyelles
James Landry	152 5/8	typical	gun	1/7/2013	Pointe Coupee
Eric Durke	151 2/8	typical	gun	11/14/2012	Natchitoches
Donny Eames	150 3/8	typical	muzzleloader	1/7/2013	Tensas
Bill Cheek	149 5/8	typical	gun	1/11/2013	Rapides
Wyman Gagnard	148 5/8	typical	gun	12/27/2012	Avoyelles
Thomas Smith	148 1/8	typical	gun	11/23/2007	Sabine
Wayne Curole	147 5/8	typical	gun	11/4/2012	Union
Bill Burns	147	typical	gun	1/10/2013	Catahoula
Jeffrey Leblanc	146 5/8	typical	gun	1/26/2013	Avoyelles
Brent Roy	146 1/8	typical	bow	10/28/2012	East Baton Rouge
Jeanaro Scott	144 3/8	typical	gun	11/18/2012	West Feliciana
Greg Ikerd	144 3/8	typical	muzzleloader	11/7/2012	Webster
Marty Lucas	143 1/8	typical	bow	11/29/2012	Avoyelles
Trenton Lemoine	142 5/8	typical	gun	1/5/2013	WBR
Gerald Ducote	142 4/8	typical	gun	12/27/2011	St. Landry
Jeffrey Serrett	139 5/8	typical	gun	12/14/2011	St. Helena
Paul Rougeau	139 2/8	typical	gun	12/30/2012	East Feliciana
Bill Burns	137	typical	gun	1/2/2011	Catahoula
Dylan Quebadeaux	136 7/8	typical	gun	11/12/2012	Allen
Gary Longley	135 4/8	typical	gun	1/14/2013	Iberville
Eugene Brody	135 2/8	typical	gun	12/11/2013	St. John
Ricky Powell	135 1/8	typical	gun	11/30/2012	Avoyelles
Kurt Danos	134 4/8	typical	gun	1/30/2013	West Feliciana
Albert Dugas	134 1/8	typical	bow	1/18/2013	Avoyelles
Mark Howard	133 4/8	typical	gun	12/18/2012	Avoyelles

Clint Levert	133 2/8	typical	gun	1/20/2013	East Feliciana
Thomas LaSalle	132	typical	gun	1/20/2013	West Feliciana
Rob Noel	131 6/8	typical	bow	1/14/2013	Avoyelles
Daniel Loup	130 7/8	typical	bow	1/5/2013	Avoyelles
Bryan DuFrene	130 3/8	typical	gun	12/23/2012	St. Tammany
Tammy Lemoine	127 6/8	typical	bow	11/17/2012	Avoyelles
Lee Corbin	126 5/8	typical	bow	12/22/2012	Tensas
David Saale	124 7/8	typical	cross-bow	1/13/2013	West Feliciana
Shawn Allen	124 3/4	typical	bow	1/5/2012	Tensas
Chad Daigle	124	typical	bow	1/27/2013	Avoyelles
Darren Boudreaux	123 7/8	typical	bow	1/5/2013	West Feliciana
Richard Dugas	123 2/8	typical	bow	1/23/2013	Avoyelles
Marcus Trosclair	122 1/8	typical	bow	1/7/2013	Madison
Danny Barzare	121 6/8	typical	bow	12/12/2012	Madison
Richard Dugas	120 6/8	typical	bow	12/21/2012	Avoyelles
Herbert Edwards	118 7/8	typical	bow	11/21/2012	East Feliciana
Michael Guillory	115 5/8	typical	bow	10/5/2012	East Feliciana
Bill Corbin	114 6/8	typical	muzzleloader	1/26/2013	Tensas
Steve Ramsey	112	typical	cross-bow	12/13/2010	Webster
Meghan Odom	104 2/8	typical	bow	10/14/2012	West Feliciana
Vicki Husted	227 6/8*	non-typical	bow	10/4/2010	Tensas
Road kill (B. Lanoux)	183 5/8	non-typical	road kill	12/19/2011	Iberville
Kendall Haywood	181 5/8	non-typical	gun	1/1/2013	Catahoula
Richard Caldwell	179 6/8	non-typical	cross-bow	1/24/2012	Madison
Travis Fields	169 6/8	non-typical	gun	1/11/2013	Lafourche
Don Brevelle	168 7/8	non-typical	gun	1/28/2013	Avoyelles
Mark Amons	167 2/8	non-typical	gun		Rapides
Ritney Chapmond	150	non-typical	bow	11/28/2012	Ouachita
Michelle Rayburn	147 1/8	non-typical	gun	11/18/2012	Rapides
Heather White	145 3/8	non-typical	bow	10/7/2012	West Feliciana

*= deer measured in velvet

Disease

Disease monitoring is administered by the LDWF wildlife veterinarians and accomplished through necropsy of sick or dead individuals when observed by Department personnel or when reported by the public. Herd health collections and managed hunts provide additional data and sampling opportunity. Biological samples are sent to the Southeastern Cooperative Wildlife Disease Study (SCWDS) at the University of Georgia, or to LSU's School of Veterinary Medicine for diagnostic testing.

During the 2012-2013 biological year, a significant Hemorrhagic Disease outbreak occurred within Louisiana and across the nation. One hundred eighty-two anecdotal and confirmed reports of Epizootic Hemorrhagic Disease (EHDV)-affected deer came from across the state with the south-central and southeastern river parishes being the most severely impacted. A new virus, Epizootic Hemorrhagic Disease Virus- 6 was isolated as the cause of most of these deer fatalities. Additionally, at some check stations, one of every four deer exhibited classic hoof lesions associated with EHDV exposure.

A disease investigation into possible Leptospirosis-caused abortions in white-tailed deer was initiated to evaluate the possibility that feral swine are transmitting this disease to deer resulting in abortions and reduced fawn recruitment.

Eighty three samples were submitted for serological analysis of exposure to various diseases as part of the LDWF herd health monitoring program. These samples are used to evaluate the health status of the Louisiana deer herd.

Additionally, 18 samples were collected from "target" white-tailed deer for Chronic Wasting Disease analysis at SCWDS. No samples tested positive. This brings the total number of wild white-tailed deer tested in Louisiana to 7,640 animals since the inception of the program in 2002.

Appendix

Appendix 1. 2012-13 deer harvest by parish as recorded through the LDWF reporting system, April 18, 2013.

Parish	People per Sq Mi ¹	Acres ¹ Land area	Forested land	Forested ² acres	Combined reporting	WMA managed	DMAP	Total	Acres per deer harv.	Forested acre per deer harv. ³
Acadia	90	419379	0.24	100532	98	0	4	102	4112	986
Allen	33	489280	0.70	343916	799	93	104	996	491	345
Ascension	262	186560	0.48	88660	115	1	20	136	1372	652
Assumption	69	216768	0.52	112409	261	0	34	295	735	381
Avoyelles	50	532736	0.37	196104	910	133	552	1595	334	123
Beauregard	28	742464	0.80	592461	1065	0	290	1355	548	437
Bienville	19	518810	0.87	451470	1747	95	936	2778	187	163
Bossier	117	537152	0.68	365219	1535	70	348	1953	275	187
Caddo	286	564480	0.56	313620	924	0	47	971	581	323
Calcasieu	171	685504	0.39	270336	326	0	22	348	1970	777
Caldwell	20	338816	0.76	256017	875	171	108	1154	294	222
Cameron	8	840320	0.00	0	75	0	7	82	10248	0
Catahoula	16	450368	0.41	183159	618	18	153	789	571	232
Claiborne	22	483008	0.90	435693	2154	0	391	2545	190	171
Concordia	29	445376	0.38	170753	537	252	467	1256	355	136
DeSoto	29	561408	0.78	437109	1136	0	156	1292	435	338
E. Baton Rouge	907	291456	0.41	120883	369	0	194	563	518	215
E. Carroll	22	269696	0.13	34026	271	17	650	938	288	36
E. Feliciana	47	290176	0.70	204297	892	0	420	1312	221	156
Evangeline	53	425152	0.49	209704	803	0	57	860	494	244
Franklin	34	399104	0.27	108819	448	23	296	767	520	142
Grant	29	412864	0.84	346030	936	124	96	1156	357	299
Iberia	127	368064	0.28	101286	365	0	110	475	775	213
Iberville	54	395904	0.65	257875	838	75	771	1684	235	153
Jackson	27	364608	0.86	314611	1532	0	130	1662	219	189

Jeff. Davis	48	417472	0.14	58574	171	0	5	176	2372	333
Jefferson	1484	196160	0.11	21181	96	0	0	96	2043	0
La Salle	23	399232	0.86	341475	701	77	26	804	497	425
Lafayette	706	172672	0.13	22492	5	0	0	5	34534	4498
Lafourche	83	694208	0.15	104618	391	0	249	640	1085	0
Lincoln	90	301696	0.78	234787	1012	0	48	1060	285	221
Livingston	142	414720	0.76	316643	649	0	32	681	609	465
Madison	22	399424	0.26	105549	754	23	721	1498	267	70
Morehouse	39	508352	0.36	180565	1035	0	118	1153	441	157
Natchitoches	31	803520	0.70	559577	1622	0	244	1866	431	300
Orleans	2684	115558	0.00	0	7	0	0	7	16508	0
Ouachita	241	390739	0.64	249628	779	62	181	1022	382	244
Plaquemines	32	540544	0.03	13902	21	0	0	21	25740	0
Point Coupee	41	356672	0.40	141702	637	8	482	1127	316	126
Rapides	96	846400	0.66	562213	1477	20	160	1657	511	339
Red River	25	249152	0.55	137864	465	0	54	519	480	266
Richland	38	357440	0.23	80838	560	0	146	706	506	115
Sabine	27	553792	0.80	445625	1179	10	69	1258	440	354
St. Bernard	145	297600	0.11	31374	22	0	0	22	13527	0
St. Charles	169	181504	0.22	39884	78	0	0	78	2327	511
St. Helena	26	262,000	0.79	206615	516	0	300	816	321	253
St. James	86	157504	0.47	73254	135	1	118	254	620	288
St. John	197	140096	0.46	64132	64	1	0	65	2155	987
St. Landry	94	594368	0.28	167290	1282	140	291	1713	347	98
St. Martin	66	473536	0.63	296426	634	0	316	950	498	312
St. Mary	87	392192	0.33	131208	690	122	74	886	443	0
St. Tammany	224	546688	0.63	346369	378	5	50	433	1263	800
Tangipahoa	127	505728	0.60	305468	491	1	50	542	933	564
Tensas	11	385600	0.30	113863	787	99	1227	2113	182	54
Terrebonne	83	803136	0.16	129697	355	0	46	401	2003	0
Union	26	561664	0.85	478170	2484	70	752	3306	170	145
Vermilion	46	751232	0.10	77283	52	0	11	63	11924	0

Vernon	40	850176	0.90	767517	2041	641	109	2791	305	275
W. Baton Rouge	113	122368	0.48	58788	305	0	450	755	162	78
W. Carroll	34	230016	0.19	44517	251	0	16	267	861	167
W. Feliciana	37	259840	0.63	162679	1095	73	613	1781	146	91
Washington	66	428544	0.70	301547	805	0	0	805	532	375
Webster	70	380928	0.75	286922	1776	0	229	2005	190	143
Winn	18	608320	0.90	546508	1383	0	489	1872	325	292
Totals		27764669	0.51	14221733	46814	2425	14039	63278	439	225

1= <http://quickfacts.census.gov/qfd/states/22000.html>

2= USDA, Forest Inventory mapmaker, 2007

3= coastal marsh and some prairie parishes excluded from this index. Some agriculture parishes may be biased high.

Additional deer added to WMA managed column where complete harvest data was received by hunters. At Tunica Hills WMA, deer which would have been reported through the system were subtracted in the parish that the WMA is listed under to avoid double counting.

Tunica Hills WMA- 54 deer

