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## WOOD STORKS

### Mycteria americana

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#### DESCRIPTION

The Wood Stork, also known as wood ibis or flint head is one of the largest wading birds found in Florida. It stands more than 3.5 feet (107 centimeters) tall with a wingspan of more than 5 feet (150 centimeters). The Wood Stork's body is white except for a short black tail and black feathers that border the wings. The long stout bill is 6-9 inches (15-23 centimeters) long and is grayish-black on adult birds and yellowish on young storks. Wood Storks fly with their legs and neck outstretched.

#### DISTRIBUTION

Wood Storks occur in tropical and subtropical wetlands and are the only stork in the United States. The U.S. Wood Stork colonies in Florida, Georgia and South Carolina are at the northern edge of the species' range. Wood Storks still occur, but no longer breed in Texas, Louisiana, Mississippi and Alabama. Their range extends south to northern Argentina. Following the nesting season Wood Storks can be seen throughout the U.S. Southeastern Coastal Plain.

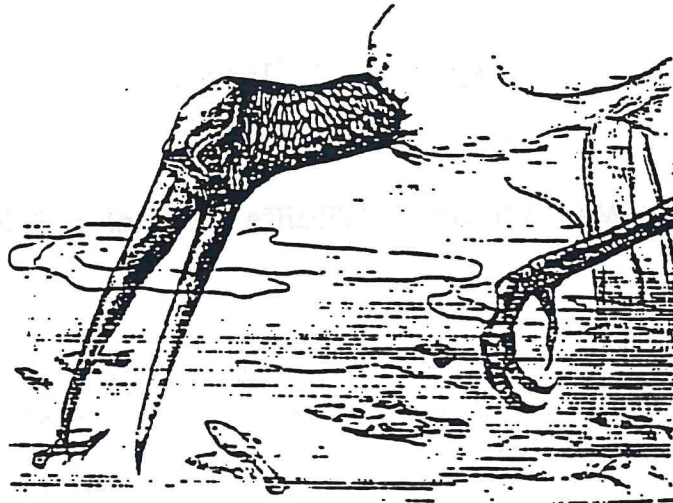


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## HABITAT

Wood Storks are wetland dwellers and use fresh, brackish and salt water habitats for feeding and nesting. Feeding takes place in shallow ponds, tidal pools, swamps and marshes. Nesting occurs in cypress, hardwood and mangrove swamps.



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## FEEDING

Wood Storks feed by touch. Standing in 6-20 inches (15-51 centimeters) of water with its submerged beak open 2-3 inches (5-8 centimeters), the Wood Stork gropes for its prey. This usually consists of fish, occasionally crayfish and amphibians, and even baby alligators and snakes. Prey are started from hiding places in vegetation by foot stirring. This non-visual method is clearly advantageous in turbid, heavily vegetated marsh. However, enough prey must be present for this method to be effective during the breeding season. Adult Wood Storks eat about one pound of food per day when not nesting, but during the nesting season need about 440 pounds (200 kilograms) per pair to feed themselves and fledge their young. Wood Storks often travel about 15-40 miles (24-64 kilometers) per day seeking areas in which to feed.

## NESTING

Wood Storks nest in colonies from a few to hundreds of nests. Nests are thin platforms of sticks lined with twigs and leaves built near the tops of trees or shrubs, sometimes as high as 100 feet (30 meters). Timing of nesting depends on wetland water levels. In southern Florida nesting can occur as early as December, later during wet years or in other areas, and continues for about 130 days. Up to 5 eggs may be laid, but three is average. The parents alternate incubating the eggs for about 30 days. Young storks are fed regurgitated fish. On hot days adults also disgorge water over the nestlings to cool them. Young storks fledge in about 55 days.

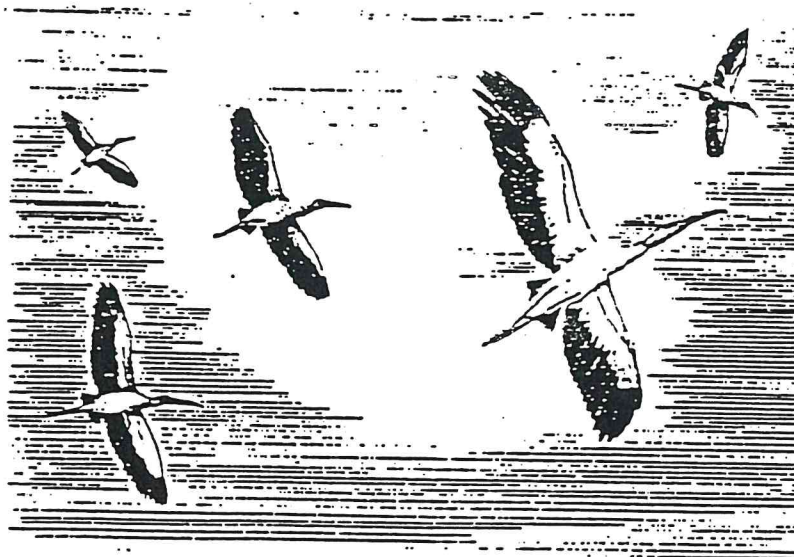
## POPULATION SIZE & TRENDS

Until the last few decades the Wood Stork was a common sight in Florida wetlands, largely because they had escaped harvest by plume hunters. Although the exact figure is not known, the total number of Wood Storks in the U.S. in the 1930's was estimated at 60,000. By 1960 only an estimated 11,000 pairs nested in Florida. According to current estimates by the National Audubon Society there are about 4,000 to 5,000 nesting pairs in the U.S. The picture in south Florida is much bleaker with Wood Storks rarely reproducing successfully.

One reason for the decline in the Wood Stork population has been the changes in the hydrologic regime of the Everglades. This affected foraging habitat and food production. Historically, the Wood Stork's nesting cycle coincided with natural patterns of rain and drought. Summer rains and rising water levels dispersed fish throughout the wetlands. During the winter and spring dry season, these fish would concentrate in shallow pools. This cycle provided Wood Storks with an abundant and easily obtainable food supply during the nesting season. In south Florida, where most of the Wood Storks have nested, this cycle has been altered. Water management has alternately drained or flooded former Wood Stork feeding habitat, for flood control and water supply. When food is limited before nesting season, Wood Storks will not nest. If they do nest, and their food supply fails, they abandon the nesting colony to find better feeding conditions. This failure to produce young limits the number of storks available to replace those in the breeding population that may die.

## WOOD STORKS AS ENVIRONMENTAL INDICATORS

The extreme dependence of the Wood Stork on a naturally functioning hydrologic regime of the southern Florida wetlands makes it an excellent indicator of the health of the Everglades. In fact the National Audubon Society calls the Wood Stork "the barometer of the Everglades."



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## PROTECTION

In 1984 Wood Storks were listed as endangered by the U.S. Fish and Wildlife Service, under the Federal Endangered Species Act. Wood Storks also are listed as endangered by the State of Florida. As the human population of Florida grows, the pressure on the remaining wetlands continues. The best hope for Wood Storks is an educated and active citizenry to help ensure that the needs of wetland-dependent wildlife are planned for in the management of Florida's growth.

## SUGGESTED READING

Ogden, J.C. and C. Singletary. 1983. The Abundant, Endangered Flinthead. Audubon. vol. 85 pp.90-101.

VanMeter, V.B. 1985. Florida's Wood Storks. Florida Power and Light Company. Corporate Communications, Miami, FL

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