

*Non-Resident Hunter Effort & Game Harvest Estimates
for the 2005-2006 Mississippi Hunting Season*

Prepared for the

**DIVISION OF WILDLIFE
MISSISSIPPI DEPARTMENT OF WILDLIFE, FISHERIES & PARKS
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INTRODUCTION

The primary purpose of the Mississippi non-resident hunter survey is to establish annual statewide and district estimates of hunter effort and harvest for each game species. These estimates provide trend data which allows Mississippi Department of Wildlife, Fisheries and Parks (MDWFP) Wildlife Division staff to monitor changes in harvest and effort through time. The secondary purpose is to measure non-resident hunters' participation patterns, attitudes towards hunting and wildlife, and opinions towards agency programs and wildlife management tools. When interpreting this data, it is important to consider current wildlife management programs, habitat changes and availability, land use practices, species abundance, and the social and economic climate of the state.

Since 1994, a self-administered mail survey has been used to obtain total harvest, average daily kill, average seasonal harvest, and total man-days hunted for each game species by non-residents. The estimates obtained for each of these categories are precise because of the large sample size used, however, because mail surveys contain sampling, response, and nonresponse biases the accuracy of the estimates are always of concern to researchers (Filion 1980). Nevertheless, similar methodologies used to conduct the mail survey over time help to hold constant these biases and the estimates derived from the survey should provide adequate estimates for monitoring trends in hunter harvest and effort.

The primary objective of the mail survey for the 2005-06 hunting season was to obtain a reliable set of statewide non-resident effort and harvest estimates for each game species in Mississippi. The secondary objective was to provide district estimates. The third objective was to obtain demographic information from non-respondents. No effort was made to interpret the data presented here. The purpose of this publication is to compile existing information for future reference and to help guide future management decisions.

METHODS

The sampling frame for the survey consisted of holders of any non-resident hunting license (Types 40, 41, 42, 43, and 44) purchased during the 2005-2006 license year. A random sample of 4,000 license holders was selected to participate in this study from the 31,563 non-resident licenses processed from July 1, 2005 – June 30, 2006.

The survey process followed the Total Design Method (TDM) prescribed by Dillman (1978). This methodology pays particular attention to detail, persistence, and takes a personal approach to obtaining a response. This is accomplished, in part, by using personalized letters and envelopes processed with laser printers to simulate a first class mailing to differentiate it from “junk mail”. The TDM uses a series of four mail-outs to help increase response rate: 1) An introductory letter, questionnaire (APPENDIX A), and postage-paid business reply envelope (i.e., a complete packet) were sent; 2) Ten days after the second mailing a post card that was sent to all hunters in the survey. The purpose of the post card was to remind hunters about the survey and to thank those whom had already returned a completed questionnaire. A phone number was provided on the post card in case the recipient had not received or misplaced their questionnaire, so they could request another be sent; 3) Twenty-one days after the postcard mailing, a second complete packet was sent to all hunters who had not yet responded, and 4) Twenty-eight days after the second complete packet was sent, a third complete mailing was sent to all hunters who had not yet responded. Actual correspondence can be found in APPENDIX B. All surveys were numbered using a bar coding system printed on clear adhesive labels. When surveys were returned to Mississippi State University, the bar codes were scanned into a computer file and assigned with a “returned” status; this prevented respondents from receiving another mailing.

Data entry involved entering data from the surveys into the computer using a Microsoft Access data entry screen that had been previously developed. First, non-numeric responses in the survey were numerically coded for preparation for data entry. After all responses were converted into a numeric framework, responses from the surveys were data entered. The responses to the

last question of the survey, which was open-ended, were typed into an MS Access file so comments could be queried by agency staff.

Effort and harvest estimates and their standard errors for each species were calculated for total kill, average seasonal kill per hunter, proportion of licensed hunters, total licensed hunters, proportion of hunters who were successful, total man-days spent hunting, average days field per hunter, and the average daily kill. These estimates were calculated both on a statewide and district basis. Calculations were based on statistical programs originally developed by Steffen (1981) for mainframe computing, modified as necessary for desktop computing using SAS software.

RESULTS

A total of 4,000 questionnaires were mailed to nonresident hunters. There were a total of 1,995 useable questionnaires returned by hunters. Useable questionnaires included those who indicated they hunted at least one species one or more days during the 2005-06 season (n=1,806), and those who indicated they “DID NOT HUNT” on their returned survey (n=189). Since harvest estimates are extrapolated to all hunter license holders, those who indicated they did not hunt were included in the database as hunting zero days and harvesting zero animals for each species. Questionnaires were checked for the completeness of responses where it was found that seven individuals indicated their refusal to participate and two individuals were reported as being deceased. When non-deliverables (n=344) were excluded from consideration, an effective response rate of 54.7 % was obtained.

Statewide expansions were calculated based on the 31,563 non-resident hunting licenses sold and accounted for by June 30, 2006. There were 31,563 individuals licensed to hunt small game and 22,637 of these license holders also were eligible to pursue big game (deer and turkey) in Mississippi during the 2005-2006 hunting season.

The expanded statewide summaries of the non-resident total harvest, average daily kill, average seasonal harvest, percent of successful hunters, total man-days, average days hunted in

the season, total number of hunters, and percent of total licenses that hunted are provided in Table 1 for all game species included in the survey. Table 2 provides the expanded statewide estimates of total harvest and the variability of these (standard error and 95 percent confidence limits) for all game species surveyed.

Tables 3-8 summarize non-resident small game hunting on a statewide and district basis. Waterfowl hunting is summarized in Tables 9-13. Tables 14-17 summarize fox (red and gray), bobcat and coyote hunting. Statewide and district summaries of deer (buck and doe data from archery, primitive weapon, and gun seasons) and turkey hunting (spring and fall) are provided in Tables 18-26. Table 27 summarizes district and statewide estimates for feral hog. Tables 28-33 summarize non-resident demographic characteristics.

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TABLE 1. EXPANDED STATEWIDE COVERAGE OF THE 2005-06 MISSISSIPPI NONRESIDENT MAIL SURVEY OF GAME HARVEST BASED ON 31,563 SMALL GAME LICENSE HOLDERS AND 22,637 BIG GAME LICENSE HOLDERS.

SPECIES	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MAN-DAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF TOTAL LICENCES (A)
DOVE	71,630	8.24	23.44	94.8	8,423	2.85	3,057	9.7
QUAIL	4,973	3.66	20.93	80.0	1,315	5.93	238	0.8
WOODCOCK	253	0.42	4.00	100.00	491	15.50	63	0.2
RABBIT	16,375	3.22	13.96	90.54	4,166	3.97	1,172	3.7
SQUIRREL	43,330	2.97	13.89	92.39	13,406	4.57	3,120	9.9
RACCOON	3,753	0.72	8.45	75.00	3,738	11.80	317	1.0
TOTAL DUCK	131,383	2.61	18.52	91.98	42,031	7.10	5,923	18.8
MALLARD	69,587	1.38	9.76	84.22	-	-	-	-
WOOD DUCK	15,077	0.30	2.11	45.99	-	-	-	-
OTHER DUCKS	46,719	0.94	6.65	73.53	-	-	-	-
GEESE	6,842	0.68	4.39	81.16	7,016	6.42	1,093	3.5
RED FOX	16	1.00	1.00	100.00	16	1.00	16	0.1
GRAY FOX	32	0.20	1.00	100.00	158	5.00	32	0.1
BOBCAT	396	0.18	1.04	86.96	1,383	5.44	364	1.2
COYOTE	744	0.29	1.39	84.85	1,420	4.94	523	1.7
TOTAL DEER	28,260	0.08	1.53	69.20	286,647	16.11	18,520	81.8
BUCK	13,489	0.04	0.73	49.39	-	-	-	-
DOE	14,771	0.04	0.80	47.66	-	-	-	-
ARCHERY DEER	3,236	0.05	0.71	44.52	39,512	9.80	4,534	20.0
BUCK	913	0.01	0.20	15.90	-	-	-	-
DOE	2,323	0.04	0.51	36.75	-	-	-	-
PRIMITIVE DEER	4,294	0.08	0.74	52.47	37,367	7.27	5,831	25.8
BUCK	1,714	0.03	0.29	26.10	-	-	-	-
DOE	2,579	0.05	0.44	35.99	-	-	-	-
GUN DEER	20,731	0.09	1.23	68.34	200,931	12.53	16,902	74.7
BUCK	10,862	0.04	0.64	47.96	-	-	-	-
DOE	9,869	0.04	0.58	41.52	-	-	-	-
TOTAL TURKEY	2,243	0.07	0.58	41.08	25,742	6.98	3,860	17.1
SPRING 2006	2,131	0.08	0.58	41.99	24,479	9.92	3,701	16.3
FALL 2005	112	0.04	0.44	25.00	1,235	5.50	256	1.1
HOG	2,328	0.21	2.13	68.12	8,165	8.69	1,093	3.5

(A) DEER AND TURKEY PERCENTAGES BASED ON BIG GAME LICENSE HOLDERS; ALL OTHERS BASED ON SMALL GAME LICENSE HOLDERS.

TABLE 2. EXPANDED STATEWIDE ESTIMATES OF TOTAL HARVEST (AND VARIABILITY OF THE ESTIMATES) FOR NONRESIDENTS FOR ALL GAME SPECIES IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

SPECIES	TOTAL HARVEST	STANDARD ERROR		95% CONFIDENCE INTERVAL	
		SE	AS % OF TOTAL (A)	LOWER LIMIT	UPPER LIMIT
DOVE	71,630	7,104	9.9	57,422	85,839
QUAIL	4,973	1,791	36.0	1,391	8,555
WOODCOCK	253	169	66.8	-85	591
RABBIT	16,375	5,255	32.1	5,866	26,885
SQUIRREL	43,330	4,589	10.6	34,151	52,509
RACCOON	3,753	1,412	37.6	930	6,577
TOTAL DUCKS	131,383	8,088	6.2	115,207	147,560
MALLARD	69,587	4,620	6.6	60,347	78,828
WOOD DUCK	15,077	1,242	8.2	12,593	17,560
OTHER DUCKS	46,719	3,306	7.1	40,107	53,331
GEESE	6,842	1,090	15.9	4,661	9,022
RED FOX	16	16	100.0	-16	48
GRAY FOX	32	22	68.8	-13	76
BOBCAT	396	91	23.0	215	577
COYOTE	744	208	28.0	329	1,160
TOTAL DEER	28,260	926	3.3	26,409	30,111
BUCK	13,489	519	3.8	12,452	14,527
DOE	14,771	599	4.1	13,572	15,970
ARCHERY DEER	3,236	330	10.2	2,575	3,897
BUCK	913	146	16.0	622	1,205
DOE	2,323	249	10.7	1,824	2,822
PRIMITIVE DEER	4,294	334	7.8	3,625	4,962
BUCK	1,714	181	10.6	1,353	2,075
DOE	2,579	232	9.0	2,116	3,042
GUN DEER	20,731	693	3.3	19,344	22,117
BUCK	10,862	439	4.0	9,984	11,740
DOE	9,869	445	4.5	8,978	10,759
TOTAL TURKEY	2,243	242	10.8	1,759	2,727
SPRING 2006	2,131	229	10.7	1672	2,589
FALL 2005	112	62	55.4	-12	236
HOG	2,328	698	30.0	931	3,725

(A) %=100(SE/TOTAL HARVEST)

TABLE 3. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF DOVE HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE (SE) N	6,595 1,796.99 1,986	8.62 0.81 23	17.29 3.21 24	100.0 0.00 24	749 191.26 1,980	2.04 0.31 23	381 77.41 186	12.9 2.47 186
2	ESTIMATE (SE) N	35,123 5,559.52 1,986	9.82 0.51 82	26.63 3.11 83	95.8 2.37 83	3,555 484.01 1,980	2.72 0.24 82	1,319 141.77 186	44.6 3.66 186
3	ESTIMATE (SE) N	15,766 2,951.51 1,986	9.04 1.13 40	24.20 2.59 41	95.1 3.41 41	1,722 359.42 1,980	2.70 0.38 40	652 100.73 186	22.0 3.05 186
4	ESTIMATE (SE) N	1,430 780.06 1,986	6.92 1.92 4	22.50 5.68 4	100.0 0.00 4	207 115.99 1,980	3.25 0.95 4	64 31.76 186	2.5 1.07 186
5	ESTIMATE (SE) N	9,567 2,731.17 1,986	5.79 0.71 24	22.30 4.82 27	100.0 0.00 27	1,387 406.26 1,980	3.63 0.78 24	429 82.04 186	14.5 2.59 186
6	ESTIMATE (SE) N	1,414 694.57 1,986	3.42 1.17 7	12.71 4.1 7	71.4 18.44 7	414.46 202.73 1,980	3.71 1.25 7	111 41.98 186	3.8 1.40 186
STATEWIDE	ESTIMATE (SE) N	71,630 7,104.36 1,993	8.24 0.48 186	23.44 1.69 193	94.8 1.60 193	8,423 815.33 1,986	2.85 0.19 186	3,057 209.14 1,993	9.7 0.66 1,993

TABLE 4. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF QUAIL HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE (SE) N	1,346 841.42 1,993	10.63 2.72 3	17.30 3.21 24	100.0 0.00 3	127 74.28 1,992	2.67 0.33 3	48 27.42 15	20.0 10.69 15
2	ESTIMATE (SE) N	808 653.08 1,993	0.93 0.39 4	10.20 7.68 5	60.0 24.50 5	697 502.94 1,992	11.00 6.61 4	79 35.38 15	33.3 12.60 15
3	ESTIMATE (SE) N	0 0.00 1,993	0.00 - 1	0.00 - 1	0.0 - 1	16 15.84 1,992	1.00 - 1	16 15.84 15	6.7 6.67 15
4	ESTIMATE (SE) N	887 658.19 1,993	11.20 6.53 3	18.67 10.67 3	100.0 0.00 3	079 47.51 1,992	1.67 0.33 3	48 27.42 15	20.0 10.69 15
5	ESTIMATE (SE) N	1,805 1,278.07 1,993	6.00 3.79 2	57.00 3.00 2	100.0 0.00 2	301.05 257.91 1,992	9.50 6.50 2	32 22.39 15	13.3 9.09 15
6	ESTIMATE (SE) N	127 126.70 1,993	1.33 - 1	8.00 - 1	1000 - 1	95 95.07 1,992	6.00 - 1	16 15.84 15	6.7 6.67 15
STATEWIDE	ESTIMATE (SE) N	4,973 1,791.11 1,993	3.66 1.30 14	20.93 5.46 15	80.0 10.69 15	1,315 579.63 1,992	5.93 2.16 14	238 61.12 1,993	0.8 0.20 1,993

TABLE 5. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF WOODCOCK HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	0	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	-
2	ESTIMATE	206	0.42	6.50	100.0	491	15.50	32	66.7
	(SE)	165.40	0.17	3.50	0.00	475.84	14.50	22.40	33.33
3	ESTIMATE	0	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	-
4	ESTIMATE	0	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	-
5	ESTIMATE	32	-	2.00	100.0	0	-	16	33.3
	(SE)	31.69	-	-	-	0.00	-	15.85	33.33
6	ESTIMATE	0	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	-
STATEWIDE	ESTIMATE	253	0.42	4.00	100.0	491	15.50	63	0.2
	(SE)	169.04	0.17	2.04	0.00	475.84	14.50	31.65	0.10
		1,993	2	4	4	1,991	2	1,993	1,993

TABLE 6. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF RABBIT HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	2,117	4.43	19.00	85.7	478	4.29	111	10.9
	(SE)	1,528.07	2.03	12.63	14.29	238.28	1.51	42.05	3.93
2	ESTIMATE	3,231	4.41	6.50	84.6	733	3.54	207	20.3
	(SE)	2,257.29	1.98	3.50	10.42	301.09	1.12	57.22	5.07
3	ESTIMATE	6,271	5.64	78.80	80.0	924	14.50	80	7.81
	(SE)	4,330.33	0.31	46.37	20.00	720.22	10.01	335.56	3.4
4	ESTIMATE	1,983	4	5	5	1,981	4	64	64
	(SE)	16	0.07	0.33	33.3	239	5.00	48	4.69
5	ESTIMATE	1,983	3	3	3	1,981	3	64	64
	(SE)	2,499	1.56	4.59	97.1	1,561	2.97	541	53.13
6	ESTIMATE	271	3.40	8.50	100.0	80	2.50	32	3.1
	(SE)	194.24	0.08	1.50	0.00	57.43	0.50	22.50	2.19
STATEWIDE	ESTIMATE	16,375	3.22	13.96	90.5	4,166	3.97	1,172	3.7
	(SE)	5,254.73	0.71	4.22	3.43	937.63	0.76	133.72	0.42
	N	1,993	66	74	74	1,985	66	1,993	1,993

TABLE 7. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF SQUIRREL HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	1,422	1.89	6.85	92.3	754	3.62	208	7.3
	(SE)	538.06	0.40	1.84	7.69	335.09	1.31	57.45	1.95
2	ESTIMATE	1,975	13	13	13	1,967	13	179	179
	(SE)	1,678	3.57	8.75	100.0	449	3.54	192	6.7
3	ESTIMATE	593.70	0.42	1.88	0.00	153.62	1.12	55.21	1.88
	(SE)	1,975	11	12	12	1,967	13	179	179
4	ESTIMATE	5,226	3.72	21.80	86.7	1,412	5.87	240	8.34
	(SE)	2,007.34	0.44	6.43	9.09	572.45	1.90	61.66	2.08
5	ESTIMATE	1,975	15	15	15	1,967	15	179	179
	(SE)	2,285	2.47	13.00	90.9	883	6.11	176	6.1
6	ESTIMATE	1,062.35	0.69	4.83	9.09	396.89	1.96	52.87	1.80
	(SE)	1,975	9	11	11	1,967	9	179	179
STATEWIDE	ESTIMATE	27,040	2.99	13.65	92.0	8,665	4.50	1,982	69.3
	(SE)	3,281.57	0.26	1.16	2.46	1,048.29	0.37	172.33	3.46
STATEWIDE	ESTIMATE	1,975	120	124	124	1,967	120	179	179
	(SE)	703	3.80	11.00	100.0	160	3.33	64	2.2
STATEWIDE	ESTIMATE	431.02	1.90	4.51	0.00	93.52	0.33	31.94	1.11
	(SE)	1,975	3	4	4	1,967	3	179	179
STATEWIDE	ESTIMATE	43,330	2.97	13.89	92.4	13,406	4.57	3,120	9.9
	(SE)	4,589.44	0.19	1.13	1.90	1,361.38	0.34	211.06	0.7
STATEWIDE	ESTIMATE	1,993	184	197	197	1,980	184	1,993	1,993
	(SE)	1,993	184	197	197	1,980	184	1,993	1,993

TABLE 8. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF RACCOON HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	2,711	0.80	22.20	100.0	2,204	27.80	79	27.8
	(SE)	1,371.62	0.20	8.46	0.00	1,435.01	14.74	35.41	10.86
2	ESTIMATE	143	0.82	4.50	50.0	174	5.50	31.71	11.1
	(SE)	142.68	0.74	4.50	50.00	123.78	0.50	22.41	7.62
3	ESTIMATE	190	0.41	4.00	66.7	460	9.67	48	16.7
	(SE)	161.65	0.16	3.06	33.33	314.18	4.33	27.44	9.04
4	ESTIMATE	0	0.00	0.00	0.0	32	2.00	16	5.6
	(SE)	0.00	-	-	-	31.71	-	15.85	5.56
5	ESTIMATE	333	0.58	4.20	80.0	571	7.20	79	27.8
	(SE)	199.81	0.18	1.88	20.00	360.67	3.60	35.41	10.86
6	ESTIMATE	285	0.93	7.00	100.0	238	7.50	32	11.11
	(SE)	170.66	0.43	1.00	0.00	196.07	4.50	22.41	7.62
STATEWIDE	ESTIMATE	3,753	0.72	8.45	75.0	3,738	11.80	317	1.0
	(SE)	1,411.78	0.11	2.77	9.93	1,529.45	4.16	70.49	0.22
		N	20	20	20	1,993	20	1,993	1,993

TABLE 9. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF ALL DUCK HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	3,764	2.62	11.94	87.5	1,164	4.56	255	4.4
	(SE)	1,297.58	0.27	3.74	8.54	439.88	1.34	63.56	1.09
2	ESTIMATE	1,979	16	16	16	1,979	16	360	360
	(SE)	48,549	2.45	20.55	92.6	18,022	8.37	2,153	37.5
3	ESTIMATE	5,319.07	0.18	1.66	2.26	2,136.68	0.71	178.92	2.56
	(SE)	1,979	135	135	135	1,979	135	360	360
4	ESTIMATE	51,770	2.88	18.33	94.0	16,858	6.37	2,648	46.1
	(SE)	5,257.62	0.14	1.39	1.85	1,862.64	0.52	196.73	2.63
5	ESTIMATE	1,979	166	166	166	1,979	166	360	360
	(SE)	1,021	1.52	5.50	75.0	463	3.63	128	2.2
6	ESTIMATE	480.69	0.57	2.19	16.37	195.76	0.91	45.03	0.78
	(SE)	1,979	8	8	8	1,979	8	360	360
STATEWIDE	ESTIMATE	9,872	2.38	18.61	90.9	4,115	7.82	526	9.2
	(SE)	2,228.02	0.26	2.80	5.08	928.62	1.15	90.88	1.52
STATEWIDE	ESTIMATE	1,979	33	33	33	1,979	33	360	360
	(SE)	111	1.17	3.50	50.0	96	3.00	32	0.6
STATEWIDE	ESTIMATE	11,64	1.56	3.50	50.00	71.31	1.00	22.55	0.40
	(SE)	1,979	2	2	2	1,979	2	360	360
STATEWIDE	ESTIMATE	131,383	2.61	18.52	92.0	42,031	7.10	5,923	18.8
	(SE)	8,088.26	0.10	0.94	1.41	2,957.87	0.37	276.11	0.87
STATEWIDE	ESTIMATE	1,993	374	374	374	1,993	374	1,993	1,993
	(SE)								

TABLE 10. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF MALLARD HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

MALLARDS

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS
1	ESTIMATE	1,898	1.41	6.44	68.8
	(SE)	776.61	0.24	2.57	11.97
2	N	1,979	16	16	16
	ESTIMATE	27,448	1.37	11.50	88.1
	(SE)	3,158.95	0.11	1.03	2.79
	N	1,979	135	135	135
3	ESTIMATE	27,384	1.50	9.57	88.0
	(SE)	2,990.47	0.08	0.84	2.53
	N	1,979	166	166	166
	ESTIMATE	367	0.52	1.88	62.5
4	(SE)	178.17	0.18	0.77	18.30
	N	1,979	8	8	8
5	ESTIMATE	4,083	0.99	7.76	69.7
	(SE)	1,054.45	0.16	1.51	8.12
	N	1,979	33	33	33
	ESTIMATE	64	0.67	2.00	50.0
6	(SE)	63.80	0.89	2.00	50.00
	N	1,979	2	2	2
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STATEWIDE	ESTIMATE	69,587	1.38	9.76	84.2
	(SE)	4,620.45	0.06	0.57	1.89
	N	1,993	374	374	374

TABLE 11. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF WOOD DUCK HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

WOOD DUCKS

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS
1	ESTIMATE	3,764	0.51	6.44	56.3
	(SE)	1,297.58	0.16	2.58	12.81
2	N	1,979	16	16	16
	ESTIMATE	4,354	0.21	1.78	39.3
3	(SE)	643.15	0.03	0.25	4.22
	N	1,979	135	135	135
4	ESTIMATE	4,657	0.26	1.66	45.8
	(SE)	654.45	0.03	0.21	3.88
5	N	1,979	166	166	166
	ESTIMATE	112	0.24	0.88	25.0
6	(SE)	97.01	0.23	0.74	16.37
	N	1,979	8	8	8
STATEWIDE	ESTIMATE	3,349	0.81	6.30	84.8
	(SE)	694.96	0.09	0.76	6.34
STATEWIDE	N	1,979	33	33	33
	ESTIMATE	0	0.00	0.00	0.0
STATEWIDE	(SE)	0.0	0.00	0.00	0.00
	N	1,979	2	2	2
STATEWIDE	ESTIMATE	15,077	0.30	2.11	46.0
	(SE)	1,241.80	0.02	0.17	2.58
STATEWIDE	N	1,993	374	374	374

TABLE 12. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF OTHER DUCK HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

<u>OTHER DUCKS</u>					
DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS
1	ESTIMATE	1,212	0.70	3.19	50.0
	(SE)	511.76	0.29	1.36	12.91
2	N	1,979	16	16	16
	ESTIMATE	16,746	0.87	7.27	74.8
3	(SE)	2,105.97	0.09	0.74	3.75
	N	1,979	135	135	135
4	ESTIMATE	19,729	1.11	7.10	78.9
	(SE)	2,201.62	0.08	0.63	3.18
5	N	1,979	166	166	166
	ESTIMATE	542	0.76	2.75	37.5
6	(SE)	293.04	0.37	1.54	18.3
	N	1,979	8	8	8
STATEWIDE	ESTIMATE	2,440	0.58	4.55	69.7
	(SE)	705.04	0.12	1.10	8.12
STATEWIDE	N	1,979	33	33	33
	ESTIMATE	48	0.50	1.50	50.0
STATEWIDE	(SE)	47.85	0.67	1.50	50.0
	N	1,979	2	2	2
STATEWIDE	ESTIMATE	46,719	0.94	16.65	73.5
	(SE)	3,306.06	0.05	0.42	2.28
STATEWIDE	N	1,993	374	374	374

TABLE 13. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF GOOSE HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	48	1.50	3.00	100.0	32	2.00	16	1.6
	(SE)	47.63	-	-	-	31.75	-	15.88	1.56
2	ESTIMATE	1,988	1	1	1	1,988	1	64	64
	(SE)	1,762	0.53	3.71	78.6	3,128	7.04	445	43.8
3	ESTIMATE	465.93	0.15	0.78	7.90	830.59	1.35	83.44	6.25
	(SE)	1,988	28	28	28	1,988	28	64	64
4	ESTIMATE	3,128	0.87	5.72	84.4	3,334	6.56	508	50.0
	(SE)	816.20	0.20	1.25	6.52	953.61	1.51	89.11	6.30
5	ESTIMATE	1,988	32	32	32	1,988	32	64	64
	(SE)	0	0.00	0.00	0.0	111	7.00	16	1.6
6	ESTIMATE	0.00	-	-	-	111.14	-	15.88	1.56
	(SE)	1,988	1	1	1	1,988	1	64	64
STATEWIDE	ESTIMATE	95	3.00	6.00	100.0	32	2.00	16	1.6
	(SE)	95.26	-	-	-	31.75	-	15.88	1.56
STATEWIDE	ESTIMATE	1,988	1	1	1	1,988	1	64	64
	(SE)	16	0.50	1.00	1.0	32	2.00	16	1.6
STATEWIDE	ESTIMATE	15.88	-	-	-	31.75	-	15.88	1.56
	(SE)	1,988	1	1	1	1,988	1	64	64
STATEWIDE	ESTIMATE	6,842	0.68	4.39	81.2	7,016	6.42	1,093	3.5
	(SE)	1,090.19	0.12	0.68	4.74	1,278.95	0.90	129.29	0.41
STATEWIDE	ESTIMATE	1,993	69	69	69	1,993	69	1,993	1,993
	(SE)								

TABLE 14. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF RED FOX HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	0	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	-
2	N	1,993	-	-	-	1,993	-	1	1
	ESTIMATE	15.84	1.00	1.00	100.0	16	1.00	16	100.0
(SE)	15.84	-	-	-	-	15.84	-	15.84	-
	N	1,993	1	1	1	1,993	1	1	1
3	ESTIMATE	0	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	-
4	N	1,993	-	-	-	1,993	-	1	1
	ESTIMATE	0	-	-	-	0	-	0	0.0
(SE)	0.00	-	-	-	-	0.00	-	0.00	-
	N	1,993	-	-	-	1,993	-	1	1
5	ESTIMATE	0	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	-
6	N	1,993	-	-	-	1,993	-	1	1
	ESTIMATE	0	-	-	-	0	-	0	0.0
(SE)	0.00	-	-	-	-	0.00	-	0.00	-
	N	1,993	-	-	-	1,993	-	1	1
STATEWIDE	ESTIMATE	16	1.00	1.00	100.0	16	1.00	16	0.1
	(SE)	15.84	0.00	0.00	0.00	15.84	0.00	15.83	0.05
N	1,993	1	1	1	1	1,993	1	1,993	1,993

TABLE 15. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF GRAY FOX HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	15.84	0.13	1.00	100.0	127	8.00	16	50.0
	(SE)	15.84	-	-	-	126.70	-	15.84	50.00
2	ESTIMATE	1,993	1	1	1	1,993	1	2	2
	(SE)	0.00	-	-	-	0	-	0	0.0
3	ESTIMATE	0.00	-	-	-	0.00	-	0.00	0.00
	(SE)	1,993	-	-	-	1,993	-	2	2
4	ESTIMATE	0.00	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	0.00
5	ESTIMATE	1,993	-	-	-	1,993	-	2	1
	(SE)	15.84	0.50	1.00	100.0	32	2.00	16	50.0
6	ESTIMATE	15.84	-	-	-	31.67	-	15.84	50.00
	(SE)	1,993	1	1	1	1,993	1	2	2
STATEWIDE	ESTIMATE	0.00	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	0.00
STATEWIDE	ESTIMATE	1,993	-	-	-	1,993	-	2	2
	(SE)	32	0.20	1.00	100.0	158	5.00	32	0.1
STATEWIDE	ESTIMATE	22.39	0.12	0.00	0.00	130.58	3.00	22.39	0.07
	(SE)	1,993	2	2	2	1,993	2	1,993	1,993

TABLE 16. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF BOBCAT IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	16	0.03	1.00	100.0	509	32.00	16	6.3
	(SE)	15.89	-	-	-	509.08	-	15.89	6.25
2	ESTIMATE	32	0.20	0.67	66.7	159	3.33	48	18.8
	(SE)	22.47	0.21	0.33	33.33	116.88	1.86	27.51	10.08
3	ESTIMATE	16	1.00	1.00	100.0	16	1.00	16	6.3
	(SE)	15.89	-	-	-	15.91	-	15.89	6.25
4	ESTIMATE	48	0.67	1.00	100.0	48	1.50	48	18.8
	(SE)	27.51	0.22	0.00	0.00	35.57	0.50	27.51	10.08
5	ESTIMATE	175	0.24	1.25	87.5	589	5.29	127	50.0
	(SE)	65.43	0.11	0.25	12.50	350.19	2.63	44.88	12.91
6	ESTIMATE	0	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	0.00
STATEWIDE	ESTIMATE	396	0.18	1.04	87.0	1,383	5.44	364	1.2
	(SE)	90.57	0.07	0.12	7.18	630.92	2.15	75.53	0.24
		1,993	16	23	23	1,986	16	1,993	1,993

TABLE 17. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF COYOTE HUNTING DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	32	1.00	2.00	100.0	32	2.00	16	4.2
	(SE)	31.82	-	-	-	31.95	-	15.91	4.17
2	N	1,984	1	1	1	1,976	1	24	24
	ESTIMATE	111	0.33	1.17	83.3	192	3.00	95	25.0
3	(SE)	52.72	0.26	0.31	16.67	123.68	1.41	38.92	9.03
	N	1,984	4	6	6	1,976	4	24	24
4	ESTIMATE	0	0.00	0.00	0.0	48	3.00	16	4.2
	(SE)	0.00	-	-	-	47.92	-	15.91	4.17
5	N	1,984	1	1	1	1,976	1	24	24
	ESTIMATE	111	0.17	1.40	100.0	367	7.67	80	20.8
6	(SE)	52.72	0.17	0.24	0.00	321.43	6.17	35.54	8.47
	N	1,984	3	5	5	1,976	3	24	24
STATEWIDE	ESTIMATE	366	0.48	2.00	90.9	527	4.71	175	45.8
	(SE)	186.07	0.08	0.91	90.91	335.31	2.61	52.63	10.39
STATEWIDE	N	1,984	7	11	11	1,976	7	24	24
	ESTIMATE	0	-	-	-	0	-	0	0.0
STATEWIDE	(SE)	0.00	-	-	-	0.00	-	0.00	0.00
	N	1,984	-	-	-	1,976	-	24	24
STATEWIDE	ESTIMATE	744	0.29	1.39	95.9	1,420	4.94	523	1.7
	(SE)	207.69	0.07	0.32	6.34	539.14	1.52	90.24	0.29
STATEWIDE	N	1,993	16	33	33	1,978	18	1,993	1,993
	ESTIMATE								

TABLE 18. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF ARCHERY DEER HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	62	0.06	0.50	37.5	1056	8.38	124	3.2
	(SE)	38.04	0.03	0.27	0.18	433.25	1.88	43.84	0.01
2	ESTIMATE	202	0.09	0.67	42.9	2,253	7.15	326	8.4
	(SE)	80.58	0.023	0.22	0.11	666.79	1.44	70.68	0.02
3	ESTIMATE	78	0.03	0.28	22.2	3,150	11.11	280	7.2
	(SE)	41.07	0.01	0.14	0.10	1,181.9	3.35	65.51	0.02
4	ESTIMATE	280	0.07	0.82	50	2,095	7.39	342	8.8
	(SE)	113.97	0.03	0.29	0.11	541.39	0.83	72.32	0.02
5	ESTIMATE	1,802	0.06	0.68	44.7	22,355	10.90	2,641	68
	(SE)	228.57	0.01	0.07	0.04	1,994.38	0.69	189.77	0.03
6	ESTIMATE	16	0.02	0.09	9.1	898	5.18	171	4.4
	(SE)	15.54	0.02	0.09	0.09	302.59	0.83	51.35	0.01
STATEWIDE	ESTIMATE	3,236	0.05	0.71	44.5	39,512	9.80	4,534	20.0
	(SE)	330.44	<0.01	0.06	2.96	3,151.48	0.54	241.10	1.07
		N	245	283	283	1,375	245	1,413	1,413

TABLE 19. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF ARCHERY BUCK AND DOE HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	BUCKS				DOES			
		TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS
1	ESTIMATE	0	0.00	0.00	0.0	1,056	8.38	124	3.2
	(SE)	0.00	0.00	0.00	0.00	433.25	1.88	44	0.01
2	N	1,380	8	8	8	1,361	8	250	250
	ESTIMATE	16	0.01	0.62	4.8	2,253	7.15	326	8.4
3	(SE)	15.54	0.01	0.21	0.05	666.79	1.44	71	0.02
	N	1,380	20	21	21	1,361	20	250	250
4	ESTIMATE	47	0.02	0.17	11.1	3,151	11.11	280	7.2
	(SE)	34.73	0.01	0.12	0.08	1,181.99	3.35	66	0.02
5	N	1,380	18	18	18	1,361	18	250	250
	ESTIMATE	47	0.00	0.14	4.6	2,095	7.39	342	8.8
6	(SE)	46061	0.00	0.17	0.05	541.39	0.83	72	0.02
	N	1,380	18	22	22	1,361	18	250	250
STATEWIDE	ESTIMATE	544	0.02	0.03	18.2	26,783	10.90	2641	68
	(SE)	100.87	0.00	0.21	0.18	2,631.49	0.69	189.77	0.03
STATEWIDE	N	1,380	156	170	170	1,361	156	250	250
	ESTIMATE	16	0.02	0.09	9.1	1,361	5.18	171	4.4
STATEWIDE	(SE)	15.54	0.02	0.09	0.09	57.71	0.83	51.35	0.01
	N	1,380	11	11	11	1,361	11	250	250
STATEWIDE	ESTIMATE	913	0.01	0.20	15.9	2,323	0.04	0.51	36.8
	(SE)	145.74	<0.01	0.03	2.18	249.37	<0.01	0.05	2.78
STATEWIDE	N	1,413	245	283	283	1,413	245	283	283

TABLE 20. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF PRIMITIVE WEAPON DEER HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL HUNTING DAYS	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE (SE) N	31 22.19 1,366	0.02 0.01 8	0.40 0.16 10	40.0 0.16 10	1,298 839.18 1,338	10.13 5.86 8	157 49.47 317	3.7 0.01 317
2	ESTIMATE (SE) N	267 81.27 1,366	0.02 0.01 26	0.59 0.14 29	44.8 0.09 29	2,644 712.03 1,338	6.34 1.21 26	455 83.66 317	9.6 0.02 317
3	ESTIMATE (SE) N	141 60.70 1,366	0.10 0.03 18	0.50 0.19 18	33.3 0.11 18	3,151 1,181.99 1,361	5.22 0.78 18	283 66.18 317	5.7 0.03 317
4	ESTIMATE (SE) N	392 89.58 1,366	0.07 0.02 31	0.69 0.11 36	58.3 0.08 36	4,551 1,261.06 1,338	9.16 1.98 31	565 92.96 317	11.4 0.02 317
5	ESTIMATE (SE) N	2,464 268.77 1,366	0.09 0.01 192	0.75 0.07 209	51.2 0.03 209	22,355 1,994.38 1,338	7.27 0.43 192	3,280 208.92 317	65.9 0.03 317
6	ESTIMATE (SE) N	157 70.10 1,366	0.08 0.04 14	0.67 0.25 15	40 0.13 15	1,683 527.03 1,338	7.50 1.29 14	235 60.48 317	54.7 0.01 317
STATEWIDE	ESTIMATE (SE) N	4,294 334.32 1,413	0.08 0.01 308	0.74 0.05 364	52.5 2.62 364	37,367 2,740.28 1,357	7.27 0.39 308	5,831 263.45 1,413	25.8 1.16 1,413

TABLE 21. EXPANDED STATEWIDE AND DISTRICT OF PRIMITIVE WEAPON BUCK AND DOE HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	BUCKS				DOES			
		TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS
1	ESTIMATE	31	0.02	0.00	20.0	31	0.00	0.20	20.0
	(SE)	22.19	0.01	0.00	13.33	22.19	0.00	0.13	13.33
2	ESTIMATE	78	0.02	0.17	17.2	188	0.05	0.41	31.0
	(SE)	35.05	0.01	0.07	7.14	66.43	0.02	0.13	8.74
3	ESTIMATE	31	0.02	0.11	11.1	110	0.07	0.39	27.8
	(SE)	22.19	0.01	0.08	7.62	51.99	0.03	0.16	10.86
4	ESTIMATE	63	0.01	0.11	11.1	330	0.06	0.58	52.8
	(SE)	31.36	0.01	0.05	0.05	78.00	0.01	0.10	8.44
5	ESTIMATE	94	0.04	0.33	29.7	1,381	0.05	0.42	33.0
	(SE)	141.77	0.01	0.04	3.17	176.49	0.01	0.05	3.26
6	ESTIMATE	94	0.05	0.40	20.0	63	0.03	0.27	26.7
	(SE)	58.70	0.03	0.24	10.69	31.36	0.02	0.12	11.82
STATEWIDE	ESTIMATE	1,714	0.03	0.29	26.1	2,579	0.05	0.44	41.5
	(SE)	180.53	<0.01	0.03	2.31	231.50	0.01	0.03	2.52
	N	1,413	308	364	364	1,413	308	364	364

TABLE 22. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF REGULAR GUN DEER HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	918	0.12	0.79	51.4	7,809	6.46	1,169	7.6
	(SE)	181.97	0.02	0.13	0.06	1,334.72	0.80	135.91	0.01
2	ESTIMATE	1,284	67	70	70	1,189	67	926	926
	(SE)	1,586	0.12	1.17	64.2	13,397	9.10	1,353	8.8
3	ESTIMATE	252.24	0.02	0.14	5.46	1,1487	0.87	145.53	1
	(SE)	1,284	70	81	81	1,722.51	70	926	926
4	ESTIMATE	918.47	0.11	0.2	52.2	9,053	7.49	1,119	7.2
	(SE)	174.13	0.02	0.12	0.06	1,435.16	0.79	133.13	0.01
5	ESTIMATE	1,284	67	67	67	1,189	67	926	926
	(SE)	2,171	0.10	1.14	66.7	20,180	10.76	1,904	12.3
6	ESTIMATE	279	0.01	0.11	0.04	2,585.62	0.94	170.27	0.01
	(SE)	1,284	104	114	114	1,189	104	926	926
STATEWIDE	ESTIMATE	12,324	0.08	1.32	71.3	125,788	14.84	9,368	60.6
	(SE)	611.50	0.00	0.05	0.02	131,664	0.45	296.92	60.02
STATEWIDE	ESTIMATE	1,284	492	561	561	1,189	492	926	926
	(SE)	451	0.05	0.82	39.4	7,592	13.58	551	3.6
STATEWIDE	ESTIMATE	138.20	0.01	0.21	0.09	1,623.30	1.65	94.73	0.02
	(SE)	1,284	31	33	33	1,189	31	926	926
STATEWIDE	ESTIMATE	20,731	0.09	1.23	68.3	200,931	12.53	16,902	74.7
	(SE)	639.21	<0.01	0.04	1.43	6,439.70	0.33	262.02	1.16
STATEWIDE	ESTIMATE	1,413	870	1,055	1,055	1,228	870	1,413	1,413
	(SE)								

TABLE 23. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF REGULAR GUN BUCK AND DOE HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	BUCKS				DOES			
		TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS
1	ESTIMATE	434	0.06	0.37	31.4	484	0.06	0.41	28.6
	(SE)	99.50	0.01	0.07	5.59	120.87	0.02	0.09	5.43
2	N	1,284	67	70	70	1,284	67	70	70
	ESTIMATE	835	0.06	0.62	46.9	751	0.06	0.56	37.0
	(SE)	145.69	0.01	0.09	5.58	148.88	0.01	0.09	5.40
	N	1,284	70	81	81	1,284	70	81	81
3	ESTIMATE	417	4.98	0.37	34.3	501	0.06	0.45	52.2
	(SE)	89.21	0.01	0.07	5.84	117.30	0.01	0.09	6.15
	N	1,284	67	67	67	1,284	67	67	67
	ESTIMATE	1,052	0.05	0.55	43.0	1,119	0.05	0.59	43.0
4	(SE)	158.41	0.01	0.07	4.66	171.59	0.01	0.07	4.66
	N	1,284	104	114	114	1,284	104	114	114
5	ESTIMATE	6,429	0.04	0.69	49.7	5,895	0.04	0.63	44.2
	(SE)	378.59	<0.01	0.03	2.11	374.28	<0.01	0.03	2.10
	N	1,284	492	561	561	1,284	492	561	561
	ESTIMATE	267	0.03	0.48	30.3	184	0.20	0.33	30.3
6	(SE)	91.20	0.01	0.15	8.12	60.02	0.01	0.09	8.12
	N	1,284	31	33	33	1,284	31	33	33
STATEWIDE	ESTIMATE	10,862	0.04	0.64	48.0	9,869	0.04	0.58	41.5
	(SE)	439.09	<0.01	0.02	1.54	445.13	<0.01	0.02	1.52
	N	1,413	870	1,055	1,055	1,413	870	1,055	1,055

TABLE 24. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF SPRING TURKEY HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE	169	0.13	069	51.4	1266	5.13	246	7.6
	(SE)	63.33	0.04	0.20	0.13	408.33	1.09	61.24	0.02
2	ESTIMATE	184.71	0.08	0.48	40	2,084	5.63	385	11.9
	(SE)	61.39	0.03	0.13	0.01	493.65	0.71	76.3	0.02
3	ESTIMATE	92	0.08	0.50	25	1,389	24	211	211
	(SE)	43.48	0.03	0.19	0.15	401.32	1.40	53.11	0.02
4	ESTIMATE	139	0.06	0.39	26.1	2,501	7.04	354	10.9
	(SE)	63.38	0.02	0.16	0.09	704.48	1.38	73.24	0.02
5	ESTIMATE	1,077	0.07	0.56	42.7	13,801	7.39	1,908	58.8
	(SE)	158.89	0.01	0.07	0.04	1,592.80	0.56	163.66	0.03
6	ESTIMATE	108	0.11	0.64	39.4	957	5.64	169	5.2
	(SE)	63.42	0.06	0.34	0.14	319.94	0.87	50.87	0.01
STATEWIDE	ESTIMATE	2,243	0.08	0.58	42.0	24,479	9.92	3,701	16.3
	(SE)	229.17	0.01	0.05	3.25	2,080.69	0.40	222.78	0.98
	N	1,413	219	231	231	1,401	219	1,413	1,413

TABLE 25. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF FALL TURKEY HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT (A)	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
3	ESTIMATE	30	0.50	1.00	50	61	2.00	30	14.29
	(SE)	30.39	0.50	1.00	15.20	43	0.00	21.48	0.10
5	N	1,411	2	2	2	1,410	2	14	14
	ESTIMATE	46	0.00	0.30	10	836	6.11	152	71.43
	(SE)	45.59	0.00	0.30	0.10	355.09	1.71	47.90	0.13
	N	1,411	9	10	10	1,410	9	14	14
STATEWIDE	ESTIMATE	112	0.04	0.44	25.0	1,235	5.50	256	1.1
	(SE)	62.00	0.03	0.22	11.18	421.81	1.22	63.74	0.28
	N	1,413	14	16	16	1,411	14	1,413	1,413

(A) FALL TURKEY HUNTING WAS LEGAL IN DISTRICTS 2, 3, AND 5.

(B) CALCULATED AS A PERCENT OF BIG GAME LICENSE HOLDERS ONLY.

TABLE 26. EXPANDED STATEWIDE SUMMARIES OF ALL DEER, BUCK, DOE, AND TURKEY (FALL '05 AND SPRING '06) HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON

SPECIES	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT OF TOTAL LICENSEES (A)
DEER	ESTIMATE	28,260	0.08	1.53	69.2	286,647	16.11	18,520	81.8
	(SE)	925.62	<0.01	0.05	1.36	9,437.44	0.47	232.38	0.01
BUCK	ESTIMATE	1,413	944	1,156	1,156	1,201	944	1,413	1,413
	(SE)	28,260	0.04	0.73	49.4				
DOE	ESTIMATE	518.88	<0.01	0.03	1.47				
	(SE)	14,771	944	1,156	1,156				
TURKEY	ESTIMATE	14,771	0.04	0.80	47.7				
	(SE)	599.30	<0.01	0.03	1.47				
TURKEY	ESTIMATE	1,413	944	1,156	1,156				
	(SE)	2,243	0.07	0.58	41.1	25,742	6.98	3,860	17.1
TURKEY	ESTIMATE	242.06	0.01	0.05	3.18	2,145.11	0.40	226.59	1.00
	(SE)	1,413	228	241	241	1,400	228	1,413	1,413

(A) CALCULATED AS A PERCENT OF BIG GAME LICENSE HOLDERS ONLY.

TABLE 27. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF HOG HUNTING IN MISSISSIPPI DURING THE 2005-06 HUNTING SEASON.

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS	TOTAL MANDAYS	AVERAGE SEASONAL DAYS HUNTING	TOTAL HUNTERS	PERCENT HUNTERS PER DISTRICT
1	ESTIMATE (SE) N	0 0.00 1,982	- - -	- - -	- - -	0 0.00 1,976	- - -	0 0.00 58	0.0 0.00 58
2	ESTIMATE (SE) N	32 633.49 1,982	0.20 0.21 3	66.67 0.33 3	0.7 0.33 3	160 117.35 1,976	3.33 1.86 3	48 27.57 58	5.5 .03 58
3	ESTIMATE (SE) N	175 115.90 1,982	0.32 0.25 8	1.22 0.74 9	55.6 0.17 9	495 232.91 1,976	3.88 1.29 8	143 47.68 58	15.5 0.05 58
4	ESTIMATE (SE) N	80 42.11 1,982	0.07 0.04 4	0.83 0.31 6	66.7 0.21 6	479 402.79 1,976	7.50 5.85 4	96 38.96 58	10.4 0.04 58
5	ESTIMATE (SE) N	1,449 604.63 1,982	0.24 0.10 29	2.84 1.09 32	78.1 0.07 32	5,431 1,429.72 1,976	11.72 2.24 29	510 89.38 58	55.2 0.07 58
6	ESTIMATE (SE) N	96 50.33 1,982	0.12 0.07 8	0.75 0.31 8	50.0 0.19 8	783 371.89 1,976	6.13 2.08 8	67,127 44,96 58	13.8 0.05 58
STATEWIDE	ESTIMATE (SE) N	2,328 698.47 1,993	0.21 0.07 59	2.13 0.59 69	68.1 56.51 69	18,165 1,601.94 1,983	8.69 1.30 59	1,093 129.29 1,993	3.5 0.41 1,993

Summary of Responses to Opinion Questions for 2005-2006

Table 28. Percent of respondents by their age category (Q2)

Age Category	Frequency	Percent
18-20	12	0.7
21-25	61	3.4
26-30	110	6.2
31-35	147	8.2
36-40	232	12.9
41-45	226	12.6
46-50	257	14.4
51-55	222	12.4
56-60	232	12.9
61-65	139	7.8
66-70	78	4.4
>71	73	4.1
TOTAL	1789	100.0

n missing = 0

Mean age of hunter = 47.7

Table 29. Percent of respondents by their gender category (Q3)

Gender Category	Frequency	Percent
MALE	1736	97.6
FEMALE	43	2.4
TOTAL	1779	100.0

n missing = 10

Table 30. Percent of respondents by their approximate annual household income category before taxes (Q4)

Income Category	Frequency	Percent
Under 10,000	22	1.3
10,000-19,000	41	2.5
20,000-29,000	74	4.5
30,000-39,000	111	6.7
40,000-49,000	117	7.0
50,000-59,000	150	9.0
60,000-69,000	131	7.9
70,000-79,000	129	7.8
80,000-89,000	140	8.4
90,000-99,000	116	7.0
100,000 and above	631	38.0
TOTAL	1662	100.0

n missing = 127

Table 31. Percent of respondents by their highest completed level of education (Q5)

Education Category	Frequency	Percent
Elementary	22	1.2
High School	599	33.8
College	868	49.0
Graduate School	283	16.0
TOTAL	1772	100.0

n missing = 17

Table 32. Percent of respondents by their Spanish/Hispanic origin (Q6)

Response	Frequency	Percent
No, not Spanish/Hispanic	1584	99.5
Yes, Mexican, American, Chicano	1	0.1
Yes, other Spanish/Hispanic group	7	0.4
TOTAL	1592	100.0

n missing = 197

Table 33. Percent of respondents by their race (Q7)

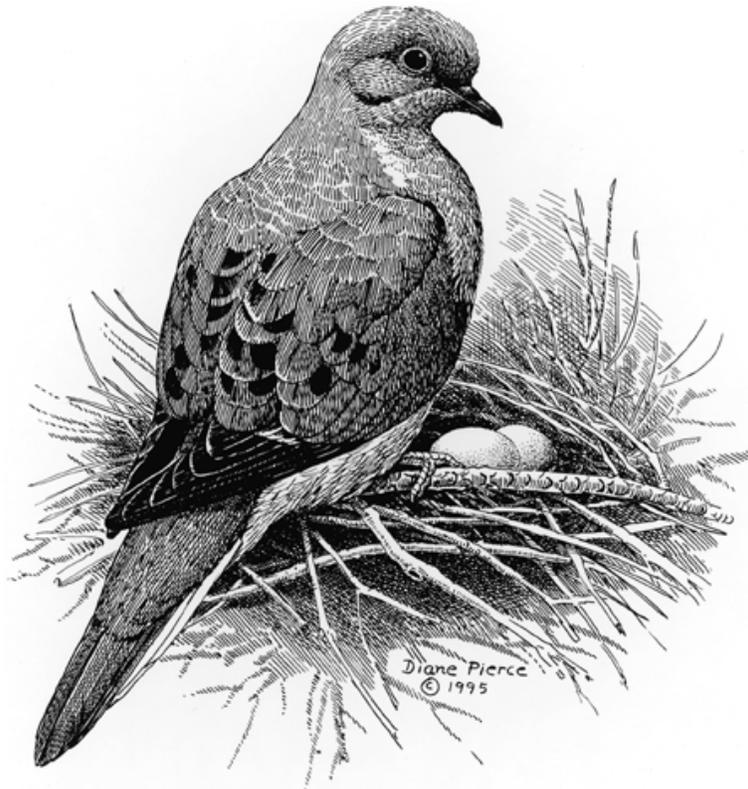
Race Category	Frequency	Percent
WHITE OR ANGLO	1714	96.4
BLACK OR AFRICAN AMERICAN	39	2.2
NATIVE AMERICAN OR ALASKAN NATIVE	12	0.7
ASIAN OR PACIFIC ISLANDER	2	0.1
OTHER	11	0.6
TOTAL	1778	100.0

n missing = 11

Appendix A

Questionnaire: 2005-06 Survey of Mississippi Non-Resident Hunters

2006 Survey of Mississippi Non-Resident Hunters

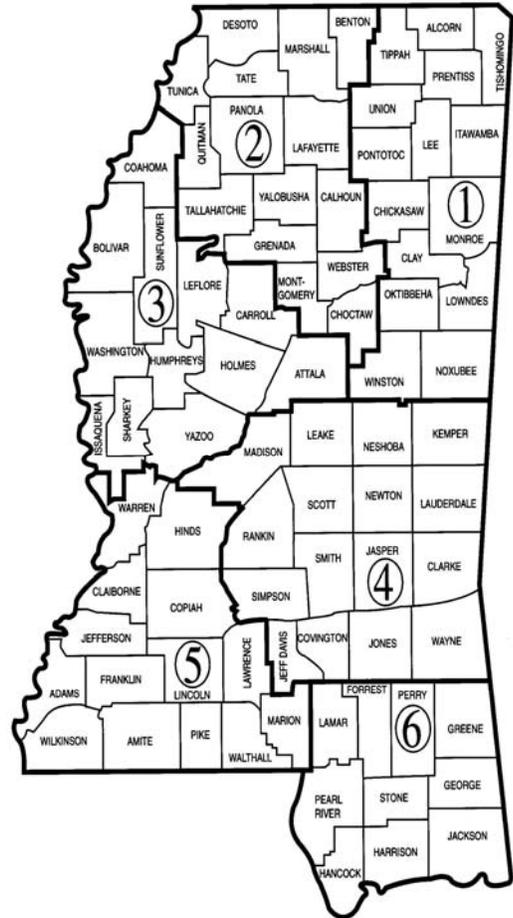


*Conducted for the
Mississippi Department of Wildlife, Fisheries & Parks
by the
Human Dimensions & Conservation Law Enforcement Laboratory
Forest & Wildlife Research Center
Mississippi State University*

1. Please fill in the blocks below for each game, furbearer, or predatory species you hunted during the 2005-2006 hunting season (even if you were unsuccessful). If you hunted more than one species on a particular day, count a day for each species you hunted. Report only game, furbearer, or predatory species taken by you in Mississippi.

Species Sought	Total harvested in Mississippi in 2004-05 season	Days hunted species in Mississippi in 2004-05 season	District Hunted Most
Dove			
Quail			
Woodcock			
Rabbit			
Squirrel			
Raccoon			

**DETERMINE DISTRICT (1-6)
HUNTED MOST FROM THE MAP
BELOW**



	Bucks	Does		
Deer (Archery)				
Deer (Primitive Weapon)				
Deer (Gun)				
Turkey (Fall 2004)				
Turkey (Spring 2005)				

	Mallard	Wood	Other		
Ducks					
Geese					
Red fox					
Gray fox					
Bobcat					
Coyote					
Feral Hog					

The following questions will help us to know more about hunters. The information you provide will remain strictly confidential and you will not be identified with your answers.

2. What is your age?

_____ YEARS

3. Are you?

- 1 MALE
- 2 FEMALE

4. What is your approximate annual household income before taxes?

- | | |
|-----------------------|------------------------|
| 1 Under \$10,000 | 7 \$60,000 - \$69,999 |
| 2 \$10,000 - \$19,999 | 8 \$70,000 - \$79,999 |
| 3 \$20,000 - \$29,999 | 9 \$80,000 - \$89,999 |
| 4 \$30,000 - \$39,999 | 10 \$90,000 - \$99,999 |
| 5 \$40,000 - \$49,999 | 11 \$100,000 and ABOVE |
| 6 \$50,000 - \$59,999 | |

5. What is your highest completed level of education? *(Please circle only one number)*

- | | | | | | | | | | | | | | | | | | | | | | |
|------------|----------|----------|----------|-------------|----------|----------|----------|----------|-----------|-----------|-----------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| <u>1</u> | <u>2</u> | <u>3</u> | <u>4</u> | <u>5</u> | <u>6</u> | <u>7</u> | <u>8</u> | <u>9</u> | <u>10</u> | <u>11</u> | <u>12</u> | <u>13</u> | <u>14</u> | <u>15</u> | <u>16</u> | <u>17</u> | <u>18</u> | <u>19</u> | <u>20</u> | <u>21</u> | <u>22+</u> |
| elementary | | | | high school | | | | college | | | | graduate school | | | | | | | | | |

6. Are you of Spanish/Hispanic origin?

- 1 NO, NOT SPANISH/HISPANIC
- 2 YES, MEXICAN, MEXICAN AMERICAN, CHICANO
- 3 YES, OTHER SPANISH/HISPANIC GROUP *(Please specify: _____)*

7. What is your race?

- 1 WHITE OR ANGLO
- 2 BLACK OR AFRICAN AMERICAN
- 3 NATIVE AMERICAN OR ALASKAN NATIVE
- 4 ASIAN OR PACIFIC ISLANDER
- 5 OTHER *(Please specify: _____)*

8. Was this survey completed by the person to whom it was addressed?

- 1 YES
- 2 NO

Is there anything else you would like to share with us about hunting or wildlife management in Mississippi?

Your contribution of time to this study is greatly appreciated. Please return your completed questionnaire in the postage paid business reply envelope as soon as possible. Thank You.

Mississippi State University
Department of Wildlife and Fisheries
Mississippi State, MS 39762-9690
5/06

Appendix B

Survey correspondence with hunters for the 2005-06 Survey of Mississippi Non-Resident Hunters

10000



Mississippi State
UNIVERSITY

Human Dimensions & Conservation Law Enforcement Laboratory
Forest & Wildlife Research Center
Box 9690
Mississippi State, MS 39762-9690

September 1, 2006

John Doe
123 Buck Drive
Fawn, MS 30759

Dear John:

In conjunction with the Mississippi Department of Wildlife, Fisheries and Parks (MDWFP) we are conducting the annual harvest survey of licensed hunters in Mississippi. We conduct this study each year to determine the demographic characteristics of hunters and the amount of game they harvested in Mississippi during the previous hunting season. The information you provide helps managers evaluate how wildlife populations and hunter harvest are affected by various management programs and regulations.

The enclosed survey is designed to tell us about your game harvest in the 2005-2006 Mississippi hunting season (September 1, 2005 – May 1, 2006). Although the survey is completely voluntary, we hope that you will take the 5-10 minutes necessary to provide your input and be a part of the wildlife management process. If you bought a license but did not hunt last year, please write "DID NOT HUNT" on the front cover and send it back to us. That will prevent you from receiving follow-up letters from us, and help us to complete the study.

You are one of a small number of license holders selected to participate in this study. It is important that YOU and no one else complete the questionnaire. Your responses are important to us whether you hunt often, just occasionally, or last year was your first time hunting in Mississippi. All responses will be strictly confidential, and you will not be identified with your answers. Your answers will be grouped with other respondents in a non-identifiable manner. The survey has an identification number for mailing purposes only. This is so we can remove your name from the mailing list once we receive it.

After you complete the questionnaire, please return it to Mississippi State University in the postage-paid, business reply envelope as soon as possible. If you should have any questions about this research project, please feel free to contact me at Mississippi State University at (662) 325-4153. For additional information regarding human participation in research, please feel free to contact the MSU Regulatory Compliance Office at (662) 325-5220.

Thank you in advance for your cooperation. We hope that your 2006-07 hunting season is a safe and successful one.

Sincerely,

A handwritten signature in cursive script that reads "Kevin M. Hunt".

Dr. Kevin M. Hunt
Assistant Professor & Director
Human Dimensions & Conservation Law Enforcement Laboratory

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Mississippi State
UNIVERSITY

Human Dimensions & Conservation Law Enforcement Laboratory
Forest & Wildlife Research Center
Box 9690
Mississippi State, MS 39762-9690

September 22, 2006

Johnny M. Hunter
1234 Duck Drive
Starkville, MS 39759

Dear Johnny:

About three weeks ago, we sent you a survey of Mississippi hunters. As of today, we have not yet received your completed questionnaire. If you have recently returned your survey, please accept our thanks. The success and accuracy of our study depends on you and the others who have yet to respond. You and the others who have not yet responded may represent a completely different portion of the hunting public than those who have responded and have different hunting patterns and harvest rates. We ask for your help in making sure our results are representative of all hunters in Mississippi.

In case you misplaced your survey, we've enclosed another. The survey is designed to tell us about your general hunting activity and game harvest during the 2005-2006 hunting season. Results help MDWFP better understand how harvest regulations affect wildlife populations so they can make improvements that benefit both hunters and wildlife. Although the survey is completely voluntary, we hope that you will take the 5-10 minutes necessary to provide your input and be a part of the wildlife management process. If you did not hunt during the 2005-2006 hunting season please write **DID NOT HUNT** on the front of the questionnaire and mail it back to us so we can take your name off the mailing list.

All responses will be strictly confidential, and you will not be identified with your answers. Your answers will be grouped with other respondents in a non-identifiable manner. The survey has an identification number for mailing purposes only. This is so we can remove your name from the mailing list once it is received. After you complete the questionnaire, please return it to Mississippi State University in the postage-paid, business reply envelope as soon as possible. If you should have any questions about this research project, please feel free to contact me at Mississippi State University at (662) 325-4153. Thank you in advance for your cooperation and good luck during the upcoming hunting season.

Sincerely,

A handwritten signature in black ink that reads "Kevin M. Hunt".

Dr. Kevin M. Hunt
Assistant Professor & Director
Human Dimensions & Conservation Law Enforcement Laboratory

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Human Dimensions & Conservation Law Enforcement Laboratory
Forest & Wildlife Research Center
Box 9690
Mississippi State, MS 39762-9690

October 20, 2006

Johnny M. Hunter
1234 Duck Drive
Starkville, MS 39759

Dear Johnny:

About a month ago, I sent you a survey of Mississippi hunters. As of today, I have not yet received your completed questionnaire. If you have recently returned your survey, please accept our thanks. The success and accuracy of our study depends on you and the others who have yet to respond. You and the others who have not yet responded may represent a completely different portion of the hunting public than those who have responded and have different hunting patterns and harvest rates. We ask for your help in making sure our results are representative of all hunters in Mississippi.

In case you misplaced your survey, I've enclosed another. The survey is designed to tell us about your general hunting activity and game harvest during the 2005-2006 hunting season. Although the survey is completely voluntary, I hope that you will take the 5-10 minutes necessary to provide your input and be a part of the wildlife management process. If you did not hunt during the 2005-2006 hunting season please write **DID NOT HUNT** on the front of the questionnaire and mail it back to me so I can take your name off the mailing list.

After you complete the questionnaire, please return it to Mississippi State University in the postage-paid, business reply envelope as soon as possible. If you should have any questions about this research project, please feel free to contact me at Mississippi State University at (662) 325-4153. Thank you in advance for your cooperation during this difficult time.

Sincerely,

A handwritten signature in black ink that reads "Kevin M. Hunt". The signature is written in a cursive style with a large, stylized "K" and "H".

Dr. Kevin M. Hunt
Assistant Professor & Director
Human Dimensions & Conservation Law Enforcement Laboratory