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MEMORANDUM

TO: Drew Miller
FROM: Tim Hall
DATE: July 16, 2019
RE: Wildlife in Esplanade Preserves

Drew,

This memo is in reference to our telephone conversation last week regarding the preserves and wildlife located within the preserves. As you are aware, the project has over 1,000 acres of contiguous preserve located to the north and west of the development and contributes to a contiguous corridor of preserved lands that runs from Immokalee Road all the way out to the CREW Trust lands off of Corkscrew Road (over 22 miles). Attached is a list of species which have been documented within the preserve lands of Esplanade. It is not a complete listing but shows the wide variety of fauna that can be found out in the preserves.

Of special note are the listed species that have been documented. Big Cypress fox squirrels, bald eagles, wood storks, and snail kites have all been observed. In addition, Florida panthers have been documented to the east and west of the property so it must be assumed that they can on occasion cross travel through the preserve.

I think that an interpretational program could be developed to educate residents about the wildlife in their backyard and generate interest as well as a sense of stewardship towards the preserves. The program could include a marked trail or trails within the preserve, pamphlets describing the preserves with notable locations along the trail(s), and occasional guided walks or talks regarding the wildlife around the area.

Please don't hesitate to contact me if there are any further questions or clarifications needed.

Tim Hall
Senior Ecologist
Turrell, Hall & Associates

A list of some of the wildlife species observed on or adjacent to the Esplanade Preserves.

Common Name

Scientific Name

Fish and Aquatic Invertebrates

| | |
|-----------------------|---------------------------------|
| Mosquito fish | <i>Gambusia affinis</i> |
| Least killifish | <i>Heterandria formosa</i> |
| Pike killifish | <i>Belonesox belizanus</i> |
| American flagfish | <i>Jordanella floridae</i> |
| Golden topminnow | <i>Fundulus chrysotus</i> |
| Sailfin molly | <i>Poecilia latipinna</i> |
| Sunfish | <i>Lepomis spp.</i> |
| Walking catfish | <i>Clarias batrachus</i> |
| Florida gar | <i>Lepisosteus platyrhincus</i> |
| Largemouth bass | <i>Micropterus salmoides</i> |
| Black acara | <i>Cichlasoma bimaculatum</i> |
| Unidentified cichlids | |
| Grass (Ghost) shrimp | |
| Crayfish | |
| Dragonfly nymphs | |

Reptiles & Amphibians

| | |
|-------------------------------|-------------------------------------|
| Southern toad | <i>Bufo terrestris</i> |
| Green treefrog | <i>Hyla cinerea</i> |
| Eastern narrowmouth toad | <i>Gastrophryne carolinensis</i> |
| Florida cooter | <i>Pseudemys floridana</i> |
| Florida soft-shelled turtle | <i>Apalone ferox</i> |
| Green anole | <i>Anolis carolinensis</i> |
| Southeastern five-lined skink | <i>Eumeces inexpectatus</i> |
| Ring-necked snake | <i>Diadophis punctatus</i> |
| Banded water snake | <i>Nerodia fasciata</i> |
| Black racer | <i>Coluber constrictor</i> |
| Garter snake | <i>Thamnophis sirtalis</i> |
| Dusky pygmy rattlesnake | <i>Sistrurus millarius barbouri</i> |
| Water moccasin | <i>Agkistrodon piscivorous</i> |

Birds

| | |
|--------------------|---------------------------|
| Anhinga | <i>Anhinga anhinga</i> |
| Snowy egret | <i>Egretta thula</i> |
| Cattle egret | <i>Bubulcus ibis</i> |
| Tricolored heron | <i>Egretta tricolor</i> |
| Little blue heron | <i>Egretta caerulea</i> |
| Green-backed heron | <i>Butorides striatus</i> |
| Great egret | <i>Ardea alba</i> |
| Great blue heron | <i>Ardea herodias</i> |
| White ibis | <i>Eudocimus albus</i> |
| Wood stork | <i>Mycteria americana</i> |
| Nighthawk | <i>Chordeiles minor</i> |
| Cattle egret | <i>Bubulcus ibis</i> |
| Mourning dove | <i>Zenaida macroura</i> |

Ground dove
Red-bellied woodpecker
Pileated woodpecker
Downy woodpecker
Northern flicker
Blue jay
Cardinal
Carolina wren
Grackle
Wild turkey
Red shouldered hawk
Northern harrier
Snail kite
Osprey
Bald eagle
Turkey vulture
Palm warbler
Mockingbird
Grey catbird
Killdeer
Brown thrasher
Blue-grey gnatcatcher
White eyed vireo
Unidentified warblers

Columbina passerina
Melanerpes carolinus
Drycopus pileatus
Picoides pubescens
Colaptes auratus
Cyanocitta cristata
Cardinalis cardinalis
Thryothorus ludovicianus
Quiscalus quiscula
Meleagris gallopavo
Buteo lineatus
Circus cyaneus
Rostrhamus sociabilis
Pandion haliaetus
Haliaeetus leucocephalus
Cathartes aura
Dendroica palmarum
Mimus polyglottos
Dumetella carolinensis
Charadrius vociferus
Toxostoma rufum
Polioptila caerulea
Vireo griseus

Mammals

Nine-banded armadillo
Marsh rabbit?? (scat)
Fox Squirrel
Raccoon
White-tailed Deer
Bobcat
Black Bear (tracks)

Dasypus novemcinctus
Sylvilagus palustris
Sciurus niger
Procyon lotor
Odocoileus virginianus
Lynx rufus
Ursus americanus floridanus