

BIG CYPRESS NATIONAL PRESERVE

DEER AND HOG ANNUAL REPORT

2001-02

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EXECUTIVE SUMMARY

The 565,843-acre Big Cypress Wildlife Management Area (BCWMA) is located in what is known as the Big Cypress Swamp which lies in Collier, northern Monroe, and western Miami-Dade Counties. A large portion of the BCWMA boundary coincides with the authorized boundary of the Big Cypress National Preserve (BCNP). An additional 24,320 acres are owned by Miami-Dade County, and by agreement with the Florida Fish and Wildlife Conservation Commission (FWC), is included in the management area. Hardwood hammocks, cypress strands, pinelands, prairies, and sawgrass ponds are the major plant communities on the area. The area's wildlife populations are managed jointly by the FWC and National Park Service (NPS). Public hunting is a primary source of recreation on the BCWMA and white-tailed deer (*Odocoileus virginianus*) and wild hogs (*Sus scrofa*) are the most popular game animals pursued by hunters. This report has been prepared to provide information on the 2001-02 hunting season on the BCWMA.

Hunting pressure (15,435 man-days) during the 2001-02 hunting season increased 5.3% from 2000-01 (14,610 man-days) and was 5.5% higher than the prior five-year average (14,591 man-days). Hunting pressure increased in all units except the Bear Island and Loop units as compared to the 2000-01 season. Checked-deer harvest (253) for archery, muzzleloading and general gun seasons combined, was four deer (1.6 %) less than the previous year's harvest. Total checked-deer harvest for archery (11) and general gun seasons (164) were lower than the prior five-year average (21 and 185, respectively), while checked-deer harvest for the 2001-02 muzzleloading season (78) was higher than the previous five-year average (72). Deer harvest increased in the Bear Island, Corn Dance, and Loop units, but decreased in the Turner River, Deep Lake, and Stairsteps units as compared to the 2000-01 season. Total checked-hog harvest for the 2001-02 season (75) was 39.5% less than the 2000-01 season (124), and was 47.9% below the five-year average (144). Checked-hog harvest for this season was less than last season in the Corn Dance, Turner River, and Stairsteps Units, but was equal to last year's checked-hog harvest in the Bear

Island, Deep Lake, and Loop Units. Hunter success (game checked/man-day) in 2001-02 (0.021) was less than the previous five-year average (0.029).

Mean dressed weight (lbs.), mean antler beam circumference (cm), mean antler beam length (cm), mean spread (cm), and mean number of points for checked-deer in 2001-02 was 74.5, 6.7, 25.7, 21.5, and 5.2, respectively. Mean dressed weight (lbs.), shoulder height (cm), and mean body length (cm) for checked-hogs in 2001-02 was 89, 68, and 126, respectively.

Summary Table 1. Deer harvest totals, man-days of pressure, and percent hunter success (# deer/man-days X 100) for the 1996-2002 archery (A), muzzleloading (M) and general gun (GG) hunting seasons on the Big Cypress WMA.

Year	Harvest			Pressure			Success (%)		
	A	M	GG	A	M	GG	A	M	GG
96-97	16	72	183	1815	2215	11155	0.9	3.3	1.6
97-98	20	54	191	2130	2100	10180	0.94	2.6	1.8
98-99	21	82	243	2065	2135	13285	1.0	3.8	1.8
99-00 ¹	25	52	176	2510	1055	7690	1.0	4.9	2.3
00-01	25	102	130	2185	2495	9930	1.1	4.1	1.3
MEAN	21	72	185	2141	2000	10450	0.98	3.7	1.8
01-02	11	78	164	1655	2300	11480	0.7	3.4	1.4

Summary Table 2. Hog harvest totals, man-days of pressure, and percent hunter success (# deer/man-days X 100) for the 1996-2002 archery (A), muzzleloading (M) and general gun (GG) hunting seasons in the Big Cypress WMA.

Year	Harvest			Pressure			Success(%)		
	A	M	GG	A	M	GG	A	M	GG
96-97	21	34	119	1815	2215	11155	1.15	1.5	1.1
97-98	32	31	125	2130	2100	10180	1.5	1.5	1.23
98-99	8	29	110	2065	2135	13285	0.4	1.4	0.8
99-00 ¹	11	11	67	2510	1055	7690	0.4	1.0	0.9
00-01	7	30	87	2185	2495	9929	0.3	1.2	0.9
MEAN	16	27	102	2141	2000	10450	0.7	1.4	0.97
01-02	9	21	45	1655	2300	11480	0.5	0.9	0.4

¹ Closures affected all units during the muzzleloading season (M), and Corn Dance, Stairsteps and Loop units during general gun season.

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INTRODUCTION

White-tail deer and wild hog are important game animals on the BCWMA. Deer and hog hunting constitute a significant component of recreation on the area (Jansen 1986). Deer and hog are also important food items for the Florida panther (*Felis concolor coryi*) (Belden 1983, Maehr et al. 1990). The purpose of this report is to provide population, harvest, and biological information collected on these species during 2001-02 on the BCWMA.

Hunting

Deer and hog hunting was permitted during archery (30 days), muzzleloading (16 days) and general gun (52 days) hunts. The hunt was held as scheduled during the 2001-02 season. In addition to statewide rules these hunts were governed by specific regulations for the BCWMA (Appendix A). Prior to the 1990-91 hunting season, the NPS and the then Florida Game and Fresh Water Fish Commission agreed to several regulation changes with the provision that additional changes be held to a minimum for a period of five years. Major regulation changes have been enacted on BCWMA either to reduce white-tailed deer and wild hog harvest or to reduce recreational pressure on the area. Past regulatory changes have been summarized in previous reports (see Big Cypress National Preserve Deer and Hog Annual Report 1990-91). There weren't any major regulation changes for the 2001-02 hunting season.

This year, the opening date (Nov. 10) of the general gun hunt on BCWMA was 14 days after the opening date (Oct. 27) in the South zone of the statewide framework. The closing date for general gun season on BCWMA (Jan. 1) was 5 days earlier than the statewide South zone (Jan. 6). In 1990-91, the general gun season was reduced from 58 to 46 days, but increased to 51 days in 1993-94. In 2001-02, the general gun season was extended by one day to include New Year's Day as the final day for hunting. Archery (30 days) and muzzleloading gun (16 days) seasons remained the same length as the previous eight years.

Check station operations were similar to the previous season. Provisions were made to operate four check stations approximately 16 hours a day for 5 days a week through muzzleloading and general gun seasons. In addition to this coverage, the Forty-Mile Bend and Bear Island check stations were operated full time during

the archery season, while Dona Drive check station was staffed on weekends. When check stations were not staffed, hunters could check in or out using forms and self deposit boxes at each station. Check station locations are shown on the map in Appendix A.

Environmental Conditions

Water level is a primary environmental factor that could positively or negatively affect deer and hog populations, and hunter opportunities on BCWMA. During the 2001-02 season water levels caused no closures on the BCWMA.

SURVEY DATA

Deer population surveys have been conducted since 1977 on the BCWMA. Since 1989, various annual surveys have been conducted in a standard manner from May - August. Aerial reconnaissance flights and spotlight surveys are the techniques most used to monitor deer populations throughout the area. Original survey data are presented in Appendix B.

Bear Island

Deer track counts were conducted on Bear Island from 1977 to 1988. Track counts are no longer conducted in Bear Island because of wide variability in counts, and lack of a suitable tracking surface. In 1989, an experimental spotlight survey for deer was conducted to determine its feasibility. From 1989-99, the spotlight method was the primary technique used to monitor the unit's deer population (Table 1). Spotlight surveys have not been conducted in Bear Island since 1999 due to trail closures. Aerial surveys are conducted in Bear Island to determine annual deer recruitment, but a dense canopy cover throughout much of the unit does not allow for consistent transects, in sparsely vegetated areas, needed to count deer for density estimates.

Turner River/Deep Lake

A spotlight survey route was established in 2002 to determine deer densities in the Turner River and Deep Lake Units. The survey route includes Upper Wagon Wheel Road (UWW), and Turner River Road (TRR) north of the intersection of UWW and TRR. The transect is 8 miles long. Three spotlight counts were made along this route in late June of 2002. The population estimate for these two areas based on an average density of 1-deer/87.1 acres was 2,460 deer (Table 1). This survey route should be used in the future because the roads are permanent and visibility along the route is good. In the future, permanent aerial survey transects should be established and flown to bolster and better identify deer densities in these units.

Stairsteps

Aerial surveys were conducted in the eastern portion of the Stairsteps Unit (Table 2). The eastern Stairsteps is largely open Everglades marsh adjacent to Shark River Slough. This area comprises

approximately 50,000 acres. Prior to 1985-86 aerial surveys were flown on north-south transects at 2-mile intervals. In 1985, methodology was changed to conform to standards developed by Everglades National Park for systematic reconnaissance flights (SRF). These standards include east-west transects flown at 2 kilometer intervals with the survey area divided into 2-kilometer square cells. This technique provides an opportunity to estimate both density and distribution (Fleming 1984). Figure 1 defines the eastern Stairsteps survey area. Each survey consists of eight transects ranging from 8.04 to 16.09 kilometers for a total of 101.37 kilometers. The survey was conducted twice in 2002.

The 2002 annual survey yields deer densities ranging from 1 deer per 71 acres to 1 deer per 28 acres, for a population estimate ranging from 704-1,786 deer in the eastern Stairsteps. Deer population indices for 2002 were higher than all previous population estimates for this area (Figure 2) except for 1999.

HUNTING

Hunter pressure, success and checked harvest have been documented for the last 22 years (Table 3). Hunting pressure on BCWMA was estimated at 15,435 man-days for archery, muzzleloading and general gun seasons. This estimate was 5.3% greater than the prior year (14,610 man-days) and 5.5% more than the 5-year average (14,591 man-days). Hunter success (game checked/man-day = 0.021) was less than the prior 5-year average of 0.029. Checked-deer harvest (253) was 1.6% less than the 257 deer checked in 2000-01, and was 8.9% less than the 5-year average of 278. Hog harvest (75) was 39.5% less than last year's harvest (124), and was 47.9% less than the previous 5-year average of 144. Deer and hog harvest by season compared to the previous 5-year averages are shown in Table 4.

Total checked-deer harvest for archery (11) and general gun seasons (164) were lower than the prior five-year average (21 and 185, respectively), while checked-deer harvest for the 2001-02 muzzleloading season (78) was higher than the previous five-year average (72). Total deer harvest increased in the Bear Island, Corn Dance, and Loop units, but decreased in the Turner River, Deep Lake, and Stairsteps units as compared to the 2000-01 season (Table 5). Checked-hog harvest for this season was less than last season in the Corn Dance, Turner River, and Stairsteps Units, but was equal to last year's checked-hog harvest in the Bear Island, Deep Lake, and Loop Units (Table 6). No hogs were harvested in Deep Lake for the twelfth consecutive year. The Deep Lake Unit was closed during muzzleloading gun season and was restricted to "archery only" hunting during general gun season with vehicle use prohibited.

Between 1980 and 1982 several different methodologies were utilized to estimate hunter pressure. Efforts to measure use were intensified in 1983 and 1984. During these years, consistent attempts were made to improve estimates of hunter use by combining check station information, vehicle surveys and other information. Since 1984 hunter use estimates have been standardized. Hunting pressure in 2001 was calculated by comparing Saturday vehicle counts with base year surveys conducted in 1984 (See Big Cypress Public Use Study, Jansen , 1986). The hunter pressure calculation involves multiplying the 1984 hunter

activity (base year) estimates by the ratio of vehicle's counted every Saturday in 2001 to the weekly numbers obtained from the 1984 vehicle survey (base year) counts. All the results for previous vehicle surveys are summarized in Appendix C. Although vehicle surveys do not directly measure hunter pressure they do provide a good index on which to build trends regarding hunter use and game harvest on the BCWMA.

Hunting pressure increased on all units as compared to last year's levels except on the Bear Island Unit and Loop Units (Table 7). Overall, total hunting pressure (15,435 man-days) was 5.5% greater than the 5-year average (14,591 man-days). In general, length of the hunting season and the large land area have created low hunter densities on BCWMA. Normally there are between 50-500 hunters daily on the entire BCWMA, resulting in a hunter density of 11,362-1,110.5 acres per hunter (Schortemeyer et al. 1991).

Archery Season

Archery season was open September 1 through September 30. The 2001-02 archery deer harvest (11) was 47.6% less than the prior 5-year average of 21.6 (Table 8). Harvest was the highest during the first, second and third weeks of the season. Archery deer harvest decreased in the Bear Island, Turner River, Stairsteps, and Loop Units, but increased or remained constant in the Deep Lake and Corn Dance units as compared with last year (Table 5). Hog harvest (9) during archery was 43.7% less than the prior 5-year average (15.8) (Table 8). Archery hog harvest increased in the Turner River, Stairsteps, and Loop Units, but decreased or remained constant in the Bear Island, Deep Lake, and Corn Dance units as compared to last year (Table 6). Hunting pressure (1,655 man-days) was less than the prior 5-year average of 2,141 man-days. Pressure decreased in all units except Deep Lake and was the greatest in Turner River Unit (635 man-days, 38.4%) (Table 7). The 2001-02 archery hunter success rate (deer and hog) (0.012) was 29.4% less than the previous 5-year average (0.017).

Muzzleloading Gun Season

The muzzleloading gun season was open between October 6 and October 2. Deer harvest (78) was 7.7% greater than the 5-year average of 72.4 (Table 9), but decreased in every unit when compared to last year

(Table 5). Hog harvest (21) was 22.2% less than the previous 5-year average of 27.4 (Table 9), and decreased in all units except for the Corn Dance and Loop Units (Table 6). The Turner River Unit accounted for 51.3% and 42.8% of the deer and hogs harvested, respectively. Hunting pressure (2,300 man-days) increased by 13.0% when compared to the prior 5-year average of 2,000 man-days, but decreased in all units except Turner River when compared to the previous year. Almost 70% of the hunting pressure for this season was from the Turner River and Stairsteps unit (Table 7). The muzzleloading gun success rate (deer and hog) (0.043) was 15.6% less than the previous 5-year average (0.051).

General Gun Season

The 2001-02 general gun season (November 10-January 1) was 52 days in length. Hunter activity and harvest during the general gun season are summarized in Table 10. Hunter pressure (11,480) was higher than the prior 5-year average of 10,240 (Table 10). General gun deer harvest (164) was 11.1% less than the prior 5-year average of 184.6. Hog harvest (45) was 55.7% less than the 5-year average of 101.6. The Turner River and Stairsteps units accounted for 63.4% of the deer harvest, while 66.7% of the hogs were harvested in the Corn Dance and Turner River Units. The Turner River and Stairsteps Units accounted for 62.8% (7,210 man-days) of the total general gun pressure (Table 7). Pressure increased in all units except the Loop unit as compared to the 2000-01 general gun season. The general gun success rate (deer and hog) (0.018) was 33.3% less than the previous 5-year average (0.027).

Hunting pressure by week of general gun season is shown in Figure 3. In general, use is highest during the first 9 days, followed by Thanksgiving week. Use levels decline after that until the end of the season. Use levels at the end of the season increase, but generally remain below levels in the first two weeks. Levels presented for the first week are actually for the first 2 days only (opening weekend). Remaining weeks cover a full 7-day period, except for the 1990-91, 1991-92, and 1992-93 seasons in which week eight was only 2, 3 and 5-days long, respectively, and in the 2001-02 season when week 9 was 2-days long.

WHITE-TAILED DEER DATA

Herd Composition

Harvested deer were aged by tooth eruption and wear (Severinghaus 1949). In 2001-02, 73.2 % (183 of 250) of all deer checked were aged. Six age classes were represented in the season's harvest (Table 11). In 2001-02, 60.7% (111) of the harvest was in the 2.5 year old age class. Twenty-two (12%), 39 (21.3%), 7 (3.8%), 3 (1.7%), and 1 (0.5%) deer were harvested in the 1.5, 3.5, 4.5, 5.5, and 6.5-year old age class, respectively (Table 11). The percentage of 2.5-year olds in this year's harvest suggest strong recruitment for the BCWMA deer herd. Harvest of 2.5-year old deer increased by 51.5% when compared to last year, but harvest of 3.5 and 4.5-year old deer decreased by 50.5% when compared to last year. Data such as these should be monitored over the years to insure that extreme decreasing trends in the 1.5 and 2.5-year old age class do not occur.

Deer age structure by unit of harvest is shown in Table 11. The Bear Island, Loop, Stairsteps, and Corn Dance Units had similar age structures related to harvest. For each, the 2.5 year old age class dominated the total harvest. The Turner River Unit also had good representation in the 2.5 year old age class (55.8 %). Again, age structure data indicate good recruitment in recent years. Field observations, surveys, and documented harvest have indicated fluctuating recruitment rates over the past 10 years. Recruitment rates may be affected by spring water levels, observer error, and other environmental factors.

Physical Characteristics

Antler characteristics and dressed weight by age class and unit of harvest are shown in Table 12. Overall, values in 2001-02 are similar to those reported since implementation of the 5-inch antler rule (1986-87). Mean dressed weight of deer has ranged from 82 pounds in 1996 to 67 pounds in 1986, and was 74.5 pounds for the 2001-02 season. Mean dressed weight for deer was greatest in the Bear Island (83.6 lbs.) and Deep Lake (81.0 lbs.) Units, and least in the Corn Dance (68.3 lbs.) Unit (Table 12). A mean antler circumference of 6.7 cm in 2001 was within the range set in previous years (5.6-7.4 cm). In 2001, mean antler

length (25.7 cm) was within the range set in previous years (18.8-27.7 cm). Mean number of points per deer (5.2) increased by 9.6 % as compared to the previous year (4.7). Occurrence of spikes by age class and unit of harvest is shown in Table 13. Spikes comprised 18.8% of the total bucks harvested and 59.1% of the harvested 1.5-year old bucks. The percentage of spikes in the 2.5 year age class (20.7%) decreased from 25% in 2000.

WILD HOG DATA

Biological data were collected from 75 harvested hogs in 2001. Parameters normally measured included weight, body length, and shoulder height. Mean dressed weights, lengths, and shoulder heights for hogs harvested during the last 19 years are shown in Table 14. Mean dressed weight (lbs), mean body length (cm), and mean shoulder height (cm) of hogs harvested on the BCWMA in 2001 were 89, 126, and 68, respectively. These data are nearly identical to data collected in 2000.

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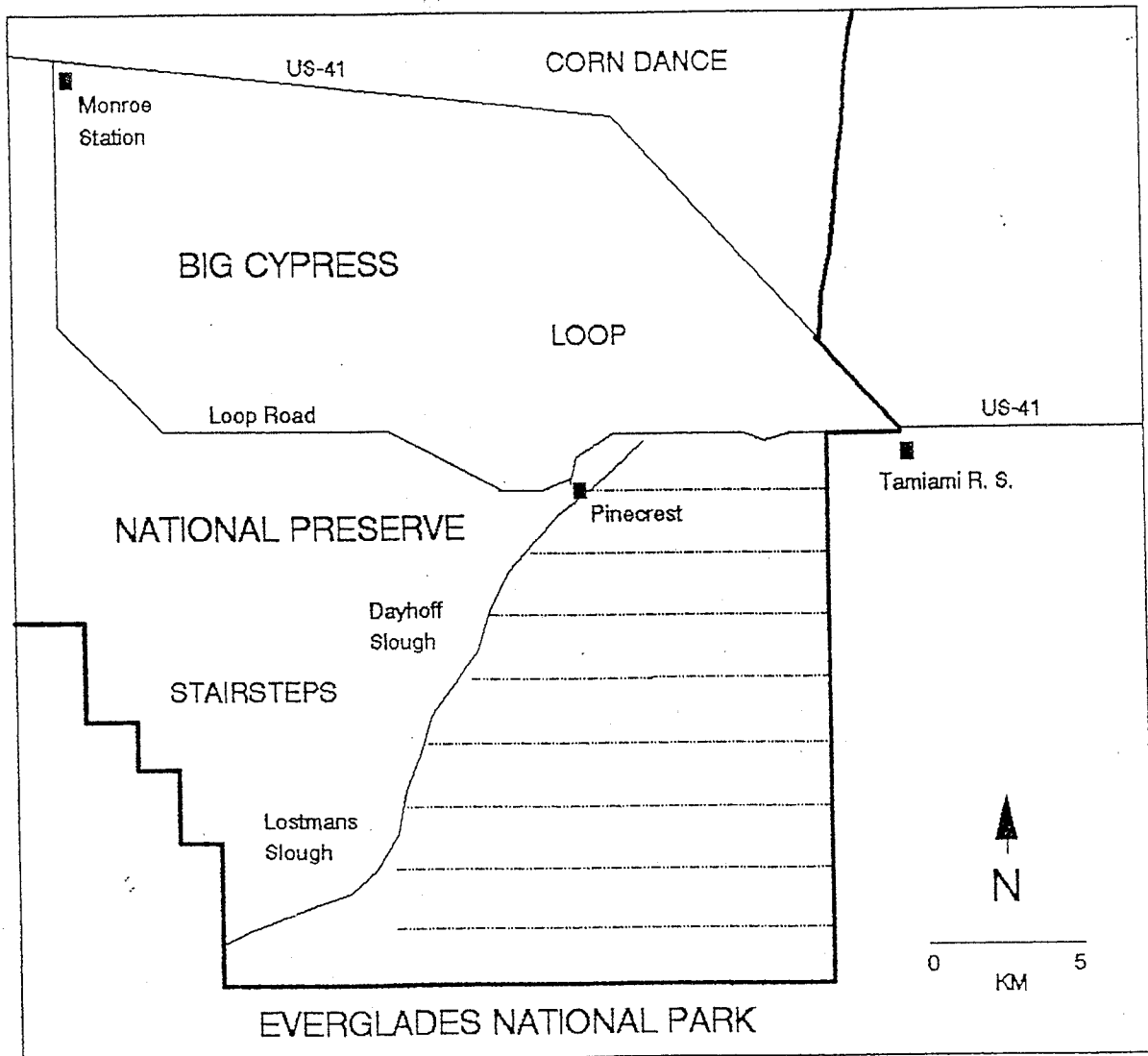


Figure 1. Aerial deer survey transects for the eastern Stairsteps Unit, Big Cypress WMA, 1985-2000.

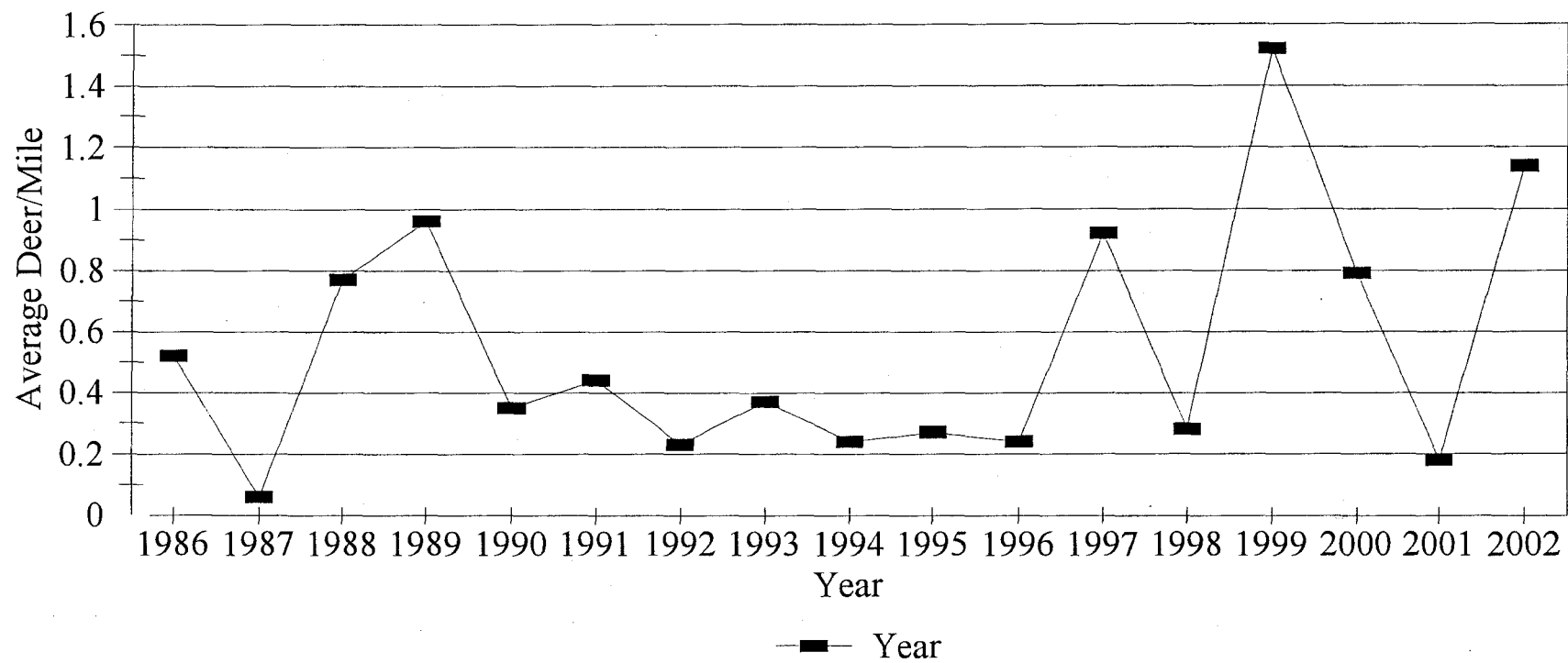


Figure 2. Average number of deer observed per mile during aerial surveys in eastern Stairsteps Unit, Big Cypress WMA, 1986-2002.

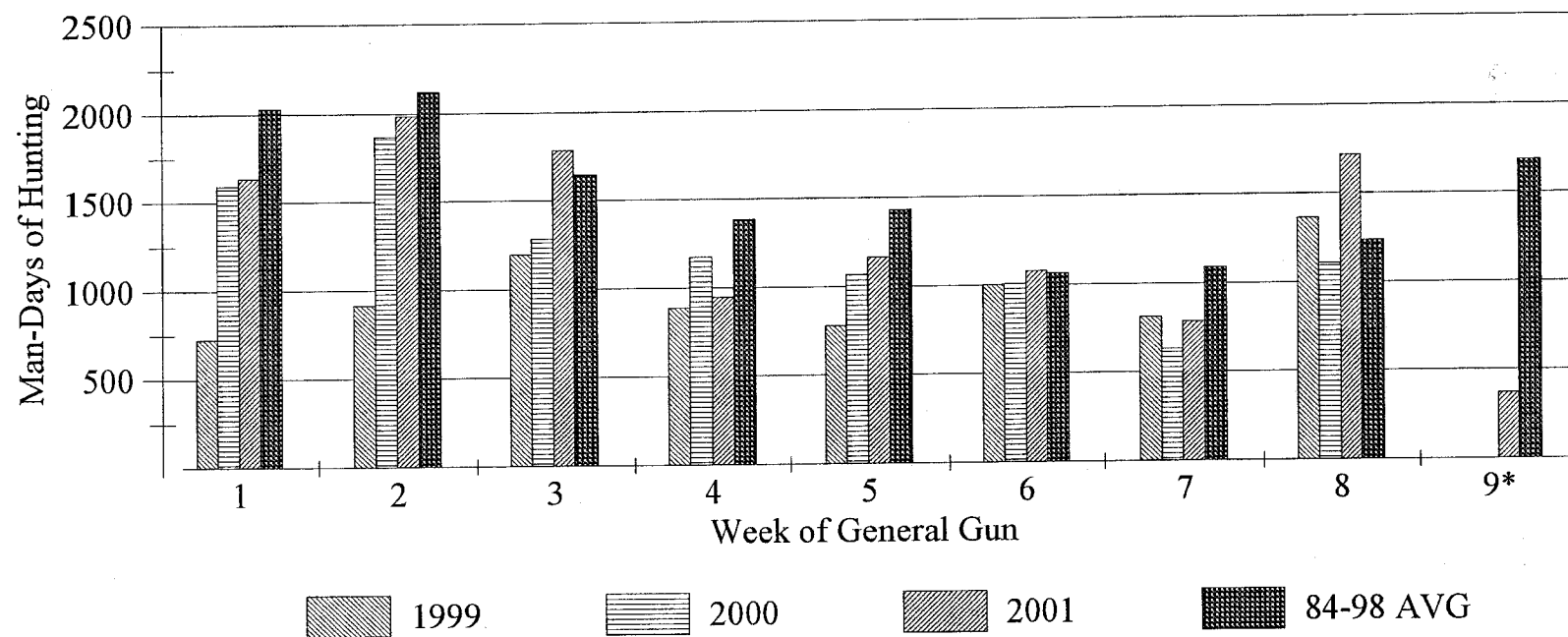


Figure 3. General Gun season hunting pressure by week, Big Cypress WMA, 1984-2001. * denotes average for 1985-1989 seasons.

Table 1. Spotlight count-population indices for white-tailed deer on the Big Cypress WMA, 1988-2002.

Time of survey	Source	Unit	Number of Surveys	Deer Count High/Average	Population Estimate	Density (deer/acre)
1988 Annual	McGrady April 1988	Deep Lake	1	8/8	378	1:128
1989 Annual	McGrady, Manor & Schortemeyer June 1989	Eastern Bear Island	2	11/7	266	1:72
1989 Annual	McGrady, Manor & Schortemeyer May 1989	Western Bear Island	3	24/11.3	683	1:26
1990 Annual	Schortemeyer & Manor June 1990	Eastern Bear Island	4	2/1.3	33	1:584
1990 Annual	Schortemeyer & Manor June 1990	Western Bear Island	5	4/2.4	140	1:137
1991 Annual	Schortemeyer, Manor & Bozzo July 1991	Eastern Bear Island	3	11/5.7	180	1:106
1991 Annual	Schortemeyer, Manor & Bozzo July 1991	Western Bear Island	3	16/7.7	736 563	1:26(c) 1:34(d)
1992 Annual	Schortemeyer & Bozzo June 1992	Eastern Bear Island	3	16/7.3	262	1:73
1992 Annual	Schortemeyer & Bozzo June 1992	Western Bear Island	2	14/14	490	1:39
1993 Annual	Schortemeyer & Bozzo July 1993	Eastern Bear Island	2	10/9.5	163	1:117
1993 Annual	Schortemeyer & Bozzo July 1993	Western Bear Island	2	4/3	140	1:137
1994 Annual	Schortemeyer & Bozzo June 1994	Eastern Bear Island	3	7/5	115	1:167
1994 Annual	Schortemeyer & Bozzo June 1994	Western Bear Island	3	2/0.7	70	1:274
1995 Annual	Schortemeyer, Bozzo & Myers June 1995	Eastern Bear Island	3	10/7.7	262 163	1:73(a) 1:117(b)
1995 Annual	Schortemeyer, Bozzo & Myers June 1995	Western Bear Island	3	7/4.3	245	1:78
1996 Annual	Schortemeyer, Bozzo & Myers July 1996	Eastern Bear Island	2	13/21	213	1:90
1996 Annual	Schortemeyer, Bozzo & Myers July & August 1996	Western Bear Island	2	21/15	736	1:26
1997 Annual	Bozzo & Myers June 1997	Eastern Bear Island	2	10/8	163	1:117
1997 Annual	Schortemeyer & Bush June 1997	Western Bear Island	2	10/7.5	348	1:55
1998 Annual	Schortemeyer, Steelman, Bozzo & Boon June 1998	Eastern Bear Island	2	11/10.5	163	1:117
1998 Annual	Schortemeyer, Steelman & Bozzo June 1998	Western Bear Island	2	13/10.5	455	1:42
1999 Annual	Schortemeyer, Steelman & Bozzo June 1999	Eastern Bear Island	2	14/14	229	1:83
2002 Annual	Adams, Bozzo & Riddick June 2002	Deep Lake & Turner River	3	18/12.3	2,460	1:87.1(e)

(a) 6.4 mile transect

(b) 3.2 mile transect

(c) 3.1 mile transect

(d) 5.0 mile transect

(e) 8.0 mile transect

Table 2. Population indices for white-tailed deer in the Stairsteps Unit (eastern portion) of the BCWMA, 1977-2002.

Time of Survey	Method	Source	Calculated size of unit (acres)	Population Estimate*	Density (deer:acre)
1982-83 Pre-hunt	SRF Aerial Counts	Pylant, memo 30 Sept. 1982	50,000	833-1190	1:60-42
1982-83 Pre-hunt	SRF Aerial Counts	Pylant, memo 11 April 1983	50,000	379-543	1:132-92
1984 Post Production (1 of 2)	SRF Aerial Counts	Schortemeyer 1984	50,000	70-132	1:714-379
1984 Post Production (2 of 2)	SRF Aerial Counts	Schortemeyer 1984	50,000	117-220	1:427-227
1984-85 Pre-hunt	SRF Aerial Counts	Schortemeyer 1984	50,000	316-633	1:158-79
1985-86 Pre-hunt	SRF Aerial Counts	Schortemeyer & Ramsey	50,000	410-820	1:120-60
1985-86 Post-hunt	SRF Aerial Counts	Schortemeyer & Ramsey	50,000	240-480	1:210-105
1986-87 Pre-hunt (1 of 2)	SRF Aerial Counts	Schortemeyer & Ramsey	50,000	280-560	1:180-90
1986-87 Post-hunt	SRF Aerial Counts	Schortemeyer & Ramsey	50,000	250-500	1:200-100
1987 Annual (1 of 2)	SRF Aerial Counts	Schortemeyer & Ramsey	50,000	38-76	1:1322-661
1987 Annual (2 of 2)	SRF Aerial Counts	Schortemeyer & Ramsey	50,000	19-38	1:2643-1322
1988 Annual	SRF Aerial Counts	Schortemeyer & McGrady	50,000	485-980	1:103-51
1989 Annual	SRF Aerial Counts	Schortemeyer & McGrady	50,000	620-1220	1:83-41
1990 Annual	SRF Aerial Counts	Schortemeyer & Manor	50,000	200-442	1:227-113
1991 Annual June (1 of 2)	SRF Aerial Counts	Schortemeyer & Bozzo	50,000	280-560	1:180-90
1991 Annual June (2 of 2)	SRF Aerial Counts	Manor & Bozzo	50,000	280-560	1:180-90
1992 Annual June (1 of 2)	SRF Aerial Counts	Schortemeyer & Bozzo	50,000	145-362	1:345-138
1992 Annual June (2 of 2)	SRF Aerial Counts	Schortemeyer & Bozzo	50,000	32-79	1:1586-636
1993 Annual (1 of 2)	SRF Aerial Counts	Schortemeyer & Bozzo	50,000	234-581	1:214-86
1993 Annual (2 of 2)	SRF Aerial Counts	Schortemeyer & Bozzo	50,000	88-221	1:566-266
1994 Annual (1 of 2)	SRF Aerial Counts	Schortemeyer & Bozzo	50,000	113-284	1:441-176
1994 Annual (2 of 2)	SRF Aerial Counts	Schortemeyer & Bozzo	50,000	152-379	1:330-132

Table 2. Cont.

Time of Survey	Method	Source	Calculated size of unit (acres)	Population Estimate*	Density (deer:acre)
1995 Annual June (1 of 2)	SRF Aerial Counts	Schortemeyer & Bozzo	50,000	171-427	1:293-117
1995 Annual June (2 of 2)	SRF Aerial Counts	Bozzo & Myers	50,000	50-126	1:991-396
1996 Annual June (1 of 2)	SRF Aerial Counts	Bozzo & Myers	50,000	32-79	1:1586-634
1996 Annual June (2 of 2)	SRF Aerial Counts	Bozzo & Myers	50,000	152-379	1:330-132
1997 Annual (1 of 2)	SRF Aerial Counts	Bozzo & Myers	50,000	581-1453	1:86-34
1997 Annual (2 of 2)	SRF Aerial Counts	Bozzo & Bush	50,000	259-648	1:193-77
1998 Annual (1 of 2)	SRF Aerial Counts	Schortemeyer & Steelman	50,000	157-393	1:317-127
1998 Annual (2 of 2)	SRF Aerial Counts	Schortemeyer & Steelman	50,000	176-442	1:283-113
1999 Annual	SRF Aerial Counts	Bozzo & Steelman	50,000	958-2392	1:52.2-20.9
2000 Annual (1 of 2)	SRF Aerial Counts	Schortemeyer & Bozzo	50,000	473-1182	1:106-42
2000 Annual (2 of 2)	SRF Aerial Counts	Bozzo & Lotz	50,000	391-977	1:127-51
2002 Annual (1 of 2)	SRF Aerial Counts	Adams & Bozzo	50,000	724-1,786	1:69-28
2002 Annual (2 of 2)	SRF Aerial Counts	Adams & Bilbrey	50,000	704-1,786	1:71-28

* Low and high values provided in column were based on observing 100 and 40 percent of the population, respectively.

Table 3. Big Cypress WMA deer and hog harvest, and hunter success, 1980-2002.

Year	Number of Man-days	Number of Deer Harvested	Number of Hogs Harvested	Hunter Success ¹
1980-81	14,240	103	81	0.013
1981-82	16,539	104	44	0.009
1982-83	18,625	145	141	0.015
1983-84	23,015	140	201	0.015
1984-85	24,360	205	195	0.016
1985-86	17,195	156	111	0.016
1986-87	17,290	127	153	0.016
1987-88	17,525	208	138	0.020
1988-89	21,567	185	144	0.015
1989-90	21,660	186	154	0.016
1990-91	14,340	182	180	0.025
1991-92	17,083	216	254	0.028
1992-93	16,534	226	181	0.025
1993-94	15,910	253	162	0.026
1994-95 ²	9,735	124	84	0.021
1995-96 ³	11,290	206	148	0.031
1996-97	14,015	271	174	0.032
1997-98	14,410	265	188	0.031
1998-99 ⁴	17,485	346	147	0.028
1999-00 ⁵	11,255	253	89	0.030
2000-01	14,610	257	124	0.026
2001-02	15,435	253	75	0.021

¹ Hunter Success = (deer and hog harvest)/man-days of hunting.

² General Gun season was 9 days long in Turner River and Corn Dance units and closed in Stairsteps and Loop units.

³ Restricted Harvest

⁴ Archery season closed for 2 days due to hurricane.

⁵ Closures affected all units during muzzleloading season, and Corn Dance, Stairsteps, and Loop units during general gun seasons.

364,118 ÷ 22

Table 4. Big Cypress WMA deer and hog harvest, and hunter success ratios by season season for 2001-02.

Season	Number Harvested		Hunter Succ. Ratio ¹	
	2001-02	Prior 5 yr. Avg.	2001-02	Prior 5 yr. Avg.
Deer				
Archery	11	21	0.007	0.009
Muzzleloading	78	72	0.034	0.037
General Gun	164	185	0.014	0.018
Hog				
Archery	9	16	0.005	0.007
Muzzleloading	21	27	0.009	0.014
General Gun	45	102	0.004	0.009

¹ Success ratio = no. of animals harvested/no. of man-days.

Table 5. Six year comparison of documented deer harvest on the Big Cypress WMA, 1994-2001. - and * indicate areas closed and partially closed, respectively, within a season.

NUMBER OF DEER HARVESTED						
Season	96-97	97-98	98-99	99-00	00-01	01-02
<u>Archery</u>						
Bear Island	3	3	2*	0	2	1
Deep Lake	0	0	1*	6	3	3
Corn Dance	2	1	3*	2	0	2
Turner River	2	3	9*	10	7	1
Stairsteps	9	13	4*	6	9	3
Loop	0	0	2*	1	4	1
Total	16	20	21	25	25	11
<u>Muzzleloading</u>						
Bear Island	14	3	6	9*	20	13
Deep Lake	-	-	-	-	-	-
Corn Dance	9	4	7	-	5	3
Turner River	27	34	40	43*	45	40
Stairsteps	19	7	26	-	24	16
Loop	3	6	3	-	8	6
Total	72	54	82	52	102	78
<u>General Gun</u>						
Bear Island	15	14	15	16	9	21
Deep Lake	0	1	1	0	1	0
Corn Dance	20	16	21	1*	9	18
Turner River	83	75	109	131	67	69
Stairsteps	50	80	83	27*	33	35
Loop	15	5	14	1*	11	21
Total	183	191	243	176	130	164
<u>Combined</u>						
Bear Island	32	20	23	25	31	35
Deep Lake	0	1	2	6	4	3
Corn Dance	31	21	31	3	14	23
Turner River	112	112	158	184	118	110
Stairsteps	78	100	113	33	67	54
Loop	18	11	19	2	23	28
Total	271	265	346	253	257	253

Table 6. Six year comparison of documented hog harvest on the Big Cypress WMA, 1994-2001. - and * indicate areas closed and partially closed, respectively, within a season.

NUMBER OF HOGS HARVESTED						
Season	96-97	97-98	98-99	99-00	00-01	01-02
<u>Archery</u>						
Bear Island	1	1	0*	0	0	0
Deep Lake	0	0	0*	0	0	0
Corn Dance	8	10	0*	1	2	1
Turner River	5	17	5*	6	1	3
Stairsteps	4	2	1*	3	2	3
Loop	3	2	2*	1	2	2
Total	21	32	8	11	7	9
<u>Muzzleloading</u>						
Bear Island	3	6	0	0*	1	0
Deep Lake	-	-	-	-	-	-
Corn Dance	5	2	2	-	3	6
Turner River	17	15	18	11*	17	9
Stairsteps	5	3	4	-	6	3
Loop	4	5	5	-	3	3
Total	34	31	29	11	30	21
<u>General Gun</u>						
Bear Island	15	8	2	1	0	1
Deep Lake	0	0	0	0	0	0
Corn Dance	19	13	21	4*	22	17
Turner River	37	45	42	53	31	13
Stairsteps	40	48	40	8*	29	9
Loop	8	11	5	1*	5	5
Total	119	125	110	67	87	45
<u>Combined</u>						
Bear Island	19	15	2	1	1	1
Deep Lake	0	0	0	0	0	0
Corn Dance	32	25	32	5	27	24
Turner River	59	77	65	70	49	25
Stairsteps	49	53	45	11	37	15
Loop	15	18	12	2	10	10
Total	174	188	147	89	124	75

Table 7. Six year comparison of documented hunter pressure on the Big Cypress WMA, 1994-01. - and * indicate areas closed and partially closed, respectively, within a season.

HUNTER PRESSURE (MAN-DAYS)						
Season	96-97	97-98	98-99	99-00	00-01	01-02
<u>Archery</u>						
Bear Island	480	620	425*	515	380	240
Deep Lake	25	40	45*	80	75	120
Corn Dance	290	275	315*	300	370	235
Turner River	525	750	735*	945	770	635
Stairsteps	370	370	425*	565	490	350
Loop	125	75	120*	105	100	75
Total	1815	2130	2065	2510	2185	1655
<u>Muzzleloading</u>						
Bear Island	565	375	390	125*	310	260
Deep Lake	-	-	-	-	25	-
Corn Dance	280	225	235	-	475	360
Turner River	600	930	965	930*	945	1030
Stairsteps	515	445	400	-	630	545
Loop	115	125	145	-	110	105
Total	2075	2100	2135	1055	2495	2300
<u>General Gun</u>						
Bear Island	2590	1360	2020	1465	1245	1280
Deep Lake	70	145	200	160	165	445
Corn Dance	1085	1335	1730	490*	1645	2090
Turner River	2970	3730	5270	4255	3990	4475
Stairsteps	3035	2885	3490	1230*	2315	2735
Loop	375	450	575	90*	470	455
Total	10125	10175	13285	7690	9830	11480
<u>Combined</u>						
Bear Island	3635	2625	2835	2105	1935	1780
Deep Lake	95	185	245	240	265	565
Corn Dance	1655	1835	2280	790	2490	2685
Turner River	4095	5410	6970	6130	5705	6140
Stairsteps	3920	3700	4315	1795	3435	3630
Loop	615	650	840	195	680	635
Total	14015	14405	17485	11255	14510	15435

Table 8. Archery season harvest summary Big Cypress WMA, 2001-02.

Week	Deer		Hog		Hunter Activity (man-days)	
	2001-02	Prior 5-yr. avg.	2001-02	Prior 5-yr. avg.	2001-02	Prior 5-yr. avg.
2001-02 dates						
1 (9-1 to 9-2)	3	6.8	5	5.4	640	798
2 (9-3 to 9-9)	6	5.6	1	4.0	425	478
3 (9-10 to 9-16)	1	4.4	1	2.4	195	337
4 (9-17 to 9-23)	1	2.8	2	2.0	255	266
5 (9-24 to 9-30)*	0	2.0	0	2.0	140	262
Total	11	21.6	9	15.8	1655	2141

* Five-week season began in 1990-91.

Table 9. Muzzleloading Gun season harvest summary Big Cypress WMA, 2001-02

Week	Deer		Hog		Hunter Activity (man-days)	
	2001-02	Prior 5-yr. avg.	2001-02	Prior 5-yr. avg.	2001-02	Prior 5-yr. avg.
2001-02 dates						
1 (10-6 to 10-7)	26	22.6	5	9.8	1080	980
2 (10-8 to 10-14)	34	31.8	9	9.2	685	501
3 (10-15 to 10-21)	18	18	7	8.4	535	491
Total	78	72.4	21	27.4	2300	1972

Table 10. General Gun season harvest summary Big Cypress WMA, 2001-02.

Week	Deer		Hog		Hunter Activity (man-days)	
	2001-02	Prior 5-yr. avg.	2001-02	Prior 5-yr. avg.	2001-02	Prior 5-yr. avg.
2001-02 dates						
1 (11-10 to 11-11)	38	41.4	8	16.6	1635	1475
2 (11-12 to 11-18)	43	51.0	7	29.0	1990	1578
3 (11-19 to 11-25)	29	27.4	5	13.0	1785	1620
4 (11-26 to 12-02)	12	20.0	8	9.8	950	1117
5 (12-03 to 12-09)	9	12.6	2	8.0	1165	1142
6 (12-10 to 12-16)	11	12.2	4	10.0	1080	1026
7 (12-17 to 12-23)	10	9.4	3	6.0	785	1014
8 (12-24 to 12-30)	9	10.6	5	9.2	1720	1233
9 (12-31 to 1-01)*	3	0.0	3	0.0	370	35
Total	164	184.6	45	101.6	11480	10240

* Nine-week season began in 2000-01.

Table 11. Age structure of male white-tailed deer harvested on the Big Cypress WMA by unit of harvest, 2001-02.

Age Class	Bear Island		Deep Lake		Turner River		Loop		Stairsteps		Corn Dance		All units combined	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%
1.5	3	11.1	1	50	14	14.7	0	---	3	8.5	1	7.1	22	12.0
2.5	18	66.7	1	50	53	55.8	7	70	23	65.7	9	64.3	111	60.7
3.5	5	18.5	0	---	25	26.3	0	---	6	17.1	3	21.5	39	21.3
4.5	1	3.7	0	---	3	3.2	2	20	1	2.9	0	---	7	3.8
5.5	0	---	0	---	0	---	1	10	1	2.9	1	7.1	3	1.7
6.5+	0	---	0	---	0	---	0	---	1	2.9	0	---	1	0.5
Sample size	27		2		95		10		35		14		183	

Table 12. Body and antler characteristics of deer harvested during 2001-02, Big Cypress WMA.

AGE CLASS	SAMPLE SIZE BY UNIT							MEAN GUTTED WEIGHT (lbs.)						
	I ^a	II	III	IV	V	VI	ALL	I	II	III	IV	V	VI	ALL
1.5	3	1	14	-	3	1	22	85.0	81.0	60.4	-	60.0	-	66.0
2.5	18	1	53	7	23	9	111	83.8	-	73.2	70.3	71.0	62.5	73.6
3.5	5	-	25	-	6	3	39	82.0	-	73.6	-	76.3	-	75.7
4.5	1	-	3	2	1	-	7	-	-	-	75.0	95.0	-	81.7
5.5	-	-	-	1	1	1	3	-	-	-	-	66.0	74.0	70.0
6.5+	-	-	-	-	1	-	1	-	-	-	-	80.0	-	80.0
TOTAL	27	2	95	10	35	14	183	83.6	81.0	69.1	72.7	74.7	68.3	74.5

	MEAN ANTLER MAIN BEAM CIRCUMFERENCE (cm)							MEAN ANTLER BEAM LENGTH (cm)						
	I ^a	II	III	IV	V	VI	ALL	I	II	III	IV	V	VI	ALL
1.5	4.8	6.2	4.3	-	4.4	4.9	4.5	16.8	21.3	15.8	-	13.4	16.8	15.9
2.5	6.0	5.7	5.1	6.1	5.6	6.3	5.5	22.4	19.4	21.0	24.9	20.3	27.1	21.8
3.5	6.8	-	6.0	-	6.4	5.5	6.1	24.0	-	23.0	-	24.5	21.7	23.3
4.5	7.4	-	7.5	7.5	9.3	-	7.8	29.9	-	37.1	27.5	34.8	-	33.0
5.5	-	-	-	9.0	8.9	11.9	9.9	-	-	-	36.0	37.8	32.8	35.5
6.5+	-	-	-	-	6.1	-	6.1	-	-	-	-	24.4	-	24.4
TOTAL	6.3	6.0	5.7	7.5	6.8	7.2	6.7	23.3	20.4	24.2	29.5	25.9	24.6	25.7

	MEAN NUMBER OF POINTS							MEAN SPREAD (cm)						
	I ^a	II	III	IV	V	VI	ALL	I	II	III	IV	V	VI	ALL
1.5	3.3	3.0	2.6	-	2.9	2.0	2.8	13.5	14.0	12.7	-	12.1	15.0	12.9
2.5	4.6	3.0	3.9	5.9	3.5	5.9	4.2	19.2	16.5	16.4	22.2	17.7	22.9	18.0
3.5	5.6	-	4.6	-	5.5	4.7	4.9	20.7	-	16.1	-	18.8	21.7	17.5
4.5	7.0	-	7.6	4.5	8.0	-	6.7	31.0	-	27.3	23.0	32.4	-	27.3
5.5	-	-	-	6.0	8.0	6.0	6.7	-	-	-	32.0	27.5	28.5	29.3
6.5+	-	-	-	-	6.0	-	6.0	-	-	-	-	23.8	-	23.8
TOTAL	5.1	3.0	4.7	5.5	5.7	4.7	5.2	21.1	15.3	18.1	25.7	22.1	22.0	21.5

^aI = Bear Island Unit, II = Deep Lake Unit, III = Turner River Unit, IV = Loop Unit, V = Stairsteps, and VI = Corndance Unit

Table 13. Number and percent spikes of adult deer harvested on the Big Cypress WMA, 2001-02.

Age Class	Number of Spikes							% of Spikes in Age Class						
	<u>I</u> ^a	<u>II</u>	<u>III</u>	<u>IV</u>	<u>V</u>	<u>VI</u>	<u>ALL</u>	<u>I</u>	<u>II</u>	<u>III</u>	<u>IV</u>	<u>V</u>	<u>VI</u>	<u>ALL</u>
1.5	0	0	11	0	1	1	13	0	0	78.6	0	33.3	100	59.1
2.5	1	0	14	0	8	0	23	5.6	0	26.4	0	34.8	0	20.7
3.5	0	-	3	0	0	1	4	0	-	12.0	0	0	33.3	10.3
4.5	0	-	0	0	0	-	0	0	-	0	0	0	-	0
5.5	-	-	-	0	0	0	0	-	-	-	0	0	0	0
6.5+	-	-	-	-	0	-	0	-	-	-	-	0	-	0
N ^b	0	-	3	-	1	3	7	0	-	12.5	-	6.0	33.3	10.6

^a Units of harvest: I = Bear Island, II = Deep Lake, III = Turner River, IV = Loop, V = Stairsteps, VI = Corn Dance.

^b N is the number of spikes harvested/zone that were not aged, while % of spikes in N is the number of un-aged harvested spikes in a zone / the total of un-aged harvested deer in a zone X 100.

Table 14. Physical characteristics of wild hogs harvested on the Big Cypress WMA, 1983-02

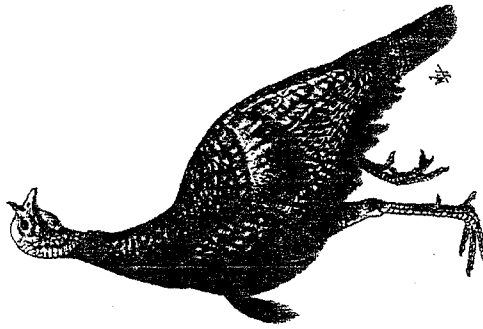
Year	Sample size	Mean Gutted Weight (lbs.)	Mean Body Length (cm.) *	Mean Shoulder Height (cm.)
1983-84	126	71 (20-198)	114 (42-170)	59 (15-90)
1984-85	119	71 (18-350)	116 (77-164)	61 (40-90)
1985-86	67	75 (18-375)	116 (54-152)	64 (28-90)
1986-87	75	70 (20-155)	115 (78-155)	63 (36-88)
1987-88	101	71 (16-245)	115 (75-166)	62 (39-98)
1988-89	108	83 (20-238)	120 (68-158)	63 (22-85)
1989-90	110	66 (25-180)	117 (85-171)	61 (45-87)
1990-91	134	77 (25-165)	118 (71-160)	63 (18-90)
1991-92	158	78 (25-235)	120 (47-170)	64 (27-90)
1992-93	147	64 (15-182)	104 (59-159)	57 (34-89)
1993-94	93	77 (25-220)	123 (58-161)	66 (44-94)
1994-95	39	80 (25-205)	120 (86-156)	65 (47-86)
1995-96	73	82 (25-175)	125 (73-150)	68 (45-91)
1996-97	83	90 (25-180)	124 (78-152)	70 (27-99)
1997-98	104	82 (21-210)	122 (35-162)	58 (43-98)
1998-99	95	82 (17-150)	124 (74-149)	67 (43-92)
1999-00	89	75 (30-157)	119 (88-156)	64 (22-83)
2000-01	124	90 (25-140)	125 (83-153)	69 (37-88)
2001-02	75	89 (25-170)	126 (85-148)	68 (41-86)

*Body length does not include tail.

APPENDIX A. Big Cypress WMA 2001-02 regulations summary and area map.

BIG CYPRESS

WILDLIFE MANAGEMENT AREA 2001-2002 REGULATIONS SUMMARY AND AREA MAP



A COOPERATIVE PUBLIC WILDLIFE
AND RECREATIONAL AREA
NATIONAL PARK SERVICE
FLORIDA FISH AND WILDLIFE
CONSERVATION COMMISSION

www.state.fl.us/fwc/

This brochure is designed to provide the public with information and a summary of regulations pertaining to hunting and other recreational use on the Big Cypress Wildlife Management Area. **To make it easier to learn about regulation changes on this area, regulations that are new or differ substantially from last year are shown in bold print.** Area users still should familiarize themselves with all regulations for the area. For the exact wording of the wildlife laws and regulations, see Florida Fish and Wildlife Conservation Commission's wildlife code on file with the Secretary of State and state libraries and National Park Service regulations available at National Park Service offices. This brochure and the quota hunt application forms should provide the information necessary for you to plan your hunting activities.

For information pertaining to hunting on private lands and trapping, consult the current Florida Hunting Handbook. This publication is available from any Commission office as well as county tax collectors and their subagents.

PERMIT, STAMP AND LICENSE INFORMATION:

Persons utilizing the wildlife management areas are required to have appropriate licenses, stamps and permits. Florida residents who are 65 years of age or older, and residents who have obtained a no-cost license through a certification of total and permanent disability by the Armed Forces or Veterans Administration or a certification of total disability by the Social Security Administration, may be exempt from most permit, stamp and license requirements on this area. Hunters under age 16 and Florida residents in the U.S. Armed Forces, not stationed in Florida and home on leave with orders in possession are exempt from most permit, stamp and license requirements on this area.

Hunting License, Trapping License, Fishing License and Archery, Muzzleloading Gun, Wildlife Management Area, Wild Turkey and State Waterfowl permits may be purchased from county tax collectors, their subagents, Internet or by telephone.

Unless exempted, all hunters on this wildlife management area must have the following in their possession and display them upon request of any Commission employee or any law enforcement officer:

1. Hunting License: Information on the categories and costs of hunting licenses is available in the Florida Hunting Handbook.

2. Wildlife Management Area Permit: This \$25 permit is required to hunt on this area.

3. Quota Permits: A no-cost regular quota hunt permit is required to hunt on the Bear Island, Stairsteps, Loop, Corn Dance and Turner River units of this wildlife management area during November 10 through 18, November 19 through 25 and December 22 through January 1 of the general gun season. A no-cost special quota hunt permit is required to hunt on the Bear Island Unit from October 6 through 14 of the muzzleloading gun season and on the Deep Lake Unit November 10 through 18, November 19 through 25 and December 24 through January 1 of the second archery season.

A daily hunt permit (available at the check station) is required for hunting each day during non-quota periods of general gun and muzzleloading gun seasons on the Bear Island Unit. There are 200 daily hunt permits available on a first-come, first-served basis at the check station. Regular quota permits are available in the following numbers by management unit: Bear Island 200, Stairsteps 1,000, Corn Dance 200, Loop 200, and Turner River 200. There are 200 special quota permits

available for the muzzleloading gun hunt in the Bear Island Unit and each of the 3 segments of the second archery season in the Deep Lake Unit.

Regular and special quota hunt permit applications are available from county tax collectors or their subagents on or about June 1. To apply for either permit, obtain a regular or special quota hunt application and follow the printed instructions.

Transfer of Permits--Quota hunt permits are transferable. The sale or purchase of any quota hunt permit is prohibited.

4. Archery Permit: This \$5 permit is required when hunting during any archery season outside of the South Zone general gun season dates.

5. Muzzleloading Gun Permit: This \$5 permit is required when hunting during the muzzleloading gun season.

6. Wild Turkey Permit: This \$5 permit is required if hunting turkeys.

7. State Waterfowl Permit: This \$3 permit is required while hunting ducks.

8. Federal Duck Stamp: Any hunter 16 years of age or older must possess a federal duck stamp while hunting ducks. This \$15 stamp is available at post offices. Visit www.duckstamp.com for additional information regarding alternate methods and locations for purchasing of duck stamps.

9. Migratory Bird Permit: This free permit is required when hunting migratory game birds.

10. National Park Service Off-Road Vehicle (ORV) Permit: Any vehicle used off roads on the Big Cypress Wildlife Management Area shall have a National Park Service ORV permit. This includes any four-wheel-drive vehicle having a current license plate. The National Park Service ORV permit is available at the Oasis Visitor Center. Call for more information: (941) 695-1201.

BAG AND POSSESSION LIMITS:

1. Deer, wild hogs and bearded turkeys--Daily limit 1, season limit 2 for each game species (all hunts combined).

2. Gray squirrel, quail or rabbit--Daily limit 12, possession limit 24, for each game species.

3. Raccoon, opossum, armadillo, beaver, coyote, skunk and nutria--No bag limit.

4. Migratory game birds--See Migratory Game Bird Hunting Regulations pamphlet.

GENERAL WILDLIFE MANAGEMENT AREA REGULATIONS:

In addition to the regulations which follow, all general laws and regulations relating to wild animal life or freshwater aquatic life shall apply unless specifically excepted for this wildlife management area. Hunting or the taking of wildlife or fish on this area shall be allowed only during the open seasons and in the manner set forth herein.

1. Driving a metal object into any tree or hunting from a tree into which a metal object has been driven is prohibited.

2. It is illegal to cut or damage cattle fences.

3. Wild hogs may not be transported alive.

4. Fires are permitted only on designated camping areas or in back country campsites and must be completely extinguished prior to the user leaving the campsite.

5. It is unlawful for any person to leave any garbage or refuse or in any way litter in the management area. This includes dumping or draining of refuse or waste from any vehicle or trailer.

6. Hunters using the Bear Island Unit shall enter and exit ONLY through the designated entry point at the north end of Turner River Road or designated entry points along I-75. The I-75 access points are walk-in only and equipped with self-check station boxes.

7. Entering any fenced area within the Jetport area is prohibited.

8. The wanton or willful waste of wildlife is prohibited.

9. The removal of plants, rocks, minerals, animals or other natural objects is prohibited, except by written permit from National Park Service.

10. The head and evidence of sex may not be removed from the carcass of any deer on the area. Portions of the carcass may be removed immediately prior to cooking.

11. No person shall release any wildlife on this wildlife management area.

12. It is illegal to hunt over bait or place any bait or other food for wildlife on this wildlife management area.

13. Taking fox is prohibited.

14. Taking fox squirrel is prohibited.

15. Taking any turkey while it is on the roost is prohibited.

16. Killing swimming deer is prohibited.

17. Taking or attempting to take game with the aid of live decoys, traps, snares, nets, drugs, lights or recorded game calls is prohibited.

18. Any person hunting deer or accompanying another person hunting deer shall wear at least 500 square inches of daylight fluorescent-orange material above the waistline as an outer garment. This is not required when hunting during an archery-only season.

19. Deer and turkey may be dismembered in the field or camp, but each portion shall have a tag affixed to it identifying the name, address and hunting license number of the person who killed it; the date and location at which is was taken; and shall be readily traceable to the portion of the animal bearing the sex identification.

20. Constructing a building or other structures is prohibited.

GUNS OR DOGS:

21. The use or possession of a loaded firearm while under the influence of alcoholic beverages, chemical substances or controlled substances is prohibited (F.S. 790.151).

22. Hunting with gun and light is prohibited.

23. Hunting wildlife or the display or use of a gun in a manner capable of taking wildlife on or from the rights-of-way of County Roads 837, 839, 841, State Roads 84, 94, U.S. 41 and Burns Road is prohibited.

24. The use of guns other than muzzleloading guns or bow and arrow is prohibited in the Deep Lake Unit.

25. Authorized hunting equipment or dogs may be taken onto the area after 8 a.m. one day before the opening of the hunt and shall be removed from the area before 6 p.m. one day after the hunt.

26. For taking non-migratory game, only shotguns, rifles, pistols, longbows (including compound and recurved bows), crossbows (during the general gun hunt only) or birds of prey may be used.

27. For hunting deer, muzzleloading guns firing a single bullet must be at least .40 caliber; those firing two or more balls must be 20 gauge or larger.

28. Hunting deer with full-jacketed bullets or any rimfire cartridge is prohibited.

29. Fully automatic firearms, silencer-equipped firearms, centerfire semi-automatic rifles having a magazine capable of holding more than five rounds, explosive or drug-injecting devices and setguns are prohibited.

30. Guns or dogs are allowed only during periods in which their use for hunting is allowed.

31. Children under the age of 16 may not be in possession of a firearm unless in the presence of a supervising adult.

32. The possession of any firearm containing shells or cartridges or any capped or primed muzzleloading gun is prohibited at campsites or check stations. The discharge of firearms is prohibited on, from or across any campsite or check station.

33. Hunting deer or hogs with dogs is prohibited. All dogs are prohibited in the Loop unit. The possession of dogs customarily used for hunting (other than bird dogs and waterfowl retrievers) is prohibited during any period.

34. No person shall allow any dog to pursue or molest wildlife during any period in which hunting with dogs is prohibited.

VEHICLES:

NOTICE: You are responsible for knowing National Park Service regulations that apply to ORV use in the preserve. Please contact the Big

Cypress National Preserve office, HCR 61, Box 11, Ochopee, FL 33943 (941) 695-1201 regarding vehicle use regulations prior to your use of the preserve.

35. All vehicles, including airboats, used off roads shall have a National Park Service ORV permit. See Permit, Stamp and License Requirements for more information.

36. Vehicles shall not be parked in such a manner as to obstruct roads, gates, trails or firelanes.

37. All airboats used for taking wildlife, frogs or fish or for other recreational use must fly an orange flag at least 10 inches wide by 12 inches long at least 10 feet above the bottom of the vessel.

38. Only vehicles equipped with pneumatic tires may be operated on Jetport Road. Parking on the paved portion of Jetport Road is prohibited.

39. Vehicular use by the public on Eleven-Mile Road or the Florida Trail is prohibited. Vehicles may cross Eleven-Mile Road at designated and marked points only. Maps showing the location of crossings over Eleven-Mile Road are available at the Visitor Center.

40. No motor vehicle shall be operated on any part of the wildlife management area designated and posted as "CLOSED" because of inclement weather, poor road conditions, construction, management activities or wildlife surveys.

CAMPING:

41. Camping on the Bear Island Unit is permitted only at designated campsites by the use of tents, trailers or self-propelled camping vehicles. Camping is permitted on designated campsites on other units. Primitive camping is not limited to designated campsites except on Bear Island.

CHECK STATIONS:

42. Hunters shall check in at a designated check station when entering the area and check out at the same check station when exiting the area. A check station pass, issued at the check station, shall be retained in possession while hunting.

43. All game taken must be checked and tagged at a check station prior to removal from the area. It is important that as much of the animal as possible remains intact and that it be brought to the check station as soon as possible. Important biological data are obtained from the following animals or animal parts: deer (head, heart, kidney, liver), hog (head), turkey (wings and tail). If the animal is processed in the field, the above items should be brought to the check station along with the meat. Deer jawbones shall be saved and brought to the check station.

SEARCH:

44. A wildlife officer may search any camp, vehicle or boat when he or she reasonably believes a violation has been committed.

ARCHERY:

September 1 through 30, in all units and November 10 through January 1, in the Deep Lake Unit only.

Permit, Stamp and License Requirements--Hunting license, wildlife management area permit, archery permit (not required November 10 - January 1 in Deep Lake Unit), state waterfowl permit and federal waterfowl stamp (if hunting ducks), migratory bird permit (if hunting migratory game birds), quota hunt permits (see No. 3 under Permit, Stamp and License Information).

Legal to Take--Deer with one or more antlers at least five inches in length visible above the hairline, wild hogs with a shoulder height of 15 inches or more, gray squirrel, quail, rabbit, opossum, raccoon, beaver, coyote, armadillo, skunk, nutria, and migratory game birds in season.

Regulations Unique to the Archery Hunt--In addition to these regulations, all General Wildlife Management Area Regulations shall apply.

1. Possession of firearms or crossbows is prohibited, except shotguns are permitted for hunting migratory game birds in season on all units except Deep Lake.

2. The transportation of archery equipment on airboats during the archery season is prohibited.

3. Duck hunting during the early duck season is prohibited in the Bear Island and Deep Lake Units.

MUZZLELOADING GUN:

October 6 through 21, except in the Deep Lake Unit.

Permit, Stamp and License Requirements--Hunting license, wildlife management area permit, muzzleloading gun permit, special quota permit (if hunting on the Bear Island Unit during the first 9 days) or daily permit (after first 9 days in Bear Island Unit), migratory bird permit (if hunting migratory game birds).

Legal to Take--Deer with one or more antlers at least five inches in length visible above the hairline, wild hogs with a shoulder height of 15 inches or more, gray squirrel, quail, rabbit, opossum, raccoon, beaver, coyote, armadillo, skunk, nutria, and migratory game birds in season.

Regulations Unique to the Muzzleloading Gun Hunt--In addition to these regulations, all General Wildlife Management Area Regulations shall apply.

1. Only muzzleloading guns are allowed, except shotguns are permitted for hunting migratory game birds in season all units except Deep Lake.

2. The transportation of muzzleloading equipment on airboats during the muzzleloading gun season is prohibited.

GENERAL GUN:

November 10 through January 1, except in the Deep Lake Unit.

Permit, Stamp and License Requirements--Hunting license, wildlife management area permit, regular quota hunt permit (if hunting during November 10 - 25 and December 22 - January 1), daily hunt permit required on Bear Island Unit if hunting during non-quota periods, state waterfowl permit and federal waterfowl stamp (if hunting ducks), migratory bird permit (if hunting migratory game birds).

Legal to Take--Deer with one or more antlers at least five inches in length visible above the hairline, wild hogs with a shoulder height of 15 inches or more, gray squirrel, quail, rabbit, opossum, raccoon, beaver, coyote, armadillo, skunk, nutria, and migratory game birds in season.

Regulations Unique to the General Gun Hunt--All General Wildlife Management Area Regulations shall apply and bird dogs and waterfowl retrievers are permitted except in Loop Unit.

SMALL GAME:

January 2 through February 3.

Permit, Stamp and License Requirements--Hunting license, wildlife management area permit, state waterfowl permit and federal waterfowl stamp (if hunting ducks), migratory bird permit (if hunting migratory game birds).

Legal to Take--Gray squirrel, quail, rabbit, opossum, raccoon, beaver, coyote, armadillo, skunk, nutria, migratory game birds in season.

Regulations Unique to the Small Game Hunt--In addition to these regulations, all General Wildlife Management Area Regulations shall apply.

1. The possession of centerfire rifles is prohibited.

2. The use of guns other than muzzleloading guns or bow and arrow is prohibited in the Deep Lake Unit.

3. Bird dogs and waterfowl retrievers are permitted, except in the Loop Unit.

SPRING TURKEY:

March 2 through April 7.

Permit, Stamp and License Requirements--Hunting license, wildlife management area permit and wild turkey permit.

Legal to Take--Bearded turkeys or gobblers.

Regulations Unique to the Spring Turkey Hunt--In addition to these regulations, all General Wildlife Management Area Regulations shall apply.

1. Legal shooting hours are one-half hour before sunrise until 1 p.m.

2. The use of guns other than muzzleloading guns or bow and arrow is prohibited in the Deep Lake Unit.

MIGRATORY GAME BIRDS:

Mourning doves, white-winged doves, snipe, rail, moorhen, ducks, coots, woodcock and crows may be hunted during seasons established for these species which coincide with the archery, muzzleloading gun, general gun and small game hunts. Ducks may also be taken during the early duck season (except in the Bear Island and Deep Lake units). Centerfire shotguns are permitted on the area (except in the Deep Lake Unit) for hunting migratory game birds when one or more of these species are legal to take.

Permit, Stamp and License Requirements--Hunting license, wildlife management area permit, migratory bird permit, state waterfowl permit and federal waterfowl stamp (if hunting ducks). Quota permit if hunting during any designated quota period.

Regulations Unique to Migratory Game Birds--See Migratory Game Bird Hunting Regulations pamphlet. In addition to these regulations, all wildlife management area regulations contained in this pamphlet shall apply and the use of lead shot for taking ducks and coots is prohibited.

FISHING AND FROGGING:

Permitted throughout the year. **Frogs may taken only by the use of gigs.**

NATIONAL PARK SERVICE REGULATIONS:

This area is a national preserve and Big Cypress National Preserve regulations shall apply. For further information, contact the Big Cypress National Preserve, HCR 61 Box 11, Ochopee, Florida 34141, (941) 695-1201 or visit the Big Cypress National Preserve home page at <http://www/nps.gov/bicy>. For current hunter information call the 24-hour telephone line (941) 695-2040.

1. Any open container of an alcoholic beverage is prohibited in or on all motor vehicles, including off-road vehicles and airboats.

2. Loaded weapons cannot be carried in/on a motor vehicle, including off-road vehicles and moving airboats. Weapons in a vehicle must be packed, cased or stored, not available for ready use.

3. Weapons cannot be discharged from a motor vehicle, including off-road vehicles. A weapon may, however, be discharged from an airboat when the vessel is not under power and is stopped.

4. All private property owners in the preserve are required to obtain a burning permit from the National Park Service prior to conducting any burn on their property. Permits can be obtained by calling (941) 695-1201 between 9 a.m. and 4:30 p.m. daily.

5. Target practice and random discharge of firearms is prohibited.

6. The preserve is closed to the viewing of wildlife with an artificial light, except that artificial lights may be used during frogging activities.

7. The destruction, detachment or removal of any natural or cultural feature or non-renewable resource is prohibited.

8. Camping equipment and property left unattended for a period of more than 24 hours must be marked and identified in a prominent location with owner's name, address and telephone number.

9. **Dead wood lying on the ground may be collected as fuel for campfires within the preserve.**

10. Commercial taking of frogs is prohibited. Recreational frogging for personal use is permitted.

11. **ORV use is prohibited between 10 p.m. and 5 a.m.**

12. **Primitive campsites must be located at least 1/4 mile from and out of site of, designated state or county roads.**

13. **Dogs and cats under physical constraint are permitted only within 50 feet of established front county roads and parking areas except dogs may be used as authorized by state regulations for hunting purposes (birds dogs and retrievers only) and dogs may be transported by private property owners within the preserve when and as authorized by a Special Use Access Permit.**

14. **The taking, feeding, or intentional disturbance of wildlife (including snakes and other reptiles) is prohibited except as authorized by specific hunting regulations.**

GENERAL INFORMATION:

1. Small tracts of private property are located within the boundary of the wildlife management area. These lands may be posted against trespass and should not be considered as part of the wildlife management area.

2. Anyone born on or after June 1, 1975 must have passed a Commission-approved hunter safety course prior to being issued a hunting license.

3. A marked footpath called the Florida Trail traverses the area.

4. If you have any questions about this material, please call the Florida Fish and Wildlife Conservation Commission at (561) 625-5122 {(800) 955-8771 (TDD)}.

COOPERATION REQUESTED:

PLEASE DO NOT LITTER. TAKE OUT TRASH WITH YOU.

In recent years, unauthorized and uncontrolled fires have caused severe damage to area wildlife and wildlife habitats. Controlled fires are beneficial only when they are of the proper size and location, and when area conditions are suitable. UNCONTROLLED FIRES DO NOT BENEFIT WILDLIFE. Please use caution with campfires, smoking materials and vehicles to prevent damage to wildlife habitats.

The U.S. Department of the Interior prohibits discrimination on the basis of race, color, national origin, age, sex or handicap. If you believe that you have been discriminated against in any program, activity or facility as described above, or if you desire further information, please write to: The Office for Human Resources, U.S. Fish and Wildlife Service, Department of the Interior, Washington, D.C. 20240.

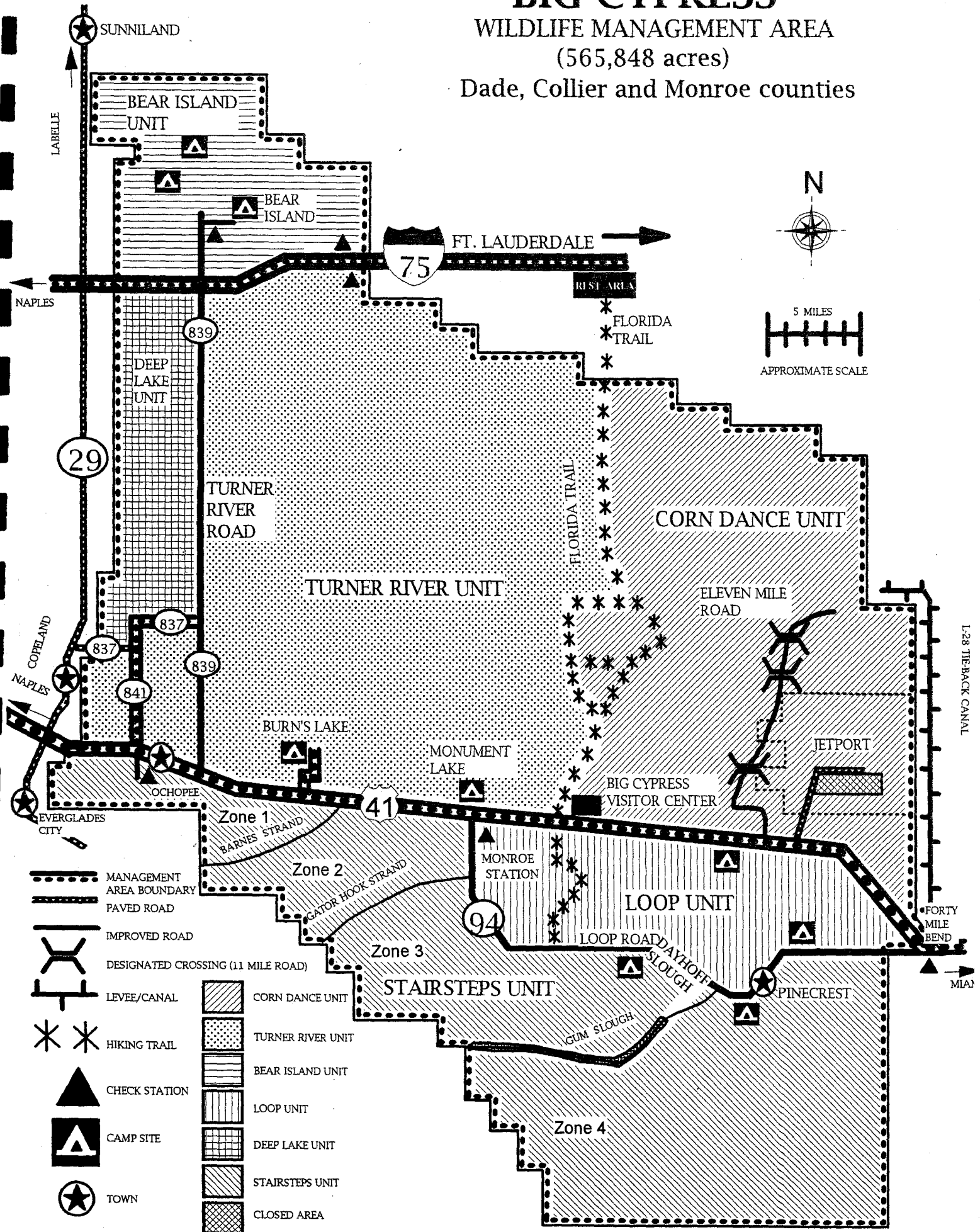
The project described in this publication is part of a program funded by federal dollars under the Wildlife Restoration Act. Federal funds pay \$2,447,718 or 39 percent of the cost of the program.

BIG CYPRESS

WILDLIFE MANAGEMENT AREA

(565,848 acres)

Dade, Collier and Monroe counties



APPENDIX B. Deer survey data, Big Cypress WMA, 1984-2002.

Table A. Number of deer observed per mile during aerial surveys of the eastern Stairsteps unit, 1984-2000.

Survey	Transect Number	Left Observer	Right Observer	Total Deer	Average Deer/mile
Pre-hunt	1	0	10	10	1.03
August 1984	2	0	3	3	0.31
	3	1	2	3	0.31
	4	0	2	2	0.21
				18	0.46 (a)
Pre-hunt	1 (55)	0	1	1	0.16
August 1985	2	3	2	5	0.81
	3	0	2	2	0.27
	4	6	9	15	1.72
	5	3	0	3	0.30
	6	1	4	5	0.51
	7	4	2	6	0.54
	8 (62)	1	3	4	0.36
				41	0.64 (b)
Post-hunt	1 (55)	0	0	0	0.00
February 1986	2	0	1	1	0.16
	3	2	1	3	0.40
	4	4	4	8	0.92
	5	2	2	4	0.40
	6	2	3	5	0.51
	7	0	0	0	0.00
	8 (62)	1	2	3	0.27
				24	0.38 (c)

Appendix B., Table A. continued

Survey	Transect Number	Left Observer	Right Observer	Total Deer	Average Deer/mile
Pre-hunt	1 (55)	0	0	0	0.00
August 1986	2	0	1	1	0.16
(1 of 2)	3	0	7	7	0.95
	4	2	5	7	0.80
	5	2	0	2	0.20
	6	2	0	2	0.20
	7	0	3	3	0.27
	8 (62)	3	3	6	0.54
				28	0.44 (d)
Pre-hunt	1 (55)	0	1	1	0.16
August 1986	2	2	0	2	0.32
(2 of 2)	4	7	9	16	1.83
	5	0	3	3	0.30
	6	0	2	2	0.20
	7	1	1	2	0.18
	8 (62)	3	4	7	0.63
				33	0.52 (e)
Post-hunt	1 (55)	0	0	0	0.00
February 1987	2	0	0	0	0.00
	3	0	0	0	0.00
	4	4	3	7	0.80
	5	4	0	4	0.40
	6	3	2	5	0.51
	7	3	0	3	0.27
	8 (62)	6	0	6	0.54
				25	0.39 (f)

Appendix B., Table A. continued

Survey	Transect Number	Left Observer	Right Observer	Total Deer	Average Deer/mile
Annual	1 (55)	0	0	0	0.00
May 1987	2	2	0	2	0.32
(1 of 2)	3	0	0	0	0.00
	4	0	1	1	0.11
	5	0	0	0	0.00
	6	0	0	0	0.00
	7	0	0	0	0.00
	8 (62)	0	1	1	0.09
				4	0.06 (g)
Annual	1 (55)	0	0	0	0.00
May 1987	2	0	0	0	0.00
(2 of 2)	3	0	0	0	0.00
	4	1	0	1	0.11
	5	0	0	0	0.00
	6	1	0	1	0.10
	7	0	0	0	0.00
	8 (62)	0	0	0	0.00
				2	0.03 (h)
Annual	1 (55)	0	1	1	0.22
May 1988	2	3	0	3	0.42
	3	0	0	0	0.00
	4	8	4	12	1.45
	5	3	2	5	0.59
	6	4	0	4	0.41
	7	10	4	14	1.35
	8 (62)	6	6	12	1.16
				51	0.77 (i)

Appendix B., Table A. continued

Survey	Transect Number	Left Observer	Right Observer	Total Deer	Average Deer/mile
Annual	1 (55)	0	9	9	1.96
June 1989	2	5	0	5	0.70
	3	2	3	5	0.67
	4	9	13	22	2.66
	5	3	2	5	0.59
	6	0	2	2	0.20
	7	2	0	2	0.19
	8 (62)	10	4	14	1.35
				64	0.96 (j)
Annual	1 (55)	1	0	1	0.20
June 1990	2	3	0	3	0.41
	3	0	3	3	0.38
	4	6	4	10	1.24
	5	0	3	3	0.37
	6	2	1	3	0.32
	7	0	0	0	0.00
	8 (62)	0	0	0	0.00
				23	0.35 (k)
Annual	1 (55)	0	2	2	0.40
June 1991	2	2	1	3	0.41
(1 of 2)	3	0	0	0	0.00
	4	4	6	10	1.24
	5	0	1	1	0.12
	6	2	3	5	0.54
	7	1	0	1	0.10
	8 (62)	3	4	7	0.71
				29	0.44 (l)

Appendix B., Table A. continued

Survey	Transect Number	Left Observer	Right Observer	Total Deer	Average Deer/mile
Annual	1 (55)	0	0	0	0.00
June 1991	2	0	1	1	0.14
(2 of 2)	3	1	1	2	0.26
	4	6	2	8	0.99
	5	0	1	1	0.12
	6	5	2	7	0.75
	7	2	3	5	0.51
	8 (62)	3	2	5	0.51
				29	0.44 (m)
Annual	1 (55)	0	0	0	0.00
June 1992	2	2	7	9	1.24
(1 of 2)	3	0	2	2	0.26
	4	0	1	1	0.12
	5	0	1	1	0.12
	6	2	2	4	0.21
	7	0	0	0	0.00
	8 (62)	0	0	0	0.00
				15	0.23 (n)
Annual	1 (55)	0	0	0	0.00
June 1992	2	0	1	1	0.14
(2 of 2)	3	0	0	0	0.00
	4	0	1	1	0.12
	5	1	0	1	0.12
	6	0	0	0	0.00
	7	0	0	0	0.00
	8 (62)	0	0	0	0.00
				3	0.05 (o)

Appendix B., Table A. continued

Survey	Transect Number	Left Observer	Right Observer	Total Deer	Average Deer/mile
Annual	1 (55)	0	1	1	0.20
June 1993	2	0	0	0	0.00
(1 of 2)	3	0	2	2	0.25
	4	6	0	6	0.75
	5	0	10	10	1.21
	6	0	3	3	0.33
	7	0	0	0	0.00
	8 (62)	0	2	2	0.22
				24	0.37 (p)
Annual	1 (55)	0	0	0	0.00
June 1993	2	0	0	0	0.00
(2 of 2)	3	1	0	1	0.12
	4	1	0	1	0.12
	5	1	5	6	0.72
	6	0	0	0	0.00
	7	0	0	0	0.00
	8 (62)	1	0	1	0.11
				9	0.14 (q)
Annual	1 (55)	0	0	0	0.00
June 1994	2	0	0	0	0.00
(1 of 2)	3	0	0	0	0.00
	4	0	6	6	0.75
	5	0	0	0	0.00
	6	1	0	1	0.11
	7	1	0	1	0.10
	8 (62)	4	0	4	0.41
				12	0.18 (r)

Appendix B., Table A. continued

Survey	Transect Number	Left Observer	Right Observer	Total Deer	Average Deer/mile
Annual	1(55)	0	0	0	0.00
June 1994	2	0	0	0	0.00
(2 of 2)	3	0	0	0	0.00
	4	1	0	1	0.12
	5	1	2	3	0.37
	6	3	1	4	0.43
	7	2	5	7	0.71
	8(62)	1	0	1	0.10
				16	0.24 (s)
Annual	1(55)	0	0	0	0.00
June 1995	2	0	0	0	0.00
(1 of 2)	3	0	0	0	0.00
	4	0	0	0	0.00
	5	1	2	3	0.37
	6	3	2	5	0.55
	7	1	0	1	0.11
	8(62)	8	0	8	0.82
				17	0.27 (t)
Annual	1(55)	0	0	0	0.00
June 1995	2	0	0	0	0.00
(2 of 2)	3	0	0	0	0.00
	4	0	0	0	0.00
	5	0	5	5	0.62
	6	0	0	0	0.00
	7	0	0	0	0.00
	8(62)	0	0	0	0.00
				5	0.08 (u)

Appendix B. Table A. continued.

Survey	Transect Number	Left Observer	Right Observer	Total Deer	Average Deer/mile
Annual	1 (55)	0	0	0	0.00
June 1996	2	0	0	0	0.00
(1 of 2)	3	0	0	0	0.00
	4	0	0	0	0.00
	5	2	0	2	0.27
	6	0	0	0	0.00
	7	0	0	0	0.00
	8 (62)	0	1	1	0.10
				3	0.05 (v)
Annual	1 (55)	0	1	1	0.20
June 1996	2	0	6	6	0.83
(2 of 2)	3	0	0	0	0.00
	4	3	0	3	0.45
	5	1	0	1	0.16
	6	1	0	1	0.11
	7	0	0	0	0.00
	8 (62)	2	1	3	0.30
				15	0.24 (w)
Annual	1	0	0	0	0.00
July 1997	2	3	2	5	0.69
(1 of 2)	3	4	3	7	0.92
	4	6	12	18	2.27
	5	3	1	4	0.53
	6	4	3	7	0.77
	7	2	7	9	0.92
	8	1	4	5	0.89
				55	0.92 (x)

Appendix B. Table A. continued

Survey	Transect Number	Left Observer	Right Observer	Total Deer	Average Deer/mile
Annual	1	0	2	2	0.39
July 1997	2	1	1	2	0.28
(2 of 2)	3	4	5	9	1.19
	4	0	6	6	0.76
	5	0	3	3	0.40
	6	0	3	3	0.33
	7	1	0	1	0.10
	8	0	0	0	0.00
				26	0.41 (y)
Annual	1	0	0	0	0.00
June 1998	2	1	0	1	0.13
(1 of 2)	3	1	3	4	0.45
	4	0	2	2	0.25
	5	1	1	2	0.22
	6	2	1	3	0.32
	7	1	2	3	0.30
	8	1	0	1	0.17
				16	0.25 (z)
Annual	1	0	0	0	0.00
June 1998	2	1	0	1	0.13
(2 of 2)	3	1	1	2	0.25
	4	2	2	4	0.50
	5	0	3	3	0.33
	6	8	0	8	0.85
	7	0	0	0	0.00
	8	0	1	1	0.09
				19	0.28 (aa)

Appendix B., Table A. continued

Survey	Transect Number	Left Observer	Right Observer	Total Deer	Average Deer/mile
Annual	1 (55)	1	1	2	0.39
June 1999	2	6	5	11	1.52
	3	7	3	10	1.32
	4	9	5	14	1.76
	5	3	4	7	0.94
	6	8	12	20	2.20
	7	17	0	17	1.74
	8 (62)	7	3	10	1.77
				3	1.52 (ab)
Annual	1 (55)	0	2	2	0.40
June 2000	2	2	4	6	0.87
(1 of 2)	3	2	4	6	0.78
	4	5	8	13	1.64
	5	6	3	9	1.15
	6	6	6	12	1.30
	7	1	2	3	0.39
	8 (62)	0	0	0	0
				51	0.79 (ac)
Annual	1 (55)	5	0	5	0.99
June 2000	2	8	2	10	1.34
(2 of 2)	3	5	0	5	0.66
	4	1	4	5	0.61
	5	2	0	2	0.26
	6	0	7	7	0.81
	7	2	0	2	0.20
	8 (62)	0	4	4	0.43
				40	0.62 (ad)

Appendix B., Table A. continued

Survey	Transect Number	Left Observer	Right Observer	Total Deer	Average Deer/mile
Annual	1 (55)	0	1	1	0.19
June 2001	2	0	0	0	0.00
(1 of 2)	3	0	0	0	0.00
	4	0	0	0	0.00
	5	0	0	0	0.00
	6	0	0	0	0.00
	7	5	1	6	0.61
	8 (62)	2	3	5	0.50
				12	0.18 (ae)
Annual	1 (55)	0	0	0	0.00
June 2001	2	0	0	0	0.00
(2 of 2)	3	0	0	0	0.00
	4	2	1	3	0.37
	5	0	1	1	0.13
	6	1	5	6	0.66
	7	0	0	0	0.00
	8 (62)	2	0	2	0.20
				12	0.18 (af)
Annual	1 (55)	0	0	0	0.00
June 2002	2	1	0	1	0.13
(1 of 2)	3	3	2	5	0.65
	4	8	9	17	2.14
	5	4	4	8	1.07
	6	12	15	27	2.97
	7	4	2	6	0.61
	8 (62)	2	8	10	1.01
				74	1.15 (ag)

Appendix B., Table A. continued

Survey	Transect Number	Left Observer	Right Observer	Total Deer	Average Deer/mile
Annual	1 (55)	0	0	0	0.00
June 2002	2	0	2	2	0.27
(2 of 2)	3	1	7	8	1.05
	4	3	6	9	1.13
	5	1	11	12	1.60
	6	4	8	12	1.32
	7	6	0	6	0.61
	8 (62)	10	13	23	2.32
				72	1.12 (ah)

Appendix B., Table A. continued

(a) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.46 \text{ deer}/72.7 \text{ acres} \times 1/1.00 = 1 \text{ deer}/158 \text{ acres}.$
2. 50% of animals observed: $.46 \text{ deer}/72.7 \text{ acres} \times 1/.50 = 1 \text{ deer}/79 \text{ acres}.$
3. 40% of animals observed: $.46 \text{ deer}/72.7 \text{ acres} \times 1/.40 = 1 \text{ deer}/63 \text{ acres}.$

(b) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.64 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/124 \text{ acres}.$
2. 50% of animals observed: $.64 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/62 \text{ acres}.$
3. 40% of animals observed: $.64 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/50 \text{ acres}.$

(c) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.38 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/209 \text{ acres}.$
2. 50% of animals observed: $.38 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/104 \text{ acres}.$
3. 40% of animals observed: $.38 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/83 \text{ acres}.$

(d) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.44 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/180 \text{ acres}.$
2. 50% of animals observed: $.44 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/90 \text{ acres}.$
3. 40% of animals observed: $.44 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/72 \text{ acres}.$

(e) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.52 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/152 \text{ acres}.$
2. 50% of animals observed: $.52 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/76 \text{ acres}.$
3. 40% of animals observed: $.52 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/61 \text{ acres}.$

(f) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.39 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/200 \text{ acres}.$
2. 50% of animals observed: $.39 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/100 \text{ acres}.$
3. 40% of animals observed: $.39 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/80 \text{ acres}.$

(g) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.06 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/1,322 \text{ acres}.$
2. 50% of animals observed: $.06 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/661 \text{ acres}.$
3. 40% of animals observed: $.06 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/529 \text{ acres}.$

(h) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.03 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/2,643 \text{ acres}.$
2. 50% of animals observed: $.03 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/1,322 \text{ acres}.$
3. 40% of animals observed: $.03 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/1,057 \text{ acres}.$

(i) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.77 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/103 \text{ acres}.$
2. 50% of animals observed: $.77 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/51 \text{ acres}.$
3. 40% of animals observed: $.77 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/41 \text{ acres}.$

Appendix B., Table A. continued

(j) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.96 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/83 \text{ acres}.$
2. 50% of animals observed: $.96 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/41 \text{ acres}.$
3. 40% of animals observed: $.96 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/33 \text{ acres}.$

(k) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.35 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/227 \text{ acres}.$
2. 50% of animals observed: $.35 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/113 \text{ acres}.$
3. 40% of animals observed: $.35 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/91 \text{ acres}.$

(l) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.44 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/180 \text{ acres}.$
2. 50% of animals observed: $.44 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/90 \text{ acres}.$
3. 40% of animals observed: $.44 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/72 \text{ acres}.$

(m) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.44 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/180 \text{ acres}.$
2. 50% of animals observed: $.44 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/90 \text{ acres}.$
3. 40% of animals observed: $.44 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/72 \text{ acres}.$

(n) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.23 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/345 \text{ acres}.$
2. 50% of animals observed: $.23 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/173 \text{ acres}.$
3. 40% of animals observed: $.23 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/138 \text{ acres}.$

(o) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.05 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/1586 \text{ acres}.$
2. 50% of animals observed: $.05 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/795 \text{ acres}.$
3. 40% of animals observed: $.05 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/636 \text{ acres}.$

(p) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.37 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/214 \text{ acres}.$
2. 50% of animals observed: $.37 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/107 \text{ acres}.$
3. 40% of animals observed: $.37 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/86 \text{ acres}.$

(q) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.14 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/566 \text{ acres}.$
2. 50% of animals observed: $.14 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/283 \text{ acres}.$
3. 40% of animals observed: $.14 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/226 \text{ acres}.$

(r) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.18 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/441 \text{ acres}.$
2. 50% of animals observed: $.18 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/220 \text{ acres}.$
3. 40% of animals observed: $.18 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/176 \text{ acres}.$

Appendix B., Table A. continued

(s) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.24 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/330 \text{ acres}.$
2. 50% of animals observed: $.24 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/165 \text{ acres}.$
3. 40% of animals observed: $.24 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/132 \text{ acres}.$

(t) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.27 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/293 \text{ acres}.$
2. 50% of animals observed: $.27 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/147 \text{ acres}.$
3. 40% of animals observed: $.27 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/117 \text{ acres}.$

(u) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.08 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/991 \text{ acres}.$
2. 50% of animals observed: $.08 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/496 \text{ acres}.$
3. 40% of animals observed: $.08 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/396 \text{ acres}.$

(v) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.08 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/1586 \text{ acres}.$
2. 50% of animals observed: $.08 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/793 \text{ acres}.$
3. 40% of animals observed: $.08 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/634 \text{ acres}.$

(w) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.08 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/330 \text{ acres}.$
2. 50% of animals observed: $.08 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/165 \text{ acres}.$
3. 40% of animals observed: $.08 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/132 \text{ acres}.$

(x) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.92 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/86 \text{ acres}.$
2. 50% of animals observed: $.92 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/43 \text{ acres}.$
3. 40% of animals observed: $.92 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/34.4 \text{ acres}.$

(y) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.41 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/193 \text{ acres}.$
2. 50% of animals observed: $.41 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/96.5 \text{ acres}.$
3. 40% of animals observed: $.41 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/77.2 \text{ acres}.$

(z) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.25 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/317 \text{ acres}.$
2. 50% of animals observed: $.25 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/158 \text{ acres}.$
3. 40% of animals observed: $.25 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/127 \text{ acres}.$

(aa) Density estimates based on 10% area coverage:

1. 100% of animals observed: $.28 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/283 \text{ acres}.$
2. 50% of animals observed: $.28 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/142 \text{ acres}.$
3. 40% of animals observed: $.28 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/113 \text{ acres}.$

Appendix B., Table A. continued

(ab) Density estimates based on 10% area coverage:

1. 100% of animals observed: $1.52 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/52.2 \text{ acres}.$
2. 50% of animals observed: $1.52 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/26.1 \text{ acres}.$
3. 40% of animals observed: $1.52 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/20.9 \text{ acres}.$

(ac) Density estimates based on 10% area coverage:

1. 100% of animals observed: $0.75 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/105.7 \text{ acres}.$
2. 50% of animals observed: $0.75 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/52.9 \text{ acres}.$
3. 40% of animals observed: $0.75 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/42.3 \text{ acres}.$

(ad) Density estimates based on 10% area coverage:

1. 100% of animals observed: $0.62 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/127.9 \text{ acres}.$
2. 50% of animals observed: $0.62 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/64.0 \text{ acres}.$
3. 40% of animals observed: $0.62 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/51.2 \text{ acres}.$

(ae) Density estimates based on 10% area coverage:

1. 100% of animals observed: $0.18 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/440.5 \text{ acres}$
2. 50% of animals observed: $0.18 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/220.3 \text{ acres}$
3. 40% of animals observed: $0.18 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/176.2 \text{ acres}$

(af) Density estimates based on 10% area coverage:

1. 100% of animals observed: $0.18 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/440.5 \text{ acres}$
2. 50% of animals observed: $0.18 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/220.3 \text{ acres}$
3. 40% of animals observed: $0.18 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/176.2 \text{ acres}$

(ag) Density estimates based on 10% area coverage:

1. 100% of animals observed: $1.15 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/68.9 \text{ acres}$
2. 100% of animals observed: $1.15 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/34.5 \text{ acres}$
3. 100% of animals observed: $1.15 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/27.5 \text{ acres}$

(ah) Density estimates based on 10% area coverage:

1. 100% of animals observed: $1.12 \text{ deer}/79.3 \text{ acres} \times 1/1.00 = 1 \text{ deer}/70.8 \text{ acres}$
2. 100% of animals observed: $1.12 \text{ deer}/79.3 \text{ acres} \times 1/.50 = 1 \text{ deer}/35.4 \text{ acres}$
3. 100% of animals observed: $1.12 \text{ deer}/79.3 \text{ acres} \times 1/.40 = 1 \text{ deer}/28.3 \text{ acres}$

APPENDIX C. Summary of vehicle survey results conducted on the Big Cypress WMA.

Appendix C. Summary of vehicle surveys conducted on Big Cypress Wildlife Management Area during selected hunting seasons, 1984-2002.
Vehicles only

	84-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92	92-93	93-94	94-95i	95-96j	96-97	97-98	98-99	99-00	00-01	2001-02
ARCHERY																		
Opening weekend	141	90	91	140	109	109	99	141	67	135	156	124	104	136	99	161	120	119
1st week	74	60	42	58	100	49	71	57	49	67	71	69	52	62	75	85	40	83
2nd week	61	45	58	52	80	54	43	82	49	60	71	53	41	53	40	49	48	47
3rd week	79	56	56	49	67	64	53	54	65	65	84	54	43	44	44	40	46	44
4th week							51	52	27f	51	45	41	45	44	32	46	30	23
MUZZLELOADING																		
Opening weekend	179	111d	155	104	178	137	133	151	142f	129	152	96	115	113	155	133k	130	129
1st week	121	71	110	81	150	68	74	119f	126f	77	113	82	62	92	66	8k	64	85
2nd week	97	81	103	90	141	78	82	102	97f	104	123	67	58	61	66	k	82	88
GENERAL GUN																		
Opening weekend	406	348	371	389	422	373	285	408	266f	252	203	158	144	186	214	81k	178	205
midweek	53	49																
1st week	242	179	224	208	235	176	244	234f	147f	186	99	98	124	120	147	33k	102	109
2nd week	307	171	152	139	289	220	98	252f	212f	238	82	166	106	126	145	84k	106	119
3rd week	206	250	210	181	190	227	204	203f	273f	204	73	110	82	95	116	79k	116	92
4th week	225	137	141	114	306	369	217	220f	205f	157	88	130	78	69	120	53k	88	109
5th week	177	105	126	125	190	242	204	173f	143f	192	113	169	62	75	90	86k	87	90
6th week	138	78	115	126	194	218	200	308f	300f	73h	45	88	94	121	59	6k	36	53
7th week	245	167	182	138	179	194	145	e	e	249	121	145	e	e	123	52k	78	105
8th week	338	249	247	234	92	147											36	
9th week																		

Appendix C. Summary of vehicle surveys conducted on Big Cypress Wildlife Management Area during selected hunting seasons, 1984-2002.
ATC

	84-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92	92-93	93-94	94-95i	95-96j	96-97	97-98	98-99	99-00	00-01	2001-02
ARCHERY																		
Opening weekend	56	21	6	2	4	6	6	9	19	17	30	20	20	30	41	72	37	16
1st week	18	4	3	2	2	0	5	10	4	11	14	12	18	30	24	19	13	10
2nd week	36	2	8	2	1	1	4	7	5	5	16	7	16	13	17	22	16	0
3rd week	29	9	3	6	4	0	6	12	5	10	18	10	7	5	5	14	30	7
4th week							3	8	8f	6	19	8	7	10	18	15	16	3
MUZZLELOADING																		
Opening weekend	54	10d	6	1	2	4	10	17	22f	16	19	33	28	30	31	21k	34	29
1st week	48	9	3	0	6	2	6	20f	22f	17	23	16	10	27	30	2k	43	13
2nd week	31	7	6	0	4	1	5	15	10f	14	21	17	25	23	49	k	25	16
GENERAL GUN																		
Opening weekend	134	41	34	11	34	14	14	60	71f	57	16	7	32	56	72	15k	42	22
midweek	28	12																
1st week	66	33	18	4	15	17	19	27f	35f	26	13	13	34	37	42	20k	28	19
2nd week	96	10	6	0	9	13	6	41f	51f	37	25	19	49	50	57	23k	18	24
3rd week	69	17	21	2	7	8	11	39f	33f	29	7	20	33	29	29	30k	32	24
4th week	63	10	4	2	19	24	53	25f	32f	41	12	17	82	16	98	29k	21	21
5th week	52	9	3	4	3	5	9	18f	17f	20	9	30	32	98	61	35k	29	16
6th week	55	4	6	8	3	9	11	29f	32f	5h	2	6	50	16	27	5k	13	11
7th week	89	7	5	2	7	6	14	e	e	45	5	19	e	e	78	20k	26	16
8th week	79	10	7	0	16	3											13	
9th week																		

Appendix C. Summary of vehicle surveys conducted on Big Cypress Wildlife Management Area during selected hunting seasons, 1984-2002.
Swamp Buggy

	84-85	85-86	86-87	87-88	88-89	89-90	90-91	91-92	92-93	93-94	94-95i	95-96j	96-97	97-98	98-99	99-00	00-01	2001-02
ARCHERY																		
Opening weekend	32	38	32	53	45	63	51	58	43	53	59	43	52	61	62	73	59	46
1st week	19	18	11	29	33	28	34	24	33	26	28	23	22	39	20	31	19	23
2nd week	13	21	17	16	37	44	33	31	38	22	35	23	23	33	26	20	18	9
3rd week	23	29	28	26	34	48	24	20	35	36	20	24	27	18	18	23	21	16
4th week							24	22	25f	32	16	24	11	24	26	26	28	18
MUZZLELOADING																		
Opening weekend	87	39d	73	71	100	104	65	70	77f	83	73	55	82	93	97	99k	111	103
1st week	53	55	48	54	67	69	48	81f	63f	48	47	42	52	65	65	20k	69	72
2nd week	43	38	42	61	64	50	33	41	46f	45	52	17	36	42	72	k	50	43
GENERAL GUN																		
Opening weekend	219	157	165	191	246	174	143	116	114f	123	103	31	82	126	140	86k	130	157
midweek	61	61																
1st week	94	91	107	132	96	125	97	67f	78f	58	57	14	72	52	87	62k	90	76
2nd week	87	60	58	80	124	114	42	86f	82f	81	34	44	69	90	99	65k	68	86
3rd week	64	110	79	121	60	89	63	75f	84f	66	25	41	56	59	55	50k	46	43
4th week	68	49	60	75	122	180	69	56f	69f	75	14	35	53	51	75	51k	72	61
5th week	59	50	56	67	69	107	61	42f	71f	61	14	48	42	52	65	72k	58	75
6th week	43	45	53	53	103	97	68	78f	83f	8h	3	22	81	56	47	16k	32	57
7th week	93	67	74	62	107	82	31	e	e	82	8	43	e	e	75	44k	47	77
8th week	93	92	102	84	53	50												
9th week																	32	

Appendix C. Summary of vehicle surveys conducted on Big Cypress Wildlife Management Area during selected hunting seasons, 1984-2002.

Airboat

	84-85	85-86	86-87	87-88c	88-89c	89-90c	90-91c	91-92	92-93	93-94	94-95i	95-96j	96-97	97-98	98-99	99-00	00-01	2001-02
ARCHERY																		
Opening weekend	4	5	2c	12	15	32	2	7	2	8	22	3	13	46	17	32	15	13
1st week	7	12	4c	0	9	17	8	2	1	7	6	2	15	28	11	15	7	2
2nd week	6	4	17c	19	25	29	7	2	3	6	23	4	15	20	9	13	3	2
3rd week	10	0	15c	0	5	15	8	8	0	6	11	0	12	11	11	18	15	8
4th week							4	0	3f	16	15	9	11	9	5	9	7	1
MUZZLELOADING																		
Opening weekend	19	9d	7c	15	13	23	6	8	9f	4	16	6	21	42	28	1k	32	42
1st week	12	7	6c	28	31	17	13	9f	8f	12	25	3	16	34	9	18k	27	8
2nd week	9	7	6c	8	47	40	4	5	9f	24	15	3	17	15	18	0k	21	6
GENERAL GUN																		
Opening weekend	140	128	114c	146	227	222	82	101	90f	123	5	0	90	61	96	3k	55	44
midweek	24c	29c																
1st week	57	32	50c	74	89	103	8	55f	38f	81	0	4	64	28	31	0k	9	32
2nd week	30	21	29c	36	55	44	0	34f	37f	70	2	3	51	32	28	3k	15	21
3rd week	26	2	32c	46	44	37	0	26f	81f	42	0	6	48	42	27	0k	19	17
4th week	31	16	18c	35	41	103	0	18f	35f	28	0	5	46	20	34	3k	15	24
5th week	7	11	12c	21	53	57	6	36f	23f	20	0	45	20	28	16	11k	21	21
6th week	15	10	17c	28	31	18	0	28f	59f	6h	0	74	36	38	20	0k	20	15
7th week	16	18	31c	36	38	26	0	e	e	53	0	64	e	e	54	35k	0	21
8th week	33	12	56c	62	20	11												
9th week																	20	

c) Includes Mitchell's Landing.

d) Main campground (Bear Island) not counted.

e) No vehicle count-check in/out forms used to determine pressure.

f) Excludes 31 MM at Alligator Alley (I-75).

g) Excludes all Alligator Alley (I-75) segments.

h) Survey occurred on Christmas Day.

i) Stairsteps and Loop Units closed and Corn Dance and Turner River Units partially closed during General Gun Season.

j) Various closures in effect; consult text for specifics. All: Excluded S-12, S-12A and Bear Island other sites.

k) Closures during Muzzle Loading and General Gun Seasons throughout all Units.