

***Non-Resident Hunter Effort & Game Harvest Estimates
for the 2007-2008 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 2007-08 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 140, 141, 142, 143, and 144) purchased during the 2007-2008 license year. A random sample of 3,000 license holders was selected to participate in this study from the 36,317 non-resident licenses processed from July 1, 2007 – June 30, 2008.

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) A pre-letter informing the individual that they have been selected for a survey of Mississippi hunters, 2) Eight days later an introductory letter, questionnaire (APPENDIX A), and postage-paid business reply envelope (i.e., a complete packet) were sent; 3) 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; 4) Twenty-one days after the postcard mailing, a second complete packet was sent to all hunters who had not yet responded, and 5) 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 3,000 questionnaires were mailed to nonresident hunters. There were a total of 1,092 useable questionnaires returned by hunters. Useable questionnaires included those who indicated they hunted at least one species one or more days during the 2007-08 season (n=961), and those who indicated they “DID NOT HUNT” on their returned survey (n=131). 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 twenty-two individuals indicated their refusal to participate and one individual were reported as being deceased. When non-deliverables (n=321) were excluded from consideration, an effective response rate of 41.1 % was obtained.

Statewide expansions were calculated based on the 36,317 non-resident hunting licenses sold and accounted for by June 30, 2008. There were 36,317 individuals licensed to hunt small game and 25,561 of these license holders also were eligible to pursue big game (deer and turkey) in Mississippi during the 2007-2008 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 28-32 summarize non-resident demographic characteristics.

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LITERATURE CITED

- Dillman, D. A. 1978. Mail and telephone surveys: The Total Design Method. John Wiley & Sons, Inc., New York, NY. 325 pp.
- Filion, F. L. 1980 Humans surveys in wildlife management. Pages 441-453 in Schemitz, editor. Wildlife Techniques Manual. 4th ed. Rev. The Wildl. Soc., Washington, D.C. 686 pp.
- Steffen, D. E. 1981. Mississippi mail survey of game harvest and hunter effort for 1980-81. MDWFP Wildlife Division Technical Report, Jackson, MS.

TABLE 1. EXPANDED STATEWIDE COVERAGE OF THE 2007-08 MISSISSIPPI NONRESIDENT MAIL SURVEY OF GAME HARVEST BASED ON 36,317 SMALL GAME LICENSE HOLDERS AND 25,561 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 LICENCEES (A)
DOVE	91,360	6.67	20.73	93.94	13,569	3.16	4,406	12.1
QUAIL	3,305	6.19	12.38	87.50	534	2.00	267	0.7
WOODCOCK	33	1.00	1.00	100.00	33	1.00	33	0.1
RABBIT	12,684	2.01	8.09	89.36	5,824	3.95	1,569	4.3
SQUIRREL	43,494	3.94	19.45	98.51	10,721	5.08	2,236	6.2
RACCOON	2,570	0.95	8.63	87.50	2,437	9.13	267	0.7
TOTAL DUCK	151,510	2.80	22.42	92.74	47,866	8.01	5,975	16.5
MALLARD	62,019	1.12	9.01	79.33				
WOOD DUCK	16,156	0.27	2.18	43.02				
OTHER DUCKS	73,335	1.40	11.23	82.12				
GEESE	14,253	0.79	8.04	91.11	15,321	10.20	1,502	4.1
RED FOX	0	0.03	1.00	0.00	0	0.00	0	0.0
GRAY FOX	67	0.07	1.00	100.00	1,169	35.00	67	0.2
BOBCAT	234	0.13	1.26	71.43	1,371	8.20	234	0.6
COYOTE	801	0.08	1.63	84.21	2,959	8.00	634	1.7
TOTAL DEER	30,534	0.04	0.78	74.11	318,718	17.97	18,698	73.2
BUCK	14,654	0.04	0.85	54.61				
DOE	15,880	0.07	0.76	49.65				
ARCHERY DEER	3,415	0.02	0.22	51.47	40,918	10.14	4,509	17.6
BUCK	995	0.05	0.54	22.06				
DOE	2,420	0.09	0.75	38.97				
PRIMITIVE DEER	4,973	0.04	0.34	54.27	46,248	7.62	6,597	25.8
BUCK	2,254	0.05	0.41	30.15				
DOE	2,719	0.08	1.29	33.17				
GUN DEER	22,146	0.04	0.67	70.35	221,191	13.83	17,107	66.9
BUCK	11,405	0.04	0.63	51.36				
DOE	10,742	0.07	0.56	41.28				
TOTAL TURKEY	2,188	0.07	0.58	35.90	25,628	7.02	3,879	15.2
SPRING 2008	2,122	0.03	0.20	37.27	17,223	6.89	3,647	14.3
FALL 2007	66	0.32	5.10	10.00	2,055	6.20	332	1.3
HOG	5,274	6.19	12.38	83.87	12,999	14.37	1,035	2.8

(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 2007-08 HUNTING SEASON.

SPECIES	TOTAL HARVEST	STANDARD ERROR		95% CONFIDENCE INTERVAL	
		SE	AS % OF TOTAL (A)	LOWER LIMIT	UPPER LIMIT
DOVE	91,360	10,948	12.0	69,465	113,255
QUAIL	3,305	1,653	50.0	-1	6,611
WOODCOCK	33	33	100.0	-33	100
RABBIT	12,684	2,804	22.1	7,077	18,292
SQUIRREL	43,494	11,005	25.3	21,484	65,503
RACCOON	2,570	1,718	66.8	-865	6,006
TOTAL DUCKS	151,510	17,129	11.3	117,252	185,768
MALLARD	62,019	7,460	12.0	47,100	76,939
WOOD DUCK	16,156	2,929	18.1	10,298	22,013
OTHER DUCKS	73,335	9,465	12.9	54,405	92,265
GEESE	14,253	3,551	24.9	7,152	21,355
RED FOX	0	0	0.0	0	0
GRAY FOX	67	47	70.7	-28	161
BOBCAT	234	120	51.4	-7	474
COYOTE	801	220	27.5	361	1,241
TOTAL DEER	30,534	1,379	4.5	27,775	33,293
BUCK	14,654	774	5.3	13,105	16,202
DOE	15,880	930	5.9	14,021	17,740
ARCHERY DEER	3,415	439	12.9	2,536	4,293
BUCK	995	178	17.9	638	1,351
DOE	2,420	367	15.1	1,687	3,153
PRIMITIVE DEER	4,973	517	10.4	3,939	6,007
BUCK	2,254	300	13.3	1,654	2,855
DOE	2,719	347	12.8	2,025	3,412
GUN DEER	22,146	1,097	5.0	19,952	24,340
BUCK	11,405	654	5.7	10,097	12,712
DOE	10,742	731	6.8	9,279	12,204
TOTAL TURKEY	2,188	361	16.5	1,466	2,910
SPRING 2008	2,122	355	16.7	1,411	2,832
FALL 2007	66	66	100.0	-66	199
HOG	5,274	2,306	43.7	662	9,886

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

TABLE 3. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF DOVE HUNTING IN MISSISSIPPI DURING THE 2007-08 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	8,037 2,367.46 1,080	7.24 0.95 15	15.93 2.39 15	100.0 0.00 15	1,111 343.39 1,079	2.20 0.39 15	504 129.39 127	11.8 2.88 127
2	ESTIMATE (SE) N	35,880 7,901.52 1,080	8.34 0.64 45	23.71 3.95 45	93.3 3.76 45	4,308 841.72 1,079	2.84 0.37 45	1,513 220.93 127	35.4 4.26 127
3	ESTIMATE (SE) N	25,758 5,769.13 1,080	8.71 1.04 30	24.71 3.44 31	100.0 0.00 31	2,928 681.83 1,079	2.90 0.44 30	1,042 184.61 127	24.4 3.83 127
4	ESTIMATE (SE) N	7,801 2,952.91 1080	6.82 1.85 13	17.85 4.81 13	84.6 10.42 13	1,144 437.66 1,079	2.62 0.72 13	437 120.57 127	10.23 2.70 127
5	ESTIMATE (SE) N	11,332 3,847.59 1,080	2.91 1.37 21	16.05 4.30 21	85.7 7.83 21	3,904 1,825.70 1,079	5.52 2.35 21	706 152.66 127	16.5 3.31 127
6	ESTIMATE (SE) N	1,513 1,355.39 1,080	9.00 1.60 2	22.50 17.50 2	100.0 0.00 2	168 138.75 1,079	2.50 1.50 2	67.25 47.53 127	1.58 1.11 127
STATEWIDE	ESTIMATE (SE) N	91,360 10,947.62 1,088	6.67 0.91 128	20.73 1.83 132	93.9 0.02 132	13,569 2,159.70 1,084	3.16 0.43 128	4,406 359.62 1,088	12.1 0.01 1,088

TABLE 4. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF QUAIL HUNTING IN MISSISSIPPI DURING THE 2007-08 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	2,414 1,491.79 1,083	7.24 0.95 15	12.00 6.10 6	83.3 16.67 6	469 236.80 1,083	2.33 0.76 6	201 81.95 7	85.7 14.29 7
2	ESTIMATE (SE) N	0 0.00 1,083	- - -	- - -	- - -	0 0.00 1,083	- - -	0 0.00 7	0.0 0.00 7
3	ESTIMATE (SE) N	201 201.20 1,083	6.00 1 -	6.00 1 -	100.0 1 -	34 1,083 -	1.00 1 -	34 7 -	14.3 14.29 7
4	ESTIMATE (SE) N	0 0.00 1,083	- - -	- - -	- - -	0 0.00 1,083	- - -	0 0.00 7	0.0 0.00 7
5	ESTIMATE (SE) N	0 0.00 1,083	- - -	- - -	- - -	0 0.00 1,083	- - -	0 0.00 7	0.0 0.00 7
6	ESTIMATE (SE) N	0 0.00 1,083	- - -	- - -	- - -	0 0.00 1,083	- - -	0 0.00 7	0.0 0.00 7
STATEWIDE	ESTIMATE (SE) N	3,305 1,652.96 1,088	6.19 1.32 8	12.38 4.69 8	87.5 12.50 8	534 240.27 1,088	2.00 0.60 8	267 94.11 1,088	0.7 0.26 1,088

TABLE 5. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF WOODCOCK HUNTING IN MISSISSIPPI DURING THE 2007-08 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 1,084	- - -	- - -	- - -	0 0.00 1,084	- - -	0 0.00 1	0.0 1 0.0
2	ESTIMATE (SE) N	0 0.00 1,084	- - -	- - -	- - -	0 0.00 1,084	- - -	0 0.00 1	0.0 1 0.0
3	ESTIMATE (SE) N	0 0.00 1,084	- - -	- - -	- - -	0 0.00 1,084	- - -	0 0.00 1	0.0 1 0.0
4	ESTIMATE (SE) N	0 0.00 1,084	- - -	- - -	- - -	0 0.00 1,084	- - -	0 0.00 1	0.0 1 0.0
5	ESTIMATE (SE) N	34 33.50 1,084	1.00 1 -	1.00 1 -	100.0 1 -	34 33.50 1,084	1.00 1 -	34 33.50 1	1.00 1 0.0
6	ESTIMATE (SE) N	0 0.00 1,084	- - -	- - -	- - -	0 0.00 1,084	- - -	0 0.00 1	0.0 0.0 1
STATEWIDE	ESTIMATE	33	1.00	1.00	100.0	33	1.00	33	0.1
	(SE)	33.38	0.00	0.00	0.00	33.38	0.00	33.38	0.10
	N	1,088	1	1	1	1,088	1	1,088	1,088

TABLE 6. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF RABBIT HUNTING IN MISSISSIPPI DURING THE 2007-08 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	771 470.30 1,083	1.44 0.64 5	4.60 2.14 5	60.0 24.50 5	538 264.15 1,081	3.20 0.73 5	168 74.85 45	11.1 4.74 45
2	ESTIMATE (SE) N	4,426 1,994.95 1,083	2.28 0.48 14	9.43 3.56 14	92.9 7.14 14	1,949 720.01 1,081	4.14 1.10 14	469 124.72 45	31.1 6.98 45
3	ESTIMATE (SE) N	1,945 886.93 1,083	3.05 0.84 7	8.29 2.30 7	100.0 0.00 7	638 282.55 1,081	2.71 0.68 7	235 88.48 45	15.6 5.46 45
4	ESTIMATE (SE) N	1,375 1,075.38 1,083	5.57 4.39 3	10.25 7.12 4	75.0 25.00 4	235 153.86 1,081	2.33 0.88 3	134 66.97 45	88.9 4.29 45
5	ESTIMATE (SE) N	3,119 1,231.31 1,083	1.11 0.29 11	7.75 2.19 12	91.7 8.33 12	2,049 761.69 1,081	5.55 1.27 11	402 115.57 45	26.7 6.67 45
6	ESTIMATE (SE) N	671 517.17 1,083	2.86 0.80 3	6.67 4.18 3	100.0 0.00 3	235 153.86 1,081	2.33 0.88 3	101 58.03 45	66.7 3.76 45
STATEWIDE	ESTIMATE (SE) N	12,684 2,803.84 1,088	2.01 0.31 44	8.09 1.38 47	89.4 4.55 47	5,824 1,141.57 1,085	3.95 0.52 44	1,569 223.95 1,088	4.3 0.6 1,088

TABLE 7. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF SQUIRREL HUNTING IN MISSISSIPPI DURING THE 2007-08 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	4,207 2,263.54 1,079	4.31 1.40 5	25.00 8.39 5	100.0 0.00 5	976 444.47 1,079	5.80 0.58 5	168 75.12 62	8.07 3.49 62
2	ESTIMATE (SE) N	1,952 882.53 1,079	1.93 0.43 7	8.29 2.23 7	100.0 0.00 7	1,010 556.55 1,079	4.29 1.86 7	236 88.80 62	11.3 4.05 62
3	ESTIMATE (SE) N	2,019 1,066.27 1,079	4.00 0.62 5	12.00 3.78 5	100.0 0.00 5	504.87 262.55 1,079	3.00 0.89 5	168 75.12 62	15.6 5.46 62
4	ESTIMATE (SE) N	269 212.81 1,079	1.60 1.76 2	4.00 2.00 2	100.0 0.00 2	168 138.75 1,079	2.50 1.50 2	67 47.58 62	3.2 2.26 62
5	ESTIMATE (SE) N	31,369 10,512.37 1,079	4.05 0.68 42	22.19 6.71 42	97.6 2.38 42	7,741 1,928.82 1,079	5.48 1.10 42	1,414 213.94 62	67.7 5.99 62
6	ESTIMATE (SE) N	269 269.26 1,079	8.00 1 1	8.00 1 1	100.0 1 1	34 33.66 1,079	1.00 33.66 1	34 33.66 62	1.6 1.61 62
STATEWIDE	ESTIMATE (SE) N	43,494 11,004.66 1,088	3.94 0.53 63	19.45 4.38 67	98.5 1.49 67	10,721 2,083.40 1,084	5.08 0.77 63	2,236 264.80 1,088	6.2 0.73 1,088

TABLE 8. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF RACCOON HUNTING IN MISSISSIPPI DURING THE 2007-08 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	302	1.00	3.00	100.0	302	3.00	101	50.0
	(SE)	214.82	0.19	1.53	0.00	198.45	1.15	58.08	22.36
	N	1,082	3	3	3	1,082	3	6	6
2	ESTIMATE	0	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	0.00
	N	1,082	-	-	-	1,082	-	6	6
3	ESTIMATE	101	0.50	3.00	100.0	201	6.00	34	16.7
	(SE)	100.69				201.39	-	33.57	16.67
	N	1,082	1	1	1	1,082	1	6	6
4	ESTIMATE	0	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	0.00
	N	1,082	-	-	-	1,082	-	6	6
5	ESTIMATE	0	0.00	0.00	0.0	101	3.00	34	16.7
	(SE)	0.00				100.69	-	33.57	16.67
	N	1,082	1	1	1	1	1	6	6
6	ESTIMATE	0	-	-	-	0	-	0	0.0
	(SE)	0.00	-	-	-	0.00	-	0.00	0.00
	N	1,082	-	-	-	1,082	-	6	6
STATEWIDE	ESTIMATE	2,570	0.95	8.63	87.5	2,437	9.13	267	0.7
	(SE)	1,717.67	0.09	5.96	12.50	1,698.91	5.87	94.11	0.26
	N	1,088	8	8	8	1,088	8	1,088	1,088

TABLE 9. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF ALL DUCK HUNTING IN MISSISSIPPI DURING THE 2007-08 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	907 576.63 1,081	2.25 0.95 5	5.40 2.73 5	100.0 0.00 5	403.15 206.83 1,081	2.40 0.68 5	168 74.98 176	2.8 1.26 176
2	ESTIMATE (SE) N	76,061 13,312.30 1,081	2.98 0.27 73	28.05 4.19 73	91.8 3.24 73	23,080 3,845.28 1,081	9.41 1.16 73	2,452 277.31 176	41.5 3.72 176
3	ESTIMATE (SE) N	51,502 9,347.87 1,081	2.67 0.30 78	18.73 2.91 78	93.6 2.79 78	18,377 2,738.07 1,081	7.01 0.72 78	2,620 285.94 176	44.3 3.76 176
4	ESTIMATE (SE) N	1,041 730.31 1,081	3.44 1.32 3	10.33 5.04 3	100.0 0.00 3	302 180.77 1,081	3.00 0.58 3	101 58.32 176	1.7 0.98 176
5	ESTIMATE (SE) N	12,330 5,108.30 1,081	2.38 0.50 16	19.81 7.76 16	87.5 8.54 16	4,468 1,474.55 1,081	8.31 1.87 16	538 133.45 176	9.1 2.17 176
6	ESTIMATE (SE) N	336 335.96 1,081	2.00 - 1	10.00 - 1	100.0 - 1	168 167.98 1,081	5.00 - 1	34 33.60 176	0.6 0.57 176
STATEWIDE	ESTIMATE (SE) N	151,510 17,129.19 1,088	2.80 0.18 179	22.42 2.32 179	92.7 1.95 179	47,866 4,933.41 1,088	8.01 0.62 179	5,975 408.39 1,088	16.5 1.12 1,088

TABLE 10. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF MALLARD HUNTING IN MISSISSIPPI DURING THE 2007-08 HUNTING SEASON.

MALLARDS					
DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS
1	ESTIMATE	235	0.58	1.40	60.0
	(SE)	153.86	0.20	0.75	0.24
	N	1,081	5	5	5
	ESTIMATE	32,286	1.24	11.63	78.1
2	(SE)	6,160.38	0.13	2.02	4.88
	N	1,081	73	73	73
3	ESTIMATE	19,351	1.00	7.01	83.3
	(SE)	3,141.73	0.11	0.91	4.25
4	N	1,081	78	78	78
	ESTIMATE	168	0.56	1.67	66.7
	(SE)	138.49	0.30	1.20	33.33
	N	1,081	3	3	3
5	ESTIMATE	4,804	0.92	7.69	75.0
	(SE)	1,849.56	0.17	2.66	11.18
6	N	1,081	16	16	16
	ESTIMATE	336	2.00	10.00	100.0
	(SE)	335.96	-	-	-
	N	1,081	1	1	1
STATEWIDE	ESTIMATE	62,019	1.12	9.01	79.3
	(SE)	7,459.65	0.08	1.02	3.04
	N	1,088	179	179	179

TABLE 11. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF WOOD DUCK HUNTING IN MISSISSIPPI DURING THE 2007-08 HUNTING SEASON.

WOOD DUCKS

DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS
1	ESTIMATE	168	0.42	1.00	60.0
	(SE)	111.36	0.30	0.55	24.50
	N	1,081	5	5	5
2	ESTIMATE	6,282	0.23	2.12	32.9
	(SE)	2,137.07	0.08	0.79	5.53
	N	1,081	73	73	73
3	ESTIMATE	4,300	0.22	1.58	44.9
	(SE)	891.08	0.04	0.29	5.67
	N	1,081	78	78	78
4	ESTIMATE	34	0.11	0.33	33.3
	(SE)	33.60	0.11	0.33	33.33
	N	1,081	3	3	3
5	ESTIMATE	3,998	0.79	6.56	81.3
	(SE)	1,775.97	0.24	2.83	10.08
	N	1,080	16	16	16
6	ESTIMATE	0	0.00	0.00	0.0
	(SE)	0.00	-	-	-
	N	1,080	1	1	1
STATEWIDE	ESTIMATE	16,156	0.27	2.18	43.0
	(SE)	2,928.62	0.05	0.43	3.71
	N	1,088	179	179	179

TABLE 12. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF OTHER DUCK HUNTING IN MISSISSIPPI DURING THE 2007-08 HUNTING SEASON.

OTHER DUCKS					
DISTRICT	STATISTIC	TOTAL HARVEST	AVERAGE DAILY KILL	AVERAGE SEASONAL HARVEST	PERCENT SUCCESSFUL HUNTERS
1	ESTIMATE	504	1.25	3.00	60.0
	(SE)	409.99	0.84	2.28	24.50
	N	1,081	5	5	5
2	ESTIMATE	37,493	1.52	14.30	86.3
	(SE)	6,893.01	0.17	2.27	4.05
	N	1,081	73	73	73
3	ESTIMATE	27,851	1.45	10.14	84.6
	(SE)	6,340.10	0.24	2.15	4.11
	N	1,081	78	78	78
4	ESTIMATE	840	2.78	8.33	100.0
	(SE)	601.65	1.24	4.33	0.00
	N	1,081	3	3	3
5	ESTIMATE	3,528	0.67	5.56	56.3
	(SE)	1,766.69	0.35	2.90	12.81
	N	1,081	16	16	16
6	ESTIMATE	0	0.00	0.00	0.0
	(SE)	0.00	-	-	-
	N	1,081	1	1	1
STATEWIDE	ESTIMATE	73,335	1.40	11.23	82.1
	(SE)	9,464.78	0.13	1.37	2.87
	N	1,088	179	179	179

TABLE 13. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF GOOSE HUNTING IN MISSISSIPPI DURING THE 2007-08 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	134 94.89 1,082	0.67 0.22 2	2.00 0.00 2	100.0 0.00 2	201 150.05 1,082	3.00 1.00 2	67 47.45 43	4.7 3.25 43
2	ESTIMATE (SE) N	9,096 3,167.80 1,082	0.83 0.23 23	10.61 3.49 23	91.3 6.00 23	9,868 3,002.78 1,082	12.78 2.92 23	772 159.32 43	53.5 7.70 43
3	ESTIMATE (SE) N	3,189 1,412.23 1,082	0.63 0.28 15	6.20 2.39 15	86.7 9.09 15	4,968 1,733.13 1,082	9.87 2.41 15	503.47 129.51 43	34.9 7.35 43
4	ESTIMATE (SE) N	0 0.00 1,082	- - -	- - -	- - -	0 0.00 1,082	- - -	0 0.00 43	0.0 0.00 43
5	ESTIMATE (SE) N	168 100.61 1,082	0.63 0.35 3	1.67 0.33 3	100.0 0.00 3	269 206.84 1,082	2.67 1.67 3	101 58.08 43	6.98 3.93 43
6	ESTIMATE (SE) N	0 0.00 1,082	- - -	- - -	- - -	0 0.00 1,082	- - -	0 0.00 43	0.0 0.00 43
STATEWIDE	ESTIMATE (SE) N	14,253 3,550.78 1,088	0.79 0.18 45	8.04 1.99 45	91.1 4.29 45	15,231 3,442.98 1,088	10.20 1.76 45	1,502 219.34 1,088	4.14 0.60 1,088

TABLE 14. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF RED FOX HUNTING IN MISSISSIPPI DURING THE 2007-08 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	-	-	-
	(SE)	0.00	-	-	-	0.00	-	-	-
2	N	1,084	-	-	-	1,084	-	-	-
	ESTIMATE	0	-	-	-	0	-	-	-
	(SE)	0.00	-	-	-	0.00	-	-	-
	N	1,084	-	-	-	1,084	-	-	-
3	ESTIMATE	0	-	-	-	0	-	-	-
	(SE)	0.00	-	-	-	0.00	-	-	-
	N	1,084	-	-	-	1,084	-	-	-
	ESTIMATE	0	-	-	-	0	-	-	-
4	(SE)	0.00	-	-	-	0.00	-	-	-
	N	1,084	-	-	-	1,084	-	-	-
	ESTIMATE	0	-	-	-	0	-	-	-
	(SE)	0.00	-	-	-	0.00	-	-	-
	N	1,084	-	-	-	1,084	-	-	-
	ESTIMATE	0	-	-	-	0	-	-	-
5	(SE)	0.00	-	-	-	0.00	-	-	-
	N	1,084	-	-	-	1,084	-	-	-
	ESTIMATE	0	-	-	-	0	-	-	-
	(SE)	0.00	-	-	-	0.00	-	-	-
	N	1,084	-	-	-	1,084	-	-	-
	ESTIMATE	0	-	-	-	0	-	-	-
6	(SE)	0.00	-	-	-	0.00	-	-	-
	N	1,084	-	-	-	1,084	-	-	-
STATEWIDE	ESTIMATE	0	0.00	0.00	0.0	0	0.00	0	0.0
	(SE)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	N	1,088	0	0	0	1,088	0	1,088	1,088

TABLE 15. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF GRAY FOX HUNTING IN MISSISSIPPI DURING THE 2007-08 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 1,084	- - -	- - -	- - -	0 0.00 1,083	- - -	0 0.00 2	0.0 0.00 2
2	ESTIMATE (SE) N	0 0.00 1,084	- - -	- - -	- - -	0 0.00 1,083	- - -	0 0.00 2	0.0 0.00 2
3	ESTIMATE (SE) N	0 0.00 1,084	- - -	- - -	- - -	0 0.00 1,083	- - -	0 0.00 2	0.0 0.00 2
4	ESTIMATE (SE) N	0 0.00 1,084	- - -	- - -	- - -	0 0.00 1,083	- - -	0 0.00 2	0.0 0.00 2
5	ESTIMATE (SE) N	67 47.36 1,084	0.03 1 -	1.00 0.00 2	1.00 0.00 -	1,174 1,173.68 1,083	35.00 1 -	67 47.36 2	100.0 0.00 2
6	ESTIMATE (SE) N	0 0.00 1,084	- - -	- - -	- - -	0 0.00 1,083	- - -	0 0.00 2	0.0 0.00 2
STATEWIDE	ESTIMATE (SE) N	67 47.18 1,088	0.03 0.00 1	1.00 0.00 2	100.0 0.00 2	1,169 1,169.36 1,088	35.00 0.00 1	67 47.18 1,088	0.2 0.13 1,088

TABLE 16. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF BOBCAT IN MISSISSIPPI DURING THE 2007-08 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 1,084	- - -	- - -	- - -	0 0.00 1,076	- - -	0 0.00 7	0.0 0.00 7
2	ESTIMATE (SE) N	34 33.50 1,081	1.00 - 1	1.00 - 1	1.00 - 1	34 33.56 1,082	1.00 - 1	34 33.50 7	14.3 14.29 7
3	ESTIMATE (SE) N	0 0.00 1,084	0.00 1 -	0.00 1 -	0.0 1 -	134 134.26 1,082	4.00 - 1	34 33.50 7	14.3 14.29 7
4	ESTIMATE (SE) N	0 0.00 1,084	- - -	- - -	- - -	0 0.00 1,082	- - -	0 0.00 7	0.0 0.00 7
5	ESTIMATE (SE) N	168 111.05 1,084	0.09 0.17 2	1.25 0.63 4	75.0 25.00 4	369 337.29 1,082	5.50 4.50 2	134 66.91 7	57.1 20.20 7
6	ESTIMATE (SE) N	34 33.50 1,084	0.04 - 1	1.00 - 1	100.0 - 1	839 839.12 1,082	25.00 - 1	34 33.50 7	14.3 14.29 7
STATEWIDE	ESTIMATE (SE) N	234 120.20 1,088	0.07 0.05 5	1.00 0.38 7	71.4 0.18 7	1,371 911.01 1,086	8.20 4.51 5	234 88.70 1,088	0.6 0.24 1,088

TABLE 17. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF COYOTE HUNTING DURING THE 2007-08 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	34 33.60 1,081	- - -	1.00 - 1	100.0 - 1	0 0.00 1,076	- - -	34 33.60 16	6.3 6.25 16
2	ESTIMATE (SE) N	134 94.98 1,081	0.80 0.16 2	2.00 0.00 2	100.0 0.00 2	169 121.64 1,076	2.50 0.50 2	67 47.49 16	12.5 8.54 16
3	ESTIMATE (SE) N	0 0.00 1,081	0.00 - 1	0.00 - 1	0.0 - 1	68 67.50 1,076	2.00 - 1	34 33.60 16	6.3 6.25 16
4	ESTIMATE (SE) N	0 0.00 1,081	- - -	- - -	- - -	0 0.00 1,076	- - -	0 0.00 16	0.0 0.00 16
5	ESTIMATE (SE) N	470 164.04 1,081	0.09 0.53 8	1.17 0.24 12	83.3 11.24 12	2,734 1,766.56 1,076	10.13 5.86 8	403 115.79 16	75.0 11.18 16
6	ESTIMATE (SE) N	34 33.50 1,084	- - -	- - -	- - -	0 0.00 1,076	- - -	0 0.00 16	0.0 0.00 16
STATEWIDE	ESTIMATE (SE) N	801 220.18 1,088	0.13 0.07 11	1.26 0.20 19	84.2 8.60 19	2,959 1,765.13 1,080	8.00 4.32 11	634 144.29 1,088	1.8 0.40 1,088

TABLE 18. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF ARCHERY DEER HUNTING IN MISSISSIPPI DURING THE 2007-08 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	235 111.00 762	0.10 0.03 5	1.17 0.31 6	83.3 16.67 6	1,666 800.44 752	9.80 1.96 5	201 81.90 127	4.7 1.89 127
2	ESTIMATE (SE) N	369 173.90 762	0.11 0.03 10	1.00 0.38 11	45.5 15.75 11	2,821 1,279.84 752	8.30 2.86 10	369 110.52 127	8.7 2.51 127
3	ESTIMATE (SE) N	335 141.89 762	0.08 0.02 12	0.71 0.24 14	50.0 13.30 14	3,297 1,290.04 752	8.08 2.25 12	470 124.44 127	11.0 2.79 127
4	ESTIMATE (SE) N	134 66.96 762	0.06 0.03 10	0.36 0.15 11	36.4 15.12 11	1,082 674.51 752	5.30 1.14 10	369 110.52 127	8.7 2.51 127
5	ESTIMATE (SE) N	1,946 341.63 762	0.06 0.01 78	0.70 0.10 83	48.2 5.52 83	29,504 4,278.40 752	11.13 1.09 78	2,784 288.67 127	65.4 4.24 127
6	ESTIMATE (SE) N	0 0.00 762	0.00 - 1	0.00 - 1	0.00 - 1	340 339.91 752	10.00 - 1	34 33.54 127	0.8 0.79 127
STATEWIDE	ESTIMATE (SE) N	3,415 439.16 771	0.07 0.01 119	0.76 0.08 136	51.5 4.30 136	40,918 4,760.22 754	10.14 0.82 119	4,509 351.10 771	17.6 1.37 771

TABLE 19. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF ARCHERY BUCK AND DOE HUNTING IN MISSISSIPPI DURING THE 2007-08 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 (SE) N	134 66.96 762	0.06 0.03 5	0.67 0.21 6	66.7 21.08 6	101 58.02 762	0.04 0.02 5	0.50 0.22 6	50.0 22.36 6
2	ESTIMATE (SE) N	101 58.02 762	0.02 0.02 10	0.27 0.14 11	27.3 0.14 11	269 133.91 762	0.08 0.02 10	0.73 0.30 11	45.5 15.75 11
3	ESTIMATE (SE) N	101 58.02 762	0.02 0.01 12	0.21 0.11 14	21.4 11.38 14	235 120.73 762	0.06 0.02 12	0.50 0.23 14	35.7 13.29 14
4	ESTIMATE (SE) N	101 58.02 762	0.04 0.03 10	0.27 0.14 11	27.3 14.08 11	34 33.54 762	0.02 0.02 10	0.09 0.09 11	9.1 9.09 11
5	ESTIMATE (SE) N	470 124.44 762	0.01 <0.01 78	0.17 0.04 83	16.9 0.04 83	1,476 295.42 762	0.04 0.01 78	0.53 0.09 83	38.6 5.38 83
6	ESTIMATE (SE) N	0 0.00 762	0.00 - 1	0.00 - 1	0.0 - 1	0 0.00 762	0.00 - 1	0.00 - 1	0.0 - 1
STATEWIDE	ESTIMATE (SE) N	995 178.13 771	0.02 <0.01 119	0.22 0.04 136	22.1 3.57 136	2,420 366.56 771	0.05 0.01 119	0.54 0.07 136	39.0 4.20 136

TABLE 20. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF PRIMATIVE WEAPON DEER HUNTING IN MISSISSIPPI DURING THE 2007-08 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	170 89.78 752	0.12 0.06 7	0.71 0.29 7	57.1 20.20 7	1,416 579.14 740	5.86 1.01 7	237.93 89.57 180	3.9 1.44 180
2	ESTIMATE (SE) N	510 237.37 752	0.17 0.07 15	0.94 0.38 16	50.0 12.91 16	2,832 884.57 740	5.47 1.01 15	544 134.60 180	8.9 2.51 180
3	ESTIMATE (SE) N	238 112.47 752	0.07 0.04 11	0.64 0.24 11	45.5 15.75 11	3,316 1,375.48 740	8.73 2.63 11	374 111.98 180	6.1 1.79 180
4	ESTIMATE (SE) N	374 111.98 752	0.07 0.01 15	0.65 0.12 17	64.7 11.95 17	4,732 1,618.17 740	9.13 2.14 15	578 138.65 180	9.4 2.19 180
5	ESTIMATE (SE) N	2,889 392.84 752	0.08 0.01 110	0.71 0.08 119	52.1 4.60 119	29,050 3,659.22 740	7.65 0.69 110	4,045 340.42 180	66.1 3.54 180
6	ESTIMATE (SE) N	272 135.69 752	0.08 0.02 10	0.80 0.33 10	50.0 16.67 10	3,454 1,570.53 740	10.00 3.46 10	340 106.84 180	5.6 1.71 180
STATEWIDE	ESTIMATE (SE) N	4,973 516.95 771	0.09 0.01 178	0.75 0.06 199	54.3 3.54 199	46,248 4,454.17 750	7.62 0.54 178	6,597 403.09 771	25.8 1.58 771

TABLE 21. EXPANDED STATEWIDE AND DISTRICT OF PRIMITIVE WEAPON BUCK AND DOE HUNTING IN MISSISSIPPI DURING THE 2007-08 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 (SE) N	136 67.85 752	0.10 0.04 7	0.57 0.20 7	57.1 0.20 7	34 33.99 752	0.02 0.03 7	0.14 0.14 7	14.3 14.29 7
2	ESTIMATE (SE) N	272 126.88 752	0.09 0.04 15	0.50 0.20 16	37.5 12.50 16	238 131.45 752	0.09 0.04 15	0.44 0.22 16	25.0 11.2 16
3	ESTIMATE (SE) N	34 33.99 752	0.01 0.01 11	0.09 0.09 11	9.1 9.09 11	204 95.92 752	0.06 0.03 11	0.55 0.21 11	45.5 15.75 11
4	ESTIMATE (SE) N	136 67.85 752	0.03 0.01 15	0.24 0.11 17	23.5 10.61 17	238 89.57 752	0.04 0.01 15	0.41 0.12 17	41.2 12.30 17
5	ESTIMATE (SE) N	1,292 220.64 752	0.04 0.01 110	0.32 0.05 119	29.4 4.20 119	1,598 267.96 752	0.04 0.01 110	0.40 0.06 119	31.9 4.30 119
6	ESTIMATE (SE) N	170 112.64 752	0.05 0.02 10	0.50 0.31 10	30.0 15.28 10	102 58.80 752	0.03 0.02 10	0.30 0.15 10	30.0 15.28 10
STATEWIDE	ESTIMATE (SE) N	2,254 300.41 771	0.04 0.01 178	0.34 0.04 199	30.2 3.26 199	2,719 346.80 771	0.05 0.01 178	0.41 0.05 199	33.2 3.35 199

TABLE 22. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF REGULAR GUN DEER HUNTING IN MISSISSIPPI DURING THE 2007-08 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	1,312 327.27 721	0.12 0.03 35	1.00 0.19 37	56.8 0.08 37	9,710 2,238.57 666	7.23 1.18 35	1,312 210.19 466	7.9 1.25 466
2	ESTIMATE (SE) N	2,340 465.22 721	0.12 0.03 39	1.47 0.20 45	71.1 6.83 45	16,618 3,923.24 666	11.10 1.99 39	1,595 230.44 466	9.66 1.37 466
3	ESTIMATE (SE) N	1,914 365.18 721	0.11 0.02 40	1.23 0.15 44	72.7 6.79 44	16,926 3,393.25 666	11.03 1.44 40	1,560 228.03 466	9.44 1.36 466
4	ESTIMATE (SE) N	1,914 358.22 721	0.10 0.02 44	1.06 0.14 51	70.6 6.44 51	18,307 3,579.51 666	10.84 1.43 44	1,808 244.23 466	10.9 1.45 466
5	ESTIMATE (SE) N	12,337 947.99 721	0.07 <0.01 239	1.28 0.08 272	69.1 2.81 272	147,916 9,905.41 666	16.13 0.68 239	9,643 461.73 466	58.4 2.29 466
6	ESTIMATE (SE) N	567 193.16 721	0.05 0.02 14	0.94 0.23 17	58.8 12.3 17	8,789 2,738.70 666	16.36 2.79 14	603 144.54 466	3.65 0.87 466
STATEWIDE	ESTIMATE (SE) N	22,146 1,096.89 771	0.08 <0.01 426	1.29 0.06 516	70.3 0.02 516	221,191 10,694.33 681	13.83 0.53 426	17,107 433.38 771	66.9 0.02 771

TABLE 23. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF REGULAR GUN BUCK AND DOE HUNTING IN MISSISSIPPI DURING THE 2007-08 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 (SE) N	603 153.00 721	0.06 0.02 35	0.46 0.09 37	43.2 8.26 37	709 228.39 721	0.06 0.02 35	0.54 0.15 37	0.32 7.80 37
2	ESTIMATE (SE) N	1,028 240.18 721	0.06 0.01 39	0.64 0.12 45	46.7 7.52 45	1,312 307.45 721	0.07 0.02 39	0.82 0.15 45	46.7 7.52 45
3	ESTIMATE (SE) N	1,064 237.33 721	0.06 0.01 40	0.68 0.12 44	52.3 7.62 44	851 204.42 721	0.05 0.01 40	0.55 0.11 44	43.2 7.55 44
4	ESTIMATE (SE) N	993 203.53 721	0.05 0.01 44	0.55 0.09 51	49.0 7.07 51	922 248.50 721	0.05 0.01 44	0.51 0.12 51	35.3 6.76 51
5	ESTIMATE (SE) N	6,736 582.87 721	0.04 <0.01 239	0.70 0.05 272	51.8 3.04 272	5,601 560.24 721	0.04 <0.01 239	0.58 0.05 272	69.1 2.81 272
6	ESTIMATE (SE) N	248 106.03 721	0.03 0.01 14	0.41 0.15 17	35.3 11.95 17	319 127.36 721	0.05 0.02 14	0.53 0.17 17	41.2 12.30 17
STATEWIDE	ESTIMATE (SE) N	11,405 653.90 771	0.04 <0.01 426	0.67 0.03 516	51.4 0.02 516	10,742 731.23 771	0.04 <0.01 426	0.63 0.04 516	41.3 0.02 516

TABLE 24. EXPANDED STATEWIDE AD DISTRICT SUMMARIES OF SPRING TURKEY HUNTING IN MISSISSIPPI DURING THE 2007-08 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	33	0.06	0.17	16.7	605	3.00	200	5.8
	(SE)	33.41	0.06	0.17	16.67	250.56	0.26	81.58	2.3
	N	765	6	6	6	761	6	104	104
2	ESTIMATE	434	0.13	0.76	47.1	3,057	5.69	568	16.3
	(SE)	166.43	0.03	0.24	12.48	963.71	1.15	136.31	3.64
	N	765	16	17	17	761	16	104	104
3	ESTIMATE	200	0.10	0.67	33.3	2,015	6.67	301	8.64
	(SE)	115.59	0.04	0.33	16.67	787.72	1.46	99.71	2.77
	N	765	9	9	9	761	9	104	104
4	ESTIMATE	100	0.08	0.60	60.0	1,344	8.00	167	4.8
	(SE)	57.80	0.06	0.24	24.50	757.47	3.08	74.52	2.11
	N	765	5	5	5	761	5	104	104
5	ESTIMATE	1,036	0.05	0.49	31.8	14,846	7.37	2,105	60.6
	(SE)	254.07	0.01	0.11	5.91	2,377.42	0.75	254.22	4.82
	N	765	60	63	63	761	60	104	104
6	ESTIMATE	167	0.10	1.25	50.0	1,646	12.25	134	3.85
	(SE)	120.40	0.03	0.75	28.87	991.29	4.77	66.70	1.90
	N	765	4	4	4	761	4	104	104
STATEWIDE	ESTIMATE	2,122	0.07	0.58	37.3	17,223	6.89	3,647	14.3
	(SE)	355.27	0.01	0.08	4.63	2,104.72	0.56	322.16	1.26
	N	771	102	110	110	1,076	102	771	771

TABLE 25. EXPANDED STATEWIDE AND DISTRICT SUMMARIES OF FALL TURKEY HUNTING IN MISSISSIPPI DURING THE 2006-07 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	0	0.00	0.00	0.0	630	9.50	66.31	20.0
	(SE)	0.00	0.00	0.00	0.00	492.65	4.50	46.86	13.33
	N	771	2	2	2	771	2	10	10
5	ESTIMATE	66	0.06	0.33	16.7	14,486	5.83	198.92	60.0
	(SE)	66.31	0.05	0.33	16.67	2,377.42	1.89	80.94	16.33
	N	771	6	6	6	771	6	10	10
STATEWIDE	ESTIMATE	66	0.03	0.20	10.0	2,055	6.20	332	1.3
	(SE)	66.31	0.03	0.20	10.00	785.76	1.42	104.23	<0.01
	N	771	10	10	10	771	10	771	771

(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 '06 AND SPRING '07) HUNTING IN MISSISSIPPI DURING THE 2006-07 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	30,534	0.08	1.63	74.1	318,718	17.97	18,698	73.2
	(SE)	1379.37	<0.01	0.06	0.02	16,007.60	0.77	408,228	1.60
BUCK	N	771	469	564	564	676	469	771	771
	ESTIMATE	14,654	0.04	0.78	55.0	318,718	17.97	18,698	73.2
DOE	(SE)	774.19	<0.01	0.04	2.10	16,007.60	0.77	408,228	1.60
	N	771	469	564	564	676	469	771	771
TURKEY	ESTIMATE	15,880	0.05	0.85	49.6	318,718	17.97	18,698	73.2
	(SE)	929.72	<0.01	0.05	2.11	16,007.60	0.77	408,228	1.60
	N	771	469	564	564	676	469	771	771
	ESTIMATE	2,188	0.07	0.56	35.9	25,628	6.90	3,879	15.2
	(SE)	360.90	0.01	0.08	4.54	3,020.76	0.54	330.49	1.29
	N	771	109	117	117	763	114	771	771

(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 2007-08 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	34 33.60 1,081	0.25 - 1	1.00 - 1	100.0 - 1	135 134.63 1,079	4.00 - 1	34 33.60 28	3.57 3.57 28
2	ESTIMATE (SE) N	101 58.14 1,081	1.00 0.00 3	1.00 0.00 3	100.0 0.00 3	101 58.24 1,079	1.00 0.00 3	101 58.14 28	10.71 5.95 28
3	ESTIMATE (SE) N	67 67.19 1,081	0.40 0.37 3	0.67 0.67 3	33.3 33.33 3	168 100.89 1,079	1.67 0.33 3	101 58.14 28	10.71 5.95 28
4	ESTIMATE (SE) N	0 0.00 1,081	- - -	- - -	- - -	0 0.00 1,079	- - -	0 0.00 28	0.0 0.00 28
5	ESTIMATE (SE) N	4,031 2,159.16 1,081	0.36 0.18 18	6.00 3.00 20	85.0 8.19 20	10,771 3,346.61 1,079	17.78 3.74 18	672 148.92 28	71.4 8.69 28
6	ESTIMATE (SE) N	34 33.60 1,081	0.03 - 1	1.00 - 1	100.0 - 1	1,346 1,346.32 1,079	40.00 - 1	34 33.60 28	3.6 3.57 28
STATEWIDE	ESTIMATE (SE) N	5,274 2,306.20 1,088	0.32 0.15 27	5.10 2.07 31	83.9 6.72 31	12,999 3,628.20 1,084	14.37 2.99 27	1,035 183.27 1,088	2.8 0.01 1,088

Summary of Responses to Opinion Questions for 2007-2008

Table 28. Percent of respondents by their age category (Q25)

Age Category	Frequency	Percent
18-20	10	1.1
21-25	36	3.9
26-30	40	4.3
31-35	59	6.4
36-40	102	11.1
41-45	118	12.8
46-50	127	13.8
51-55	105	11.4
56-60	139	15.1
61-65	94	10.3
66-70	40	4.3
>71	43	4.7
TOTAL	920	100.0

n missing = 41

Mean age of hunter = 48.6

Table 29. Percent of respondents by their gender category (Q26)

Gender Category	Frequency	Percent
MALE	891	98.0
FEMALE	18	2.0
TOTAL	909	100.0

n missing = 52

Table 30. Percent of respondents by their approximate annual household income category before taxes (Q28)

Income Category	Frequency	Percent
Under 10,000	14	1.7
10,000-19,000	12	1.4
20,000-29,000	21	2.5
30,000-39,000	37	4.4
40,000-49,000	42	5.0
50,000-59,000	72	8.6
60,000-69,000	69	8.2
70,000-79,000	71	8.5
80,000-89,000	59	7.0
90,000-99,000	54	6.4
100,000 and above	389	46.3
TOTAL	840	100.0

n missing = 121

Table 31. Percent of respondents by their highest completed level of education (Q29)

Education Category	Frequency	Percent
Elementary	10	1.1
High School	279	30.6
College	472	51.7
Graduate School	152	16.7
TOTAL	913	100.0

n missing = 48

Table 32. Percent of respondents by their race (Q30)

Race Category	Frequency	Percent
WHITE OR ANGLO	873	95.9
BLACK OR AFRICAN AMERICAN	21	2.3
LATINOS OR HISPANICS	1	0.1
NATIVE AMERICAN OR ALASKAN NATIVE	4	0.4
ASIAN OR PACIFIC ISLANDER	1	0.1
OTHER	9	1.0
TOTAL	910	100.0

n missing = 51

Appendix A

Questionnaire: 2007-08 Survey of Mississippi Non-Resident Hunters

Survey of Mississippi Resident & Nonresident 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

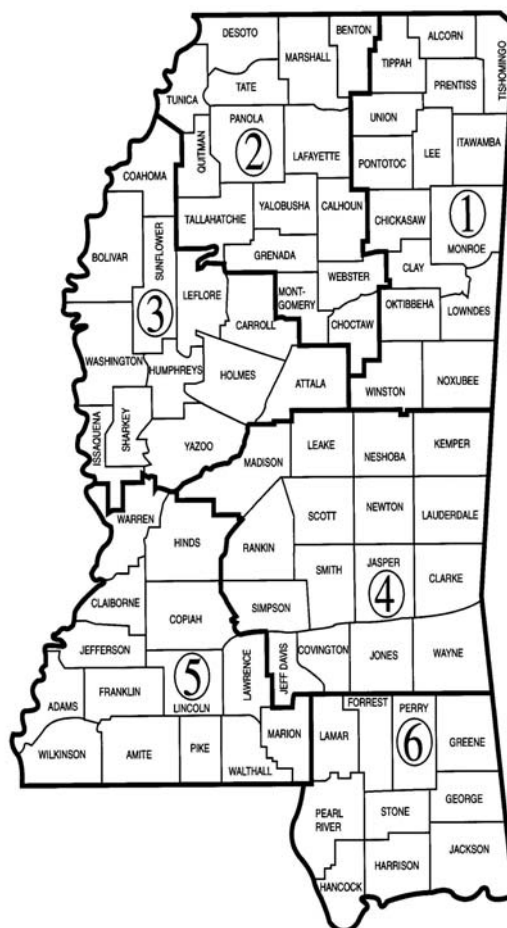
1. For the **2007-2008** hunting season, please fill in the blocks below for each game, furbearer, or predatory species you hunted during the hunting season (even if you were unsuccessful). If you hunted more than one species on a particular day, count a day for each species you hunted. Report only game, furbearer, or predatory species taken by you in Mississippi.

Species Sought	Total harvested in Mississippi in 2007-08 season	Days hunted species in Mississippi in 2007-08 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 2007)					
Turkey (Spring 2008)					

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



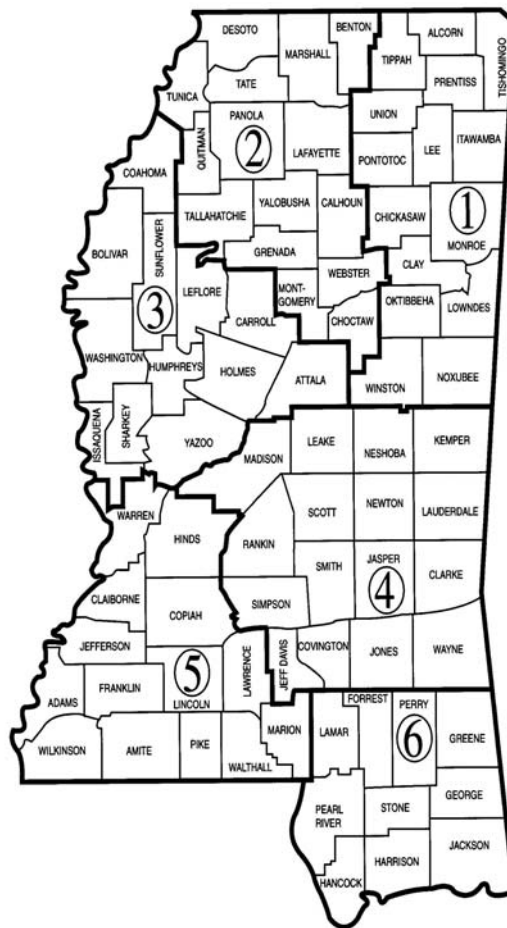
2. For the **2006-2007** hunting season, please fill in the blocks below for each game, furbearer, or predatory species you hunted during the hunting season (even if you were unsuccessful). If you hunted more than one species on a particular day, count a day for each species you hunted. Report only game, furbearer, or predatory species taken by you in Mississippi.

Species Sought	Total harvested in Mississippi in 2006-07 season	Days hunted species in Mississippi in 2006-07 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 2006)				
Turkey (Spring 2007)				

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



This section of the survey relates to the Mississippi Department of Wildlife, Fisheries, and Parks (MDWFP). The questions asked are about the agency as a whole. The information you provide will remain strictly confidential and you will not be identified with your answers.

Questions #3-9 pertain to your overall perception, satisfaction, and knowledge of the Mississippi Department of Wildlife, Fisheries, and Parks website.

3. Have you ever visited the MDWFP website?

- 1 YES
2 NO – (If NO, please go to Question #10 on Page 4)

4. If YES, how many days have you visited the MDWFP website in the **past 12 months**?

_____ DAYS

5. Which of the following sections of the MDWFP website do you regularly seek?
(Please check all that apply)

- ☐ a) Fishing and Boating
☐ b) Parks and Destinations
☐ c) Wildlife and Hunting
☐ d) License and Law Enforcement

☐ e) Mississippi Museum of Natural Science
☐ f) Press Releases
☐ g) Public Notices
☐ h) Other (Please Specify:_____)

6. Out of your responses in **Question #5 (a-h)**, which section of the MDWFP website do you explore the most? (Please circle only one)

a b c d e f g h

7. How satisfied are you with the following characteristics of the MDWFP website?

	Not at all Satisfied	Slightly Satisfied	Moderately Satisfied	Very Satisfied	Extremely Satisfied
a) Visual appeal	1	2	3	4	5
b) Ability to find information you need	1	2	3	4	5
c) Ease of use	1	2	3	4	5
d) Readability	1	2	3	4	5

8. Have you ever voted on the MDWFP opinion polls?

- 1 YES
- 2 NO

9. Have you ever participated in any of the following interactive forums available on the MDWFP website?

- | | | |
|------------------------|-----|----|
| a) Hunting | YES | NO |
| b) Fishing | YES | NO |
| c) Shooting | YES | NO |
| d) Non-game activities | YES | NO |

Question #10 pertains to your overall perception and knowledge of publications and media productions provided by the Mississippi Department of Wildlife, Fisheries, and Parks.

10. Please indicate whether you have used any of the following current or former MDWFP publications or media productions, and, if YES, in general please indicate how useful the publication or production was to your particular natural resources-related information needs.

	Have you ever used or viewed?		How useful was it to you?				
			Not at all Useful	Slightly Useful	Moderately Useful	Very Useful	Extremely Useful
a) "Mississippi Outdoors" Magazine	NO	YES	1	2	3	4	5
b) "Outdoor Digest"	NO	YES	1	2	3	4	5
c) "Mississippi Outdoors" television program on PBS	NO	YES	1	2	3	4	5
d) "Mississippi Outdoors" radio program	NO	YES	1	2	3	4	5
e) Comprehensive Wildlife Management Strategy Report	NO	YES	1	2	3	4	5
f) The MDWFP Website	NO	YES	1	2	3	4	5

This section of the survey relates to the Mississippi Department of Wildlife, Fisheries, and Parks (MDWFP) Wildlife Bureau (formerly called the Wildlife Division). The questions asked are about the **Wildlife Bureau only**.

Questions #11-22 relate to your overall perception, attitudes, and knowledge of the Information and Education (I & E) programs and services offered by the MDWFP Wildlife Bureau. Some questions also assess your use and opinion of MDWFP Wildlife Bureau employee resources and specific wildlife issues in Mississippi. For the purpose of this survey, an "Information and Education (I & E) Program" is defined as any publication, workshop, training session, or material that increases knowledge, skill, or awareness about a particular wildlife management issue. It is not our intention to study formal education programs such as "Hunter Education", currently required for those persons born on or after January 1, 1972.

11. Information and Education is very important to the MDWFP Wildlife Bureau. In terms of Information and Education, please rank the following wildlife issues in order from 1 to 7 according to how you feel they should be prioritized by the MDWFP Wildlife Bureau for an Information and Education program. Place a "1" next to the issue that is most important to you, a "2" next to the issue that is next most important to you, ... and a "7" next to the issue that is least important to you. *See example below as an illustration. The example does not indicate how you should respond to this question.*

	<i>Example</i>
_____ Wildlife baiting	<u>4</u> Wildlife baiting
_____ Habitat protection and restoration	<u>3</u> Habitat protection and restoration
_____ The future of hunting in Mississippi	<u>1</u> The future of hunting in Mississippi
_____ Providing technical and public guidance	<u>7</u> Providing technical and public guidance
_____ Wildlife diseases	<u>2</u> Wildlife diseases
_____ Educating hunters on wildlife and management issues	<u>5</u> Educating hunters on wildlife and management issues
_____ An improved tagging and reporting system	<u>6</u> An improved tagging and reporting system

12. Please tell us how you feel about the current staff of the MDWFP Wildlife Bureau.

Do you believe the employees are	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
a) Knowledgeable	1	2	3	4	5
b) Trustworthy	1	2	3	4	5
c) Competent	1	2	3	4	5
d) Courteous	1	2	3	4	5
e) Professional	1	2	3	4	5

13. How many **times** have you contacted the MDWFP Wildlife Bureau through the following methods **in the past 12 months?**

- a) Telephone _____ TIMES
- b) In-Person _____ TIMES
- c) Email _____ TIMES
- d) Regular Mail/Fax _____ TIMES

14. How satisfied are you with the following materials or services provided by the MDWFP Wildlife Bureau? If you have never used the listed materials or services, please circle N/A under "Not Applicable".

	Not Applicable	Not at all Satisfied	Slightly Satisfied	Moderately Satisfied	Very Satisfied	Extremely Satisfied
a) Printed information and education material	N/A	1	2	3	4	5
b) Video and audio information and education material	N/A	1	2	3	4	5
c) Website information	N/A	1	2	3	4	5
d) Workshops and field days	N/A	1	2	3	4	5
e) Wildlife management	N/A	1	2	3	4	5
f) Hunter assistance	N/A	1	2	3	4	5

15. How do you feel the MDWFP Wildlife Bureau is doing in providing

	Very Poor	Poor	Fair	Good	Very Good
a) Current information	1	2	3	4	5
b) Accurate information	1	2	3	4	5
c) Useful information	1	2	3	4	5
d) Valuable educational services.....	1	2	3	4	5
e) Effective hunting regulations.....	1	2	3	4	5
f) Opportunities for public participation.....	1	2	3	4	5
g) Wildlife technical guidance	1	2	3	4	5

16. How familiar are you with the following current or former MDWFP Wildlife Bureau programs and regulations?
If you are not aware of any of the items listed below, please circle 1 for “Not at all Familiar”.

		Not at all Familiar	Slightly Familiar	Moderately Familiar	Very Familiar	Extremely Familiar
a)	Landowner Incentive Program (LIP)	1	2	3	4	5
b)	Dove Field Program	1	2	3	4	5
c)	Mallard Tracking Program	1	2	3	4	5
d)	Wildlife Conservation Plan	1	2	3	4	5
e)	Wildlife Technical Guidance	1	2	3	4	5
f)	Specific Hunting Regulations	1	2	3	4	5
g)	Online Wildlife Forums	1	2	3	4	5
h)	Online Wildlife Polls	1	2	3	4	5
i)	Deer Management Assistance Program (DMAP)	1	2	3	4	5
j)	Spring Gobbler Hunter Survey	1	2	3	4	5
k)	Private Lands Habitat Program	1	2	3	4	5

17. Please indicate whether you have used any of the following MDWFP Wildlife Bureau publications, and, if YES, in general please indicate how useful the publication was to your particular natural resources information needs.

Have you ever used or viewed?			How useful was it to you?				
			Not at all Useful	Slightly Useful	Moderately Useful	Very Useful	Extremely Useful
a)	“Wildlife Issues” Newsletter	NO YES	1	2	3	4	5
b)	Deer Program Reports	NO YES	1	2	3	4	5
c)	“Spittin’ and Drummin” Turkey Program Reports	NO YES	1	2	3	4	5
d)	Small Game Program Reports	NO YES	1	2	3	4	5
e)	Informational pamphlets regarding a specific wildlife issue	NO YES	1	2	3	4	5
f)	The Wildlife and Hunting portion of the MDWFP website	NO YES	1	2	3	4	5

18. Have you ever participated in or sponsored the following MDWFP Wildlife Bureau activities?

- | | | |
|--|-----|----|
| a) Landowner Incentive Program (LIP) | YES | NO |
| b) Deer Management Assistance Program (DMAP) | YES | NO |
| c) Wildlife Field Days and Workshops | YES | NO |
| d) Spring Gobbler Hunter Survey | YES | NO |
| e) Private Lands Habitat Program | YES | NO |

19. How do you prefer to receive information about wildlife-related issues? *(Please check only one)*

- | | |
|---|---|
| ☐ Radio | ☐ Mailed Newsletters |
| ☐ Printed Material | ☐ Workshops/Short Courses |
| ☐ Website | ☐ Personal Contact |
| ☐ Email | ☐ Television Programs and Advertisements |

20. What types of information do you regularly seek from the MDWFP Wildlife Bureau? *(Please check all that apply)*

- ☐ a) General Wildlife Information
- ☐ b) Technical Guidance Regarding Habitat Information
- ☐ c) Technical Guidance Regarding Population Information
- ☐ d) Regulations Concerning Nuisance Wildlife Problems
- ☐ e) State Regulations on Hunting
- ☐ f) Contact or Employee Information
- ☐ g) Hunter Education Services
- ☐ h) Hunting User Fees
- ☐ i) Regulations and Fees for Wildlife Management Areas (WMA)
- ☐ j) Regulations about Field Trials
- ☐ k) Check for Upcoming Events, Field Days, Workshops
- ☐ l) Trapping and Fur Dealing Regulations
- ☐ m) Learn how to Become Involved or Volunteer with the MDWFP
- ☐ n) Other *(Please Specify: _____)*

21. Out of your responses in **Question #20 (a-n)**, which one is your most important information need? *(Please circle only one)*

a b c d e f g h i j k l m n

22. The MDWFP Wildlife Bureau is interested in knowing how well the public understands the Bureau's roles, activities, and services. Please check the boxes of the activities and services that you believe are under the direct authority of the MDWFP Wildlife Bureau. ***(Please check all that you believe are under the direct authority of the MDWFP Wildlife Bureau)***

- ☐ Enforcing fisheries and wildlife laws
- ☐ Developing recommendations for statewide hunting regulations
- ☐ Educating the public about wildlife issues
- ☐ Leasing mineral resources
- ☐ Controlling forest fires

- ☐ Protecting rare, threatened, and endangered species
- ☐ Removing dead animal carcasses from the road
- ☐ Monitoring air and water quality
- ☐ Stocking Mississippi waters with fish
- ☐ Managing Mississippi Wildlife Management Areas (WMA)

- ☐ Assisting with natural disaster clean-up
- ☐ Controlling nuisance wildlife
- ☐ Implementing prescribed burns
- ☐ Managing state park lands
- ☐ Providing wildlife management assistance to hunters and landowners

23. Overall, how satisfied are you with the information and educational efforts of?

	Not at all Satisfied	Slightly Satisfied	Moderately Satisfied	Very Satisfied	Extremely Satisfied
a) The entire MDWFP Agency	1	2	3	4	5
b) The MDWFP Wildlife Bureau	1	2	3	4	5

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.

24. Compared to your other outdoor recreation activities (such as fishing, camping, golfing, etc...) would you rate

hunting as: **(Please circle only one answer)**

- 1 YOUR MOST IMPORTANT OUTDOOR ACTIVITY
- 2 YOUR SECOND MOST IMPORTANT OUTDOOR ACTIVITY
- 3 YOUR THIRD MOST IMPORTANT OUTDOOR ACTIVITY
- 4 NONE OF THE ABOVE

25. What is your age? _____ YEARS

26. Are you? 1 MALE
 2 FEMALE

27. In what county do you reside? _____ COUNTY

28. 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 | |

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

<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									

30. Would you best describe yourself as:

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

31. 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 the MDWFP Wildlife Bureau, hunting in Mississippi, or your wildlife-related Information and Education needs?

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
7/08

Appendix B

Survey correspondence with hunters for the 2007-08 Survey of Mississippi Non-Resident Hunters

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Mississippi State
UNIVERSITY

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

July 21, 2008

John Doe
123 Buck Drive
Fawn, MS 30759

Dear John:

I am writing to ask for your help in a study of Mississippi hunters. Each year I conduct the enclosed annual hunter harvest and attitude survey for the Wildlife Bureau of the Mississippi Department of Wildlife, Fisheries and Parks (MDWFP). We conduct this study to determine the demographic characteristics of hunters and the amount of game they harvested in Mississippi during the previous hunting season, and hunters attitudes toward important wildlife issues.

You were selected to participate in this study if you purchased a hunting or sportsman license in either the 2006-07 and/or 2007-08 hunting season. The enclosed survey is designed to tell us about your game harvest in the 2006-2007 (September 1, 2006 – May 1, 2007) and 2007-08 (September 1, 2007 – May 1, 2008) Mississippi hunting season. Please complete both harvest questions if you hunted in both years, or fill out only one if you did not hunt the other year. But, if you bought a hunting license but did not hunt in either 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.

In addition to harvest questions, MDWFP would like to know more about how well they are doing in meeting your needs in terms of wildlife information and education. MDWFP values your perspective and has funded this study to help understand how they can improve communication with hunters. 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 or just occasionally. 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 2008-09 hunting season is a safe and successful one.

Sincerely,

A handwritten signature in cursive script, appearing to read "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

August 11, 2008

John Doe
123 Buck Drive
Fawn, MS 30759

Dear John:

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 comments of people who have already returned their questionnaires included a wide variety of answers. However, the success and accuracy of our study depends on you and the others who have not yet responded. 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 2006-2007 and 2007-08 hunting seasons, and how well MDWFP is doing at meeting your wildlife information and education needs. Study results will help MDWFP in wildlife management plans, and understand how to better communicate with hunters. Although the survey is completely voluntary, we hope that you will take the 15-30 minutes necessary to provide your input and be a part of the wildlife management process. If you did not hunt in the 2006-2007 nor 2007-08 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. If you hunted in one or both years, please complete the appropriate harvest questions.

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 cursive script, appearing to read "Kevin M. Hunt".

Dr. Kevin M. Hunt, 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 8, 2008

John Doe
123 Buck Drive
Fawn, MS 30759

Dear John:

During the last two months, I have sent you several mailings involving a survey on Mississippi hunters. As of today, I have not yet received your completed questionnaire. If you have recently returned your survey, please accept my thanks.

The Mississippi Department of Wildlife, Fisheries, and Parks values your perspective of wildlife management and has funded this study to understand how to communicate better with hunters in the state. This study is drawing to a close, and this is the last contact that will be made with you. The success and accuracy of our study depends on you and the others who have not yet responded. If for some reason you prefer not to respond, please let me know by returning the blank questionnaire in the enclosed business reply envelope. Or, if you did not hunt in the 2006-2007 nor 2007-08 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.

If you choose to respond, the survey should take you no longer than 15-30 minutes to complete. Your responses will be strictly confidential, and you will not be identified with your answers. The survey has an identification number for mailing purposes only. Your answers will be grouped with other respondents in a non-identifiable manner, and there is no way for anyone outside of my laboratory to determine your identity. I will destroy the name and address list at the end of the study.

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 did not hunt waterfowl, please write that on the front cover and send it back to me so I can take your name off of the list. 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 and good luck during the upcoming hunting season.

Sincerely,

A handwritten signature in cursive script, appearing to read "Kevin M. Hunt".

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