

APPENDIX M

Everglades Snail Kite Survey Technical Memorandum

(414506-1-22-01) SR 70 from Jefferson Avenue to CR 29

ETDM # 3054, Highlands County

Everglade Snail Kite Survey Spring 2025 Findings Memorandum

Introduction

The Florida Department of Transportation (FDOT), District One is conducting a Project Development and Environment (PD&E) study for proposed improvements to State Road (SR) 70 from Jefferson Avenue to County Road (CR) 29 (**Figure 1**). This study will evaluate the widening of SR 70 from a two-lane undivided facility to a four-lane divided facility, including operational improvements along SR 70 from Jefferson Avenue to CR 29.

The Everglade snail kite (*Rostrhamus sociabilis plumbeus*) (SNKI) was listed as a federally endangered species by the US Fish and Wildlife Service (USFWS) on March 11, 1967, and receives protection under the Federal Endangered Species Act 16 U.S.C. §1531-1544, Florida's Endangered and Threatened Species Rule 68A-27 F.A.C., and the Migratory Bird Treaty Act 16 U.S.C. §§ 703–712. This project is within the U.S. Fish and Wildlife Service's consultation area for the SNKI. The SNKI ranges in size from approximately 14.2 to 15.4 inches and has a curved bill used to pluck snails out of their shells. Males are slate gray with red eyes and orange legs, with white streaking on the face, neck, and chest. Juvenile SNKI are similar in appearance to females but have more cinnamon or buff-colored streaks instead of white. Suitable habitat for SNKI can be characterized by the presence of shallow freshwater marshes and shallow grassy shorelines of lakes.

FDOT conducted an SNKI survey in the spring of 2025 after receiving USFWS's approval of the proposed survey plan and observation stations. Please note that a combined methodology memorandum was approved for both FPID 414506-5-32-01 and FPID 414506-1-22-01, however, the findings memorandums are being provided separately for the projects.

Methodology

Potential suitable habitat for the SNKI was identified during a desktop review of the project limits and an additional 500-ft buffer from the Right-Of-Way (ROW) lines was placed to account for off-site territories that may overlap the project area. For the desktop review, SNKI foraging and nesting suitable habitat is defined as those areas in wetlands that contain emergent vegetation. Dominant foraging emergent vegetation usually consists of spike rushes (*Eleocharis*), maidencane (*Panicum hemitomon*), and bulrushes (*Juncus*). Dominant nest or perching substrate and habitat include willows (*Salix caroliniana*), melaleuca (*Melaleuca quinquenervia*), or cypress (*Taxodium distichum*) (USFWS, 2004). Based on the proposed project activities, a desktop review, and initial

surveys, it was recommended that a field survey should be conducted in the time frame between March to May, during the breeding season, to maximize the chances of identifying potential SNKI.

After conducting desktop reviews for the project limits, and performing on-site evaluations, 4 observation stations were identified along the projects limits (**Table 1**). These stations were evaluated based on National Wetlands Inventory (NWI) data for wetlands, visual inspections for emergent vegetation suitable for SNKI activity, and Cornell University's eBird observations. Although eBird observations are not scientifically collected due to them not being verified occurrence data, the USFWS has utilized this data in prior survey methodologies. Please see **Appendix A** for aerial maps of the project location, observation station locations, and wetland types and locations (**Figures 1, 2, & 3**).

Surveys

Qualified biologists experienced in avian surveys conducted the survey. SNKI surveying took place weekly for approximately 4 hours per monitoring iteration, per observation station. The start date for the survey was in March 2025, and the end date of the survey was in May 2025. There were 5 survey events per each station, giving a total of 20 SNKI surveys over the two-month span. Surveying began at dawn and qualified biologists surveyed at each of the observation stations. To the extent possible, monitoring took place from a motor vehicle utilizing both binoculars and a spotting scope, as needed.

The scientists recorded any SNKI observations and their behaviors, particularly behaviors associated with breeding (e.g. defending territory, calling to mate, copulation, carrying nest materials, etc.). Biologists also recorded roosting activity and roosting substrate. A visual survey of suitable habitat was made for birds and nests. This included checking trees along the water's edge for nests or perching birds and observing vegetation along levees and roads for nests in herbaceous vegetation. If present, apple snails and their egg masses were recorded, as apple snails are the primary food source for the SNKI. If nest or roost sites were within the 500-ft buffer, PVC poles would have been placed to mark the area indicating protected areas and positions of the nests would have been recorded and plotted on a map of the site as well as their distance from uplands (USFWS, 2004). These observations were made via an electronic field data sheet (Survey 123 app), along with an electronic flight path tracker and nest and/or roosting locations (ArcGIS Field Maps). Please see **Appendix B** for survey field data sheets completed by scientists during the SNKI surveys.

Table 1. Observation stations for SNKI along SR 70 from Jefferson Avenue to County Road (CR) 29 FPID# 414506-1-22-01, Highlands County within a 500-ft buffer, determined using USFWS's NWI and emergent vegetation.

Observation Station	FPID	Location	NWI	Emergent Vegetation
1	414506-1-22-01	27.2218336°N 81.3540777°W	Lake (L1UBH)	Bald cypress (<i>Taxodium distichum</i>) Spotted water hemlock (<i>Cicuta maculata</i>)
2	414506-1-22-01	27.2129667°N 81.3496147°W	Freshwater Pond (PUBHx)	N/A
3	414506-1-22-01	27.2101965°N 81.3488408°W	Freshwater Emergent Wetland (PEM1C)	Bald cypress (<i>Taxodium distichum</i>) Spotted water hemlock (<i>Cicuta maculata</i>) Soft rush (<i>Juncus spp.</i>) Cattail (<i>Typha spp.</i>)
4	414506-1-22-01	27.2089314°N 81.3132003°W	Freshwater Emergent Wetland (PEM1A)	Maidencane (<i>Panicum hemitomon</i>) Soft rush (<i>Juncus spp.</i>) Cattail (<i>Typha spp.</i>)

Results

During the 2025 nest season, no nests were discovered. SNKI activity was observed at zero of the four stations. Although there were weeks where stations had zero observations, observations within the study area limits were made every week surveys were conducted. See **Appendix A** for Maps of each station. See **Appendix B** for Field Sheet Data. **Table 2** summarizes the observations during each survey week and at each survey station below.

Table 2. Observation stations, event numbers, and event dates for the SNKI survey on SR 70 from Jefferson Avenue to CR 29 (FPID# 414506-1-22-01).

FPID: 414506-1-22-01 Station #	Survey Event 1 Date	Survey Event 2 Date	Survey Event 3 Date	Survey Event 4 Date	Survey Event 5 Date
Observation Station 1	4/9/2025	4/24/2025	5/6/2025	5/22/2025	5/28/2025
Observation Station 2	4/9/2025	4/24/2025	5/6/2025	5/20/2025	5/28/2025
Observation Station 3	4/4/2025	4/16/2025	4/29/2025	5/15/2025	5/28/2025
Observation Station 4	4/4/2025	4/16/2025	4/29/2025	5/15/2025	5/28/2025

Observation Station One

There were no observations during the entirety of the survey events at this location. There were no instances of foraging or nesting activity or territorial behavior observed. No nest activity was found in the project area. There were apple snails observed at this survey station, suggesting a suitable food source locally for the SNKI.

Observation Station Two

There were no observations during the entirety of the survey events at this location. There were no instances of foraging or nesting activity or territorial behavior observed. No nest activity was found in the project area. There were not any apple snails and/or their egg masses observed at this survey station, suggesting no suitable food source locally for the SNKI.

Observation Station Three

There were no observations during the entirety of the survey events at this location. There were no instances of foraging or nesting activity or territorial behavior observed. No nest activity was found in the project area. There were not any apple snails and/or their egg masses observed at this survey station, suggesting no suitable food source locally for the SNKI.

Observation Station Four

There were no observations during the entirety of the survey events at this location. There were no instances of foraging or nesting activity or territorial behavior observed. No nest activity was found in the project area. There were not any apple snails and/or their egg masses observed at this survey station, suggesting no suitable food source locally for the SNKI.

Conclusion

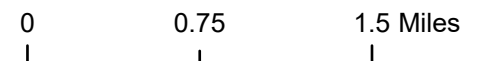
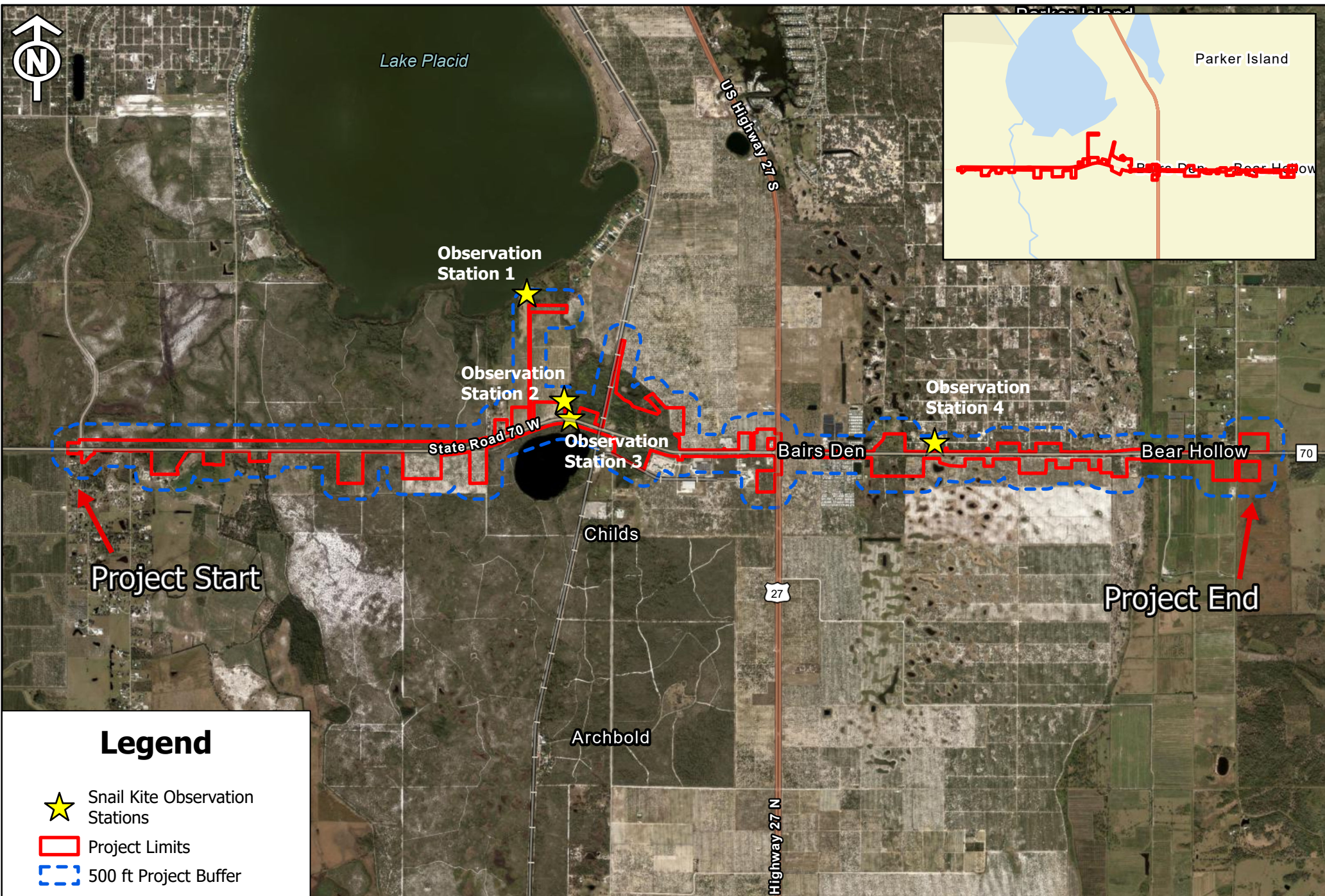
The SR 70 from Jefferson Avenue to CR 29, FPID# 414506-1-22-01, two-month SNKI Spring 2025 survey was completed per USFWS survey protocol (2004) and the results collected were examined from the observation stations throughout the proposed project limits to determine the effect the project could have on the SNKI. A determination of **May Affect, Not Likely to Adversely Affect (MANLAA)** has been concluded. This conclusion was determined as there were no SNKI observation during the two-month survey, however, there was suitable foraging habitat and food sources observed. It is also noted that the proposed improvements will not impact any active SNKI nests within or adjacent to the subject project limits. The potential impacts discussed in this finding's memorandum were determined using worst-case scenario estimates utilizing the latest available project concept at the time when the most recent survey was conducted. Due to this, the footprint shown in this memo differs slightly from the preferred alternative; however, the impacts presented are consistent with the impacts from the preferred alternative.

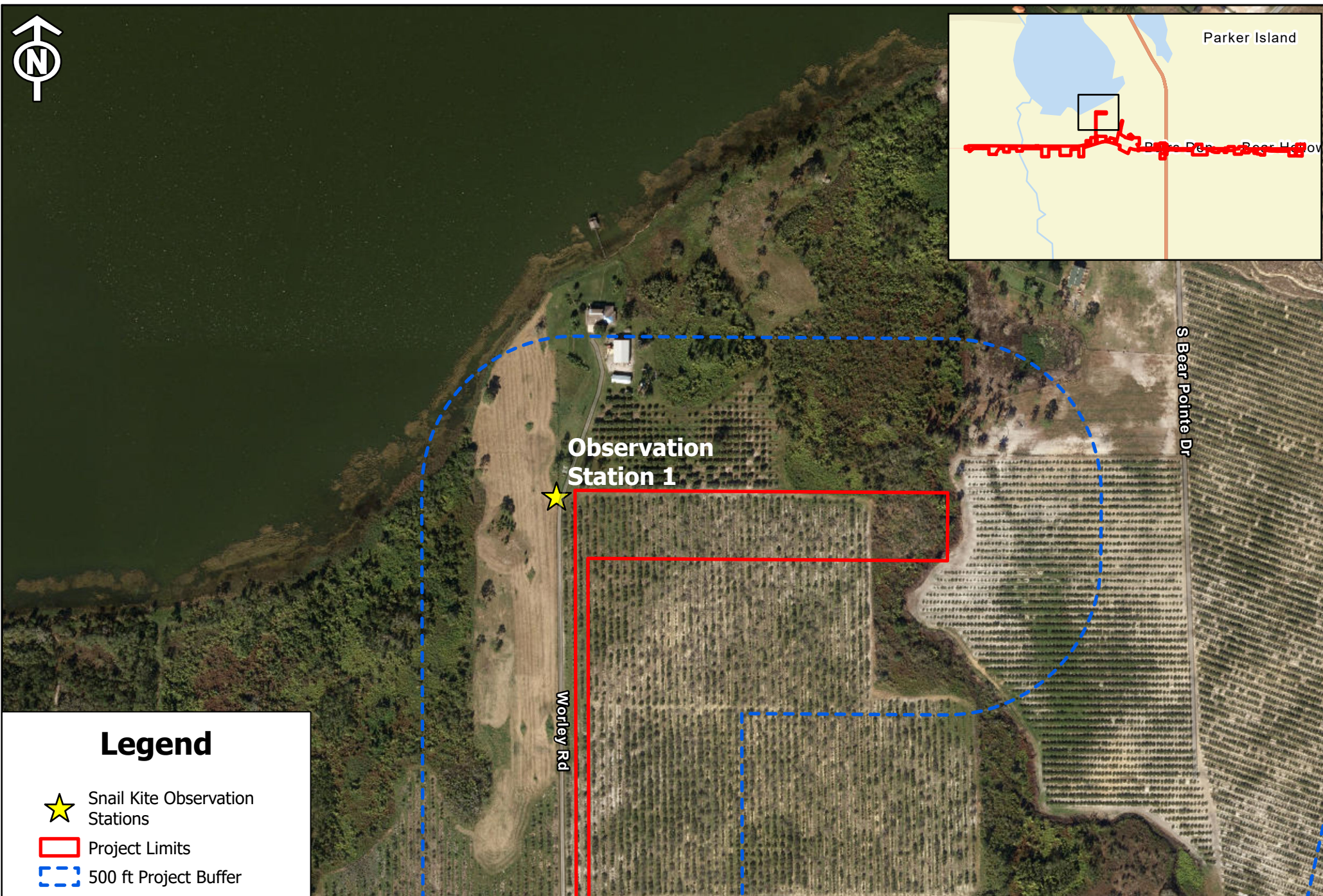
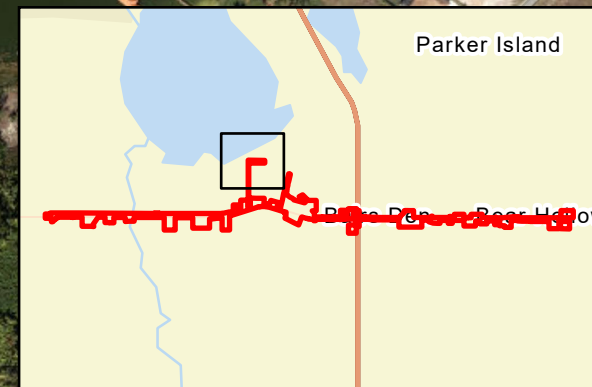
Appendix A: Figures

Figure 1. Project Location Map

Figure 2. Observation Station Maps

Figure 3. Wetland Type and Location Map





Legend

-  Snail Kite Observation Stations
-  Project Limits
-  500 ft Project Buffer



Figure 2-1. Everglade Snail Kite (*Rostrhamus sociabilis plumbeus*)
Observation Station 1
SR 70 from Jefferson Avenue to CR 29
FPID: 414506-1-22-01

0 375 750 Feet



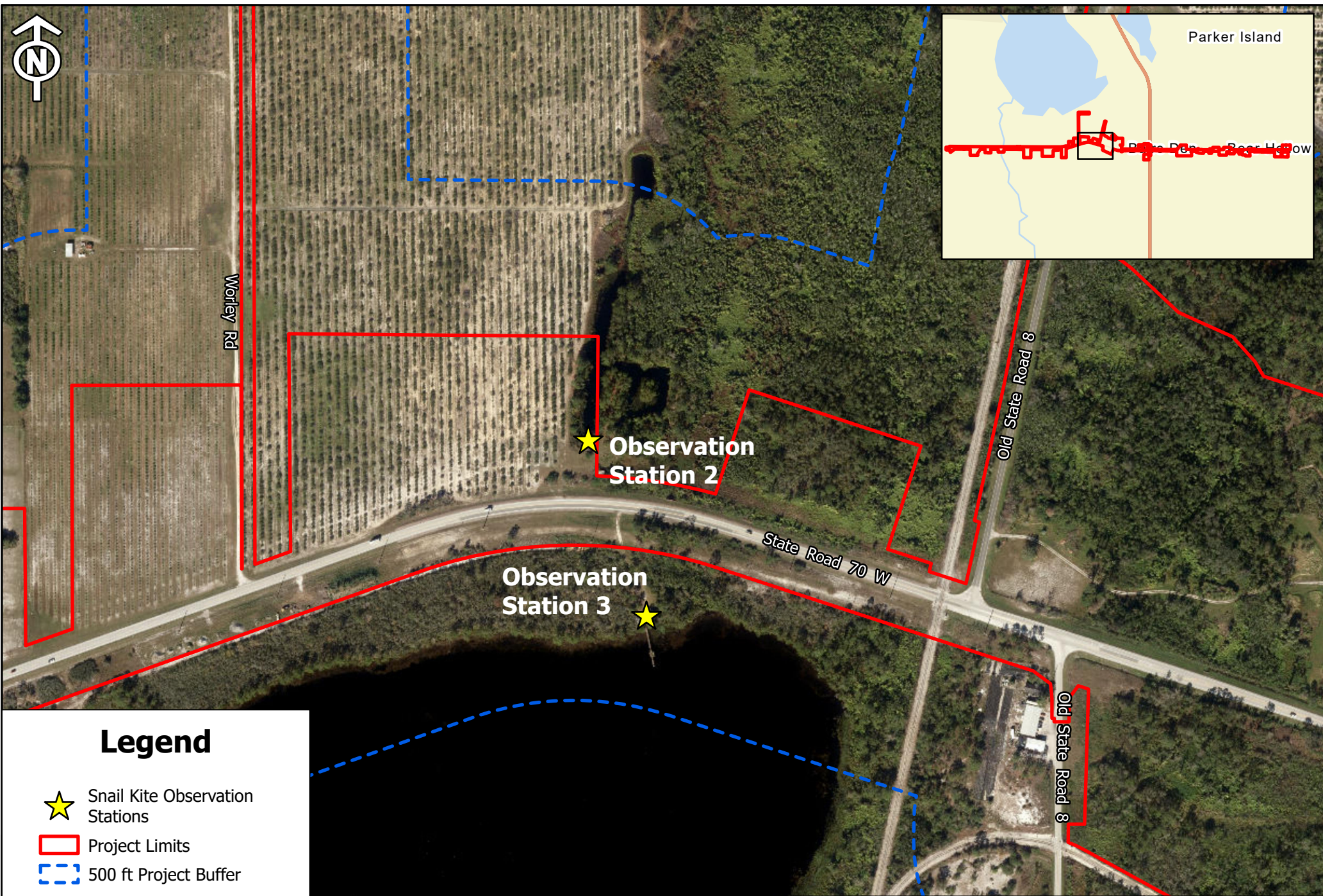


Figure 2-2. Everglade Snail Kite (*Rostrhamus sociabilis plumbeus*)
Observation Stations 2 & 3
SR 70 from Jefferson Avenue to CR 29
FPID: 414506-1-22-01



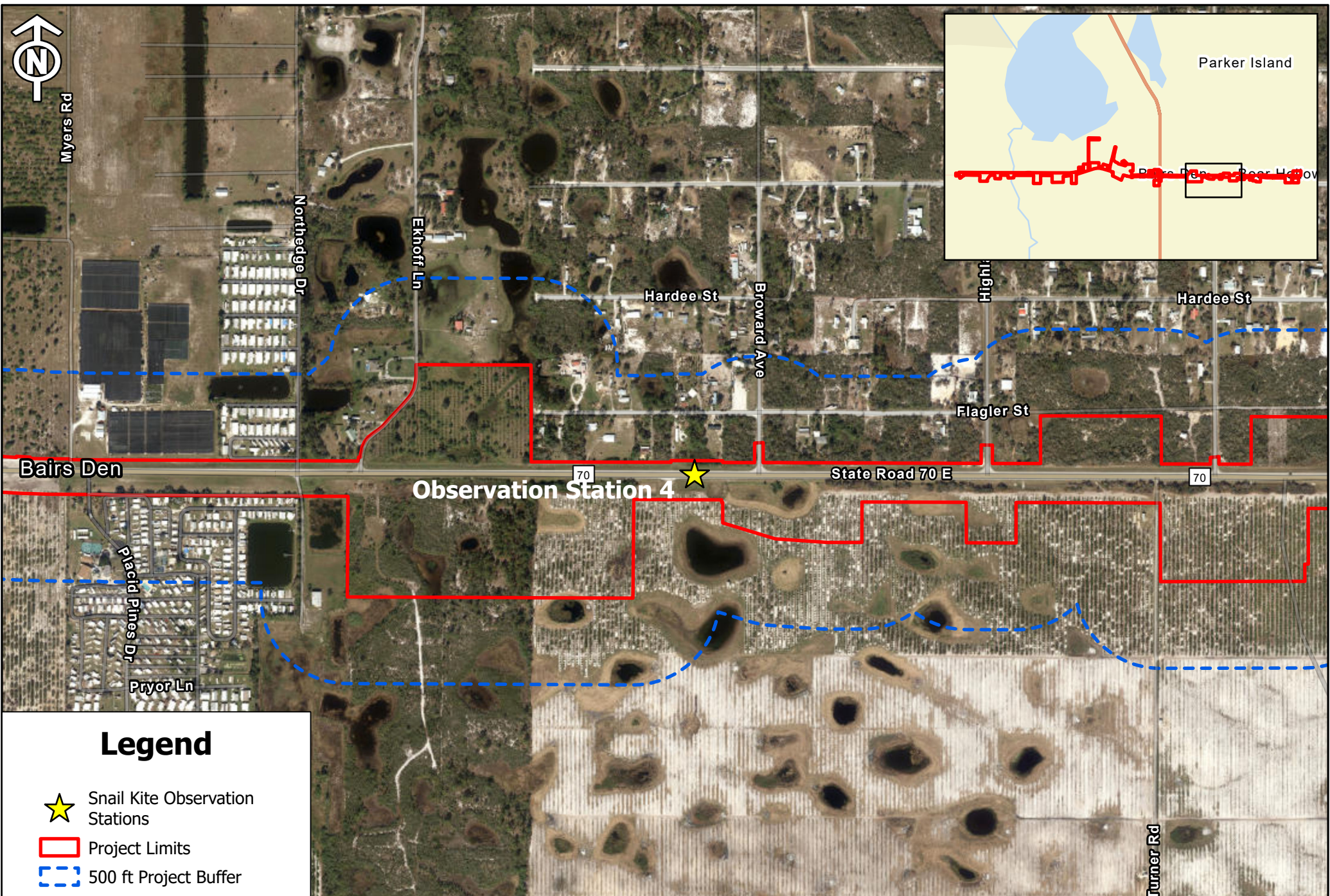
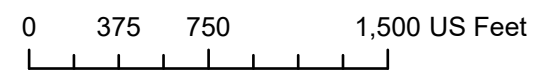


Figure 2-3. Everglade Snail Kite (*Rostrhamus sociabilis plumbeus*)
Observation Station 4
SR 70 from Jefferson Avenue to CR 29
FPID: 414506-1-22-01



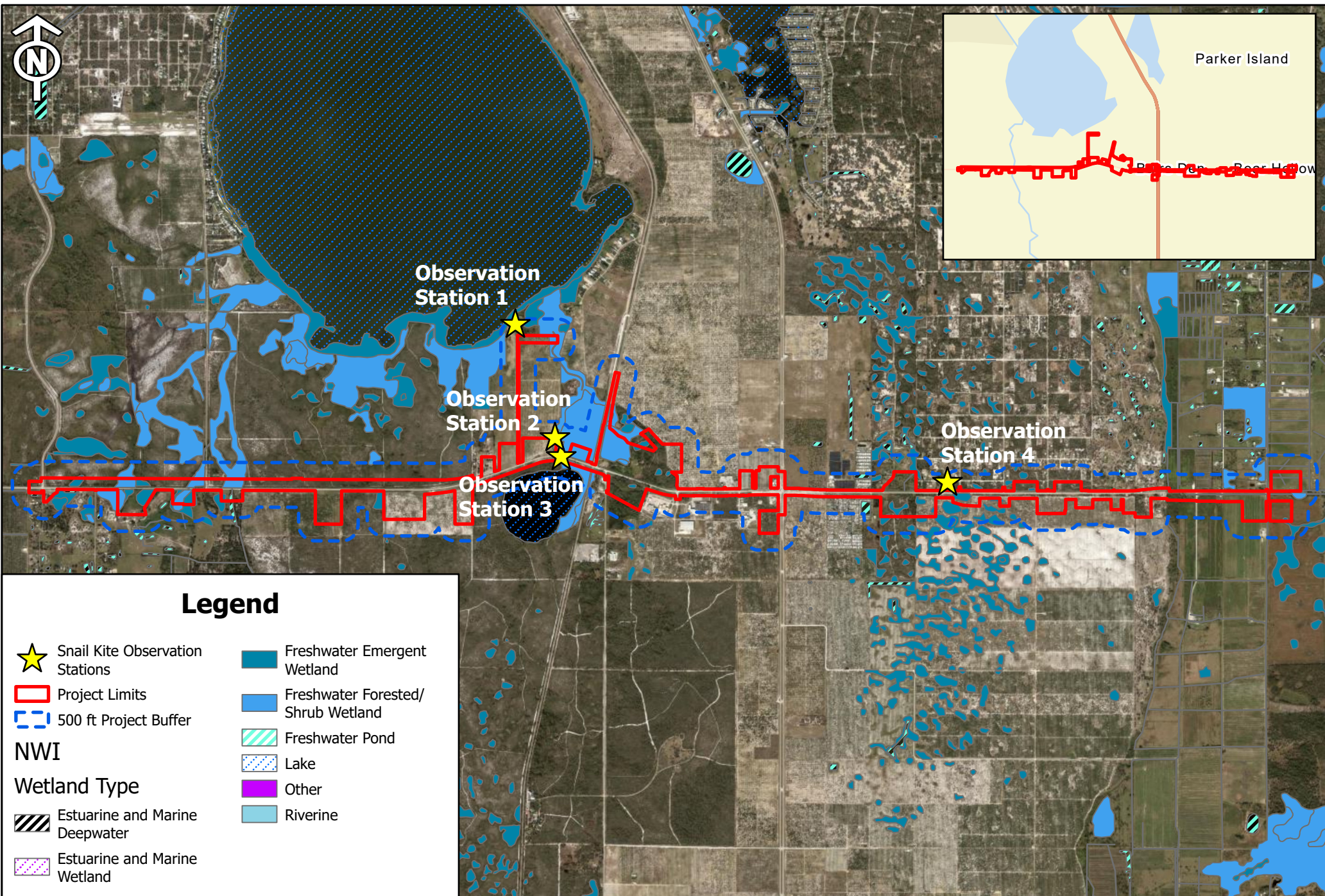
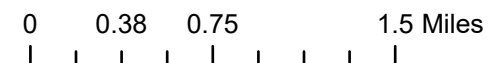


Figure 3. Wetland Type and Location Map
SR 70 from Jefferson Avenue to CR 29
FPID: 414506-1-22-01



Appendix B: Survey Field Data Sheets

Station 1 Field Sheets – Events 1 through 5

Station 2 Field Sheets – Events 1 through 5

Station 3 Field Sheets – Events 1 through 5

Station 4 Field Sheets – Events 1 through 5

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

1

Survey Date

April 9, 2025

Observer Names

Logan Baxley

Survey Start Time

06:56

Survey Start Temperature (°F)

60

Survey Start Wind Speed (mph) and Direction

5mph SE

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:56

Survey End Temperature (°F)

70

Survey End Wind Speed (mph) and Direction

12mph S

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Snowy egrets, ospreys, Little Blue Herons, Red winged blackbirds, crows, vultures, pileated woodpecker, Limpkin, bald eagle, anhinga, white ibis, tern species, Sandhill cranes

Were apple snail egg masses found? Record how many.

No

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

1

Survey Date

April 24, 2025

Observer Names

Jonas Leicht

Survey Start Time

06:40

Survey Start Temperature (°F)

65

Survey Start Wind Speed (mph) and Direction

4 mph W

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:40

Survey End Temperature (°F)

80

Survey End Wind Speed (mph) and Direction

11 mph W

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Red bellied woodpecker, red-winged blackbird, Pileated woodpecker, 2 bald eagles, osprey, common gallinule, great white egret, loggerhead shrike, little white egret, blue jay, limpkin, anhinga

Were apple snail egg masses found? Record how many.

No

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

1

Survey Date

May 6, 2025

Observer Names

Logan Baxley

Survey Start Time

06:27

Survey Start Temperature (°F)

68

Survey Start Wind Speed (mph) and Direction

0

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:27

Survey End Temperature (°F)

81

Survey End Wind Speed (mph) and Direction

6mph N

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Bald eagles, ospreys, limpkin, anhinga, cormorant, red winged blackbird, crows, vultures, great blue heron, great egret, cattle egret, little blue heron, green heron, red shoulder hawk, Sandhill crane, coots, pileated woodpecker, killdeer, 1 bobcat observed at observation station.

Were apple snail egg masses found? Record how many.

Yes, apple snails were observed as limpkins were munching on them for breakfast

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

1

Survey Date

May 22, 2025

Observer Names

Jonas Leicht

Survey Start Time

06:23

Survey Start Temperature (°F)

74

Survey Start Wind Speed (mph) and Direction

3 mph E

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:30

Survey End Temperature (°F)

83

Survey End Wind Speed (mph) and Direction

6 mph S

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Nighthawk, osprey, great white egret, red winged blackbird, limpkin, red bellied woodpecker, boat tailed grackle, common galinule, blue jay, northern cardinal, 2 bald eagles, anhinga, little blue heron,

Were apple snail egg masses found? Record how many.

No

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

1

Survey Date

May 28, 2025

Observer Names

Jonas Leicht

Survey Start Time

06:20

Survey Start Temperature (°F)

72

Survey Start Wind Speed (mph) and Direction

3 mph N

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:20

Survey End Temperature (°F)

82

Survey End Wind Speed (mph) and Direction

4 mph N

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Great white egret, vulture, blue jay, pileated woodpecker, common galinule, osprey, 2 sandhill crane, limpkin, little blue heron, limpkin

Were apple snail egg masses found? Record how many.

No

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

2

Survey Date

April 9, 2025

Observer Names

Jonas Leicht

Survey Start Time

06:55

Survey Start Temperature (°F)

60

Survey Start Wind Speed (mph) and Direction

5 mph SE

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:58

Survey End Temperature (°F)

71

Survey End Wind Speed (mph) and Direction

12 mph S

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

1 little blue heron, 3 little white egrets, 2 vultures, 2 osprey, 1 great blue heron

Were apple snail egg masses found? Record how many.

0

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

2

Survey Date

April 24, 2025

Observer Names

Logan Baxley

Survey Start Time

06:39

Survey Start Temperature (°F)

66

Survey Start Wind Speed (mph) and Direction

2mph W

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:39

Survey End Temperature (°F)

80

Survey End Wind Speed (mph) and Direction

3mph W

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Vultures, crows, red winged blackbird, wood ducks, osprey, green heron, pileated woodpecker

Were apple snail egg masses found? Record how many.

None / 0

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

2

Survey Date

May 6, 2025

Observer Names

Madison Duclos

Survey Start Time

06:29

Survey Start Temperature (°F)

68

Survey Start Wind Speed (mph) and Direction

4 mph w

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:29

Survey End Temperature (°F)

82

Survey End Wind Speed (mph) and Direction

6 mph nw

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Downy woodpecker

Swallowtail kite

Red tailed hawk

Nighthawk

Were apple snail egg masses found? Record how many.

0

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

2

Survey Date

May 20, 2025

Observer Names

Logan Baxley

Survey Start Time

06:19

Survey Start Temperature (°F)

75

Survey Start Wind Speed (mph) and Direction

3mph NE

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:19

Survey End Temperature (°F)

83

Survey End Wind Speed (mph) and Direction

6mph NE

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Red shoulder hawk, great egret, red bellied woodpecker, night hawk, bald eagle, cattle egret, osprey, wood ducks, little blue heron, green heron, pileated woodpecker

Were apple snail egg masses found? Record how many.

No apple snails or eggs were found

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

2

Survey Date

May 28, 2025

Observer Names

Logan Baxley

Survey Start Time

06:16

Survey Start Temperature (°F)

73

Survey Start Wind Speed (mph) and Direction

3mph N

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:16

Survey End Temperature (°F)

82

Survey End Wind Speed (mph) and Direction

7mph N

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

ospreys, pileated woodpecker, mocking birds, nighthawk, ducks, anhinga, green heron

Were apple snail egg masses found? Record how many.

No apple snails or egg masses were observed

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

3

Survey Date

April 4, 2025

Observer Names

Logan Baxley

Survey Start Time

06:57

Survey Start Temperature (°F)

72

Survey Start Wind Speed (mph) and Direction

0

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:59

Survey End Temperature (°F)

83

Survey End Wind Speed (mph) and Direction

10mph W

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

2 bald eagles, American bittern, multiple ospreys, vultures, ducks, pileated woodpecker, little blue heron, white ibis, anhingas, sand hill crane

Were apple snail egg masses found? Record how many.

No apple snails or egg masses observed

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

3

Survey Date

April 16, 2025

Observer Names

Madison Duclos

Survey Start Time

06:40

Survey Start Temperature (°F)

61

Survey Start Wind Speed (mph) and Direction

5 mph se

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

22:50

Survey End Temperature (°F)

75

Survey End Wind Speed (mph) and Direction

10 mph S

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

None

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Red tailed hawk

Osprey

Crested caracara

Bald eagle

Anhinga

Were apple snail egg masses found? Record how many.

No

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

3

Survey Date

April 29, 2025

Observer Names

Jonas Leicht

Survey Start Time

06:33

Survey Start Temperature (°F)

69

Survey Start Wind Speed (mph) and Direction

6 mph S

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:35

Survey End Temperature (°F)

80

Survey End Wind Speed (mph) and Direction

8 mph W

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Common nighthawk, osprey, red-bellied woodpecker, northern cardinal, great white egret,

Were apple snail egg masses found? Record how many.

No

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

3

Survey Date

May 15, 2025

Observer Names

Logan Baxley

Survey Start Time

06:22

Survey Start Temperature (°F)

72

Survey Start Wind Speed (mph) and Direction

3mph E

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:22

Survey End Temperature (°F)

82

Survey End Wind Speed (mph) and Direction

1mph W

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Pileated woodpecker, ospreys, green heron, glossy ibis, great egret, vultures, crows, grackle

Were apple snail egg masses found? Record how many.

No, none

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

3

Survey Date

May 28, 2025

Observer Names

James Fine

Survey Start Time

06:12

Survey Start Temperature (°F)

74

Survey Start Wind Speed (mph) and Direction

0

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:23

Survey End Temperature (°F)

84

Survey End Wind Speed (mph) and Direction

6 east

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Crow, mockingbird, vulture, osprey, sandhill crane

Were apple snail egg masses found? Record how many.

0

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

4

Survey Date

April 4, 2025

Observer Names

Jonas Leicht

Survey Start Time

06:57

Survey Start Temperature (°F)

72

Survey Start Wind Speed (mph) and Direction

7 mph W

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

11:00

Survey End Temperature (°F)

82

Survey End Wind Speed (mph) and Direction

10 mph W

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

1 great blue heron, 2 little blue heron, 5 great egret, 4 ibis, 3 sandhill crane,

Were apple snail egg masses found? Record how many.

No

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

4

Survey Date

April 16, 2025

Observer Names

Logan Baxley

Survey Start Time

06:44

Survey Start Temperature (°F)

61

Survey Start Wind Speed (mph) and Direction

1mph E

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:44

Survey End Temperature (°F)

75

Survey End Wind Speed (mph) and Direction

3mph S

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Great Egret, little blue heron, glossy ibis, tri colored heron, white ibis, black-necked stilts with a nest in the east side of the pond., killdeer, cattle egret

Were apple snail egg masses found? Record how many.

N/a none

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

4

Survey Date

April 29, 2025

Observer Names

Madison Duclos

Survey Start Time

06:32

Survey Start Temperature (°F)

69

Survey Start Wind Speed (mph) and Direction

6mph se

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:32

Survey End Temperature (°F)

80

Survey End Wind Speed (mph) and Direction

9 mph w

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

NONE

Special Notes

Ibis

Common night hawk

Little blue heron

Great egret

Glossy ibis

Great blue heron

Cattle egret

Snowy egret

Mocking bird

Grackle

Crow

Were apple snail egg masses found? Record how many.

0

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

4

Survey Date

May 15, 2025

Observer Names

Jonas Leicht

Survey Start Time

06:22

Survey Start Temperature (°F)

72

Survey Start Wind Speed (mph) and Direction

2 mph E

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:22

Survey End Temperature (°F)

83

Survey End Wind Speed (mph) and Direction

1 mph W

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Great white egret, glossy ibis, great blue heron, northern mockingbird, boat tailed grackle,
1 roseate spoonbill, vulture, 3 sandhill crane, crow

Were apple snail egg masses found? Record how many.

No

Snail Kite Survey SR70 Segments 12-13

Segment Number

Segments 12-13

Station Number

4

Survey Date

May 28, 2025

Observer Names

Madison Duclos

Survey Start Time

06:16

Survey Start Temperature (°F)

72

Survey Start Wind Speed (mph) and Direction

3 mph nw

Survey Start Visibility

Unlimited

Survey Start Precipitation

None

Survey End Time

10:16

Survey End Temperature (°F)

83

Survey End Wind Speed (mph) and Direction

4 mph n

Survey End Visibility

Unlimited

Survey End Precipitation

None

If applicable, how many Snail Kite observed?

0

If applicable, how many Snail Kite nests were observed?

0

Special Notes

Great blue heron

Great egret

Killdeer

Black necked stilt

Nighthawk

Cattle egret

Greater yellow legs

Were apple snail egg masses found? Record how many.

0