

Application for Federal Assistance SF-424

* 1. Type of Submission:		* 2. Type of Application:	* If Revision, select appropriate letter(s):
<input type="checkbox"/> Preapplication		<input checked="" type="checkbox"/> New	<input type="text"/>
<input checked="" type="checkbox"/> Application		<input type="checkbox"/> Continuation	* Other (Specify):
<input type="checkbox"/> Changed/Corrected Application		<input type="checkbox"/> Revision	<input type="text"/>
* 3. Date Received:		4. Applicant Identifier:	
<input type="text"/> Completed by Grants.gov upon submission.		<input type="text"/>	
5a. Federal Entity Identifier:		5b. Federal Award Identifier:	
<input type="text"/>		<input type="text"/>	
State Use Only:			
6. Date Received by State:		7. State Application Identifier:	
<input type="text"/>		<input type="text"/>	
8. APPLICANT INFORMATION:			
* a. Legal Name: <input type="text"/> Martin County Board of County Commissioners			
* b. Employer/Taxpayer Identification Number (EIN/TIN):		* c. Organizational DUNS:	
<input type="text"/> 59-6000743		<input type="text"/> 0713045620000	
d. Address:			
* Street1:	<input type="text"/> 2401 SE Monterey Road		
Street2:	<input type="text"/>		
* City:	<input type="text"/> Stuart		
County/Parish:	<input type="text"/>		
* State:	<input type="text"/> FL: Florida		
Province:	<input type="text"/>		
* Country:	<input type="text"/> USA: UNITED STATES		
* Zip / Postal Code:	<input type="text"/> 34996-3322		
e. Organizational Unit:			
Department Name:		Division Name:	
<input type="text"/>		<input type="text"/>	
f. Name and contact information of person to be contacted on matters involving this application:			
Prefix:	<input type="text"/>	* First Name:	<input type="text"/> Deb
Middle Name:	<input type="text"/>		
* Last Name:	<input type="text"/> Drum		
Suffix:	<input type="text"/>		
Title:	<input type="text"/>		
Organizational Affiliation:			
<input type="text"/>			
* Telephone Number:	<input type="text"/> 772-463-3263	Fax Number:	<input type="text"/>
* Email:	<input type="text"/> ddrum@martin.fl.us		

Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

B: County Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

Fish and Wildlife Service

11. Catalog of Federal Domestic Assistance Number:

CFDA Title:

*** 12. Funding Opportunity Number:**

F15AS00068

* Title:

NAWCA-15-U.S. STANDARD GRANTS

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

*** 15. Descriptive Title of Applicant's Project:**

Pal Mar

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424

16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="1,000,000.00"/>
* b. Applicant	<input type="text" value="2,620,000.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="15,000.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="3,635,000.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

a. This application was made available to the State under the Executive Order 12372 Process for review on

b. Program is subject to E.O. 12372 but has not been selected by the State for review.

c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

Yes No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title:

* Telephone Number: Fax Number:

* Email:

* Signature of Authorized Representative:

* Date Signed:

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee- 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

<p>SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL</p> <p>Completed on submission to Grants.gov</p>	<p>TITLE</p> <p>Intergovernmental & Grants Coordinator</p>
<p>APPLICANT ORGANIZATION</p> <p>Martin County Board of County Commissioners</p>	<p>DATE SUBMITTED</p> <p>Completed on submission to Grants.gov</p>

ASSURANCES - CONSTRUCTION PROGRAMS

OMB Number: 4040-0009
Expiration Date: 06/30/2014

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

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NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progressive reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards of merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
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18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
20. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

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APPLICANT ORGANIZATION Martin County Board of County Commissioners	DATE SUBMITTED Completed on submission to Grants.gov

NORTH AMERICAN WETLANDS CONSERVATION ACT PROPOSAL

PROJECT OFFICER'S PAGE

What is the proposal title? Pal Mar

What is the date you are submitting the proposal? February 27, 2015

What are the geographical landmarks for the proposal?

1. State(s): Florida
2. County: Martin County
3. Congressional District(s): FL-18
4. JV: Atlantic Coast Joint Venture
5. BCR: Peninsular Florida (Region 31)

Project Officer information:

1. Name: Deborah Drum
2. Title: Ecosystem Restoration/Management Division Manager
3. Organization: Martin County
4. Address: 2401 SE Monterey Road, Stuart, FL 34996
5. Telephone number: (772) 463-3263
6. E-mail address: ddrum@martin.fl.us
7. Grantee organization or proposal website, if available: <http://www.martin.fl.us>

Please answer the following questions:

2010 Gulf of Mexico Deepwater Horizon Macondo Oil Spill

Are you requesting that this proposal be considered for funding using BP Gulf Spill funds? Yes

If yes, you must demonstrate a nexus between your project and the migratory bird species and other wildlife and habitat affected by the Gulf spill. Furthermore, provide the best available science-based information (banding information, telemetry, etc.) indicating that the population(s) of species targeted in this proposal also use habitats along the Gulf of Mexico affected by the Spill.

The Pal Mar area includes two bird species affected by the BP oil spill: the American Wigeon and the Lesser Scaup. Both the American Wigeon and Lesser Scaup use the Pal Area during their migration and wintering life cycles.

Is an Optional Matching Contributions Plan (MCP) submitted with the proposal? No **Or**
Does the proposal contain match associated with a previously submitted MCP? No

Are you requesting that this proposal be considered as a continuation of a previous grant agreement (a Programmatic Project Proposal)? No

If yes, provide the title and grant agreement number of the previous grant agreement.

Do you expect this project to be the first phase of a Programmatic Project? Yes

How many more proposals are planned for the same proposal area? 4

Will any of the NAWCA funds requested as part of this proposal be received or spent by the U.S. Fish and Wildlife Service or another Federal agency? No

If yes, which agency(ies) will receive these funds and what is the fund amount:

Agency _____ Amount _____

(add additional lines as necessary)

Are carbon sequestration credits involved in your proposal? No

If yes, please highlight and provide details in the appropriate financial plan narrative/work plan section. Include information about whether the credits will generate program income (Described in Grant Administration Standards).

Will any portion of any tract or activities associated with any tract be used to satisfy wetland or habitat mitigation requirements under Clean Water Act, Rivers and Harbors Act, Fish and Wildlife Coordination Act, Water Resources Development Act, or other related statutes now or in the future? No

If yes, please highlight and provide details in the appropriate financial plan narrative/work plan section.

Have you confirmed that all partners, key personnel, and contractors are eligible to participate in Federal grants? Yes

To ensure that the proposal complies with available guidelines and that partners are aware of their responsibilities, the Project Officer certifies to the following statement: I have read the 2014 Standard Grant proposal instructions, eligibility information, and applicable U.S. grant administration policies and informed partners or partners have read the material themselves. To the best of my knowledge, this proposal is eligible and complies with all NAWCA, North American Wetlands Conservation Council, and Federal grant guidelines and the information submitted herein is true and correct. The work in this proposal consists of allowable and eligible work and costs associated with long-term wetlands and migratory bird habitat conservation.



Deborah Drum

OMB Circular A-133 audit reports. If the applicant organization expended more than \$500,000 of federal funds during the last calendar year, please include a copy of your most recent A-133 audit. If your organization did not expend more than \$500,000 federal funds last year, please certify that the A-133 audit was not required.

See attached copy of the latest A-133 audit. The A-133 audit for FY 2014 is in process and will be completed soon.

Do you have any comments about, or suggestions for, the NAWCA program? No

NORTH AMERICAN WETLANDS CONSERVATION ACT PROPOSAL SUMMARY
Pal Mar - FL

COUNTY(IES), STATE(S), CONGRESSIONAL DISTRICT(S): Martin County, FL, District FL-18

GRANT AMOUNT		\$1,000,000
Allocation:	Martin County	\$1,000,000

MATCHING PARTNERS		\$2,635,000
Grantee:	Martin County	\$2,620,000
	South Florida Water Management District	\$7,500
	The Nature Conservancy	\$7,500

GRANT AND MATCH - ACTIVITIES, COSTS, AND ACRES	\$3,635,000/481 acres
Fee Acquired	\$3,635,000/481 acres

PROPOSAL PURPOSE AND DESCRIPTION: Agriculture and residential development have reduced natural areas in the interior of southeast Florida to fragments. Martin County seeks a United States Standard Grant to protect critical migratory bird habitat in the Pal Mar area, one of the largest and best fragments. Pal Mar is a 30,000 acre mosaic of pine forests, cypress swamps and open marshy areas in southern Martin County. Pal Mar is near the Pine Glades Natural Area, Hungryland Wildlife and Environmental Area, J.W. Corbett Wildlife Management Area, Jonathan Dickinson State Park, Atlantic Ridge State Park, the private Pratt-Whitney Preserve, and the Cypress Creek lands owned by the South Florida Water Management District and Martin County. Acquisition will ensure and improve watershed quality in the Loxahatchee Basin by extending protection to some of the highest quality ecosystems and last relatively undisturbed lands in southeast Florida.

The flatwoods and wetland mosaic within the area provide habitat to at least 28 federal- and state-listed animal species. Federally-listed Endangered bird species include the Florida Snail Kite, Wood Stork and Red-cockaded Woodpecker, and the Threatened Audubon's Crested Caracara. State-listed bird species include the above federally-listed species, as well as the following Threatened species: the Southeastern American Kestrel, Florida Sandhill Crane and Least Tern. Additional state-designated Species of Special Concern include: the Roseate Spoonbill, Limpkin, Florida Burrowing Owl, Little Blue Heron, Snowy Egret, Tricolored Heron, White Ibis, and Brown Pelican.

Martin County, Palm Beach County, the South Florida Water Management District, and the Florida Department of Environmental Protection have been working together for the last two decades to acquire Pal Mar land. Over 70% of Pal Mar is now under public ownership. Most of the remaining privately-held land is within small, subdivided (1/2 to full acre) lots. Martin County has been working with a local landowner and has identified roughly 300-acres that could be acquired with Standard Grant funding.

Pal Mar is a portion of a major greenway system, extending from the Atlantic Ocean to the Gulf of Mexico. This creates extensive opportunities for the movement of wildlife, public recreation and regional ecosystem restoration. Pal Mar directly connects to over 150,000 acres of conservation lands that are owned and managed by federal, state and local governments.

The Pal Mar region has a long history of community involvement. Martin County's Land Acquisition and Selection Committee, composed of citizens, ranked Pal Mar highly on its list for acquisition. Between 2000 and 2006, Martin County worked in close partnership with the South Florida Water Management to acquire lands in this area. Additionally, Pal Mar is included on the state's Florida Forever acquisition list. Martin County's residents (population 151,263) have urged the Board of County Commissioners to

conserve Pal Mar. Community groups that support the acquisition of threatened Pal Mar lands include: Loxahatchee River District, Loxahatchee River Management Coordinating Council, Audubon Society of Martin County, Florida Wildlife Federation, Florida Oceanographic Society, Indian Riverkeeper, The Rivers Coalition, Marine Resources Council, Martin County Native Plant Society, Friends of the Loxahatchee, Treasured Lands Foundation, 1,000 Friends of Florida, and Guardians of Martin County. Additionally, Martin County has met with leaders of a landowners' cooperative that represents the majority of private landowners in the area, and confirmed their support for the proposed acquisition.

Martin County's goals for the protection of the Pal Mar area include: 1) to conserve and protect significant habitat for native species or endangered and threatened species; 2) to conserve, protect, manage, and restore important ecosystems, landscapes, and forests, in order to enhance or protect significant surface water, coastal, recreational, timber, fish or wildlife resources which local or state regulatory programs cannot adequately protect; and 3) to provide areas, including recreational trails, for natural resource-based recreation. Management of the site will enhance habitat for listed species by ensuring the viability of native plants through hydrologic restoration, groundcover restoration, application of regular prescribed fire, and the eradication and control of invasive/exotic species.

HABITAT TYPES AND WILDLIFE BENEFITTING: At least 13 natural vegetative communities can be found in the area, including: wet flatwoods, mesic flatwoods, scrubby flatwoods, wet prairie, depression marsh, basin marsh, slough marsh, dome swamp, strand swamp, flatwoods/prairie lake, marsh lake, hydric hammock, and mesic hammock. The project area includes some of the highest quality, most intact pine flatwoods in southern Florida in an ecotone between pine flatwoods and the treeless Everglades. Pal Mar is an important part of a major migration corridor, including Snail Kite, Red-cockaded Woodpecker, Wood Stork, Swallow-tailed Kite, and other waders. The area is also a strong early dry-season bird feeding area, and is important to species migrating to the Everglades.

Pal Mar provides habitat to 28 species of animals that are designated by the federal or state government as Threatened, Endangered or Species of Special Concern. Federally-listed Endangered species include the Snail Kite, Wood Stork, Red-cockaded Woodpecker, Rice Rat, and Florida Panther, and the Threatened Audubon's Crested Caracara and Eastern Indigo Snake. State-listed species include the above federally-listed species, as well as the following Threatened species: the Southeastern American Kestrel, Florida Sandhill Crane, Least Tern, Everglades Mink, and Gopher Tortoise. Additional state-designated Species of Special Concern include: the Roseate Spoonbill, Limpkin, Florida Burrowing Owl, Little Blue Heron, Snowy Egret, Tricolored Heron, White Ibis, Brown Pelican, Southern Short-tailed Shrew, Florida Mouse, Sherman's Fox Squirrel, Florida Pine Snake, and Florida Gopher Frog. Another 32 species of plants are also designated by the federal government or State of Florida as Threatened, Endangered or Commercially Exploited are documented to be present in the area.

PUBLIC BENEFITS/PUBLIC ACCESS: The project will provide significant ecosystem restoration and public recreation benefits, as well as opportunities to provide experiential learning in Martin County's K-12 schools. Environmental benefits include the conservation of important habitat for rare and endangered bird species along the Atlantic Flyway, natural storage of water, and enhanced water quality by extending the time in the dry season in which freshwater deliveries are made to the Loxahatchee River.

Pal Mar is just north of the Old Jupiter Indiantown Road, once the primary route that settlers used to travel between the towns of Jupiter and Indiantown. Much of this road has been converted into a recreational trail system, and Martin County plans to reopen the entire length of the trail. Following acquisition, Martin County will create a trail extension to the Jupiter Indiantown Grade to open public access into the area. The area will also provide hunting, fishing, wildlife observation, and equestrian opportunities to the general public. Future improvements will include passive park amenities, including picnic pavilions, wildlife observation platforms, bi-lingual educational signage, and kiosks to educate the

public about resource protection efforts.

Acquisition of threatened property within Pal Mar also provides opportunities to educate K-12 students about the original nature of this part of Florida. The area makes an excellent destination for hands-on “living classroom” activities for school groups and participants in programs offered by organizations like the Martin County Environmental Studies Center. This living classroom will showcase the different species that live within the ecosystem and share lessons about the area’s environmental importance. Schools across the region will be encouraged to bring students to experience the site. Signage will identify important project features and their benefits to the environment.

To combat the loss of the natural freshwater floodplain swamps, this region was included in the *Comprehensive Everglades Restoration Plan*. The *Comprehensive Everglades Restoration Plan* prioritizes storing water within natural ecosystems during the rainy season to allow for dry season flows to the Loxahatchee River. Pal Mar represents the western headwaters to the Loxahatchee River. As such, preserving and restoring this property is critical to the restoration of the Loxahatchee.

NEW PARTNERS: Martin County, supported by the South Florida Water Management District and The Nature Conservancy, will manage the project. Neither Martin County nor the South Florida Water Management District have received North American Wetlands Conservation Act (NAWCA) funding.

RELATIONSHIP TO PREVIOUSLY FUNDED NAWCA PROPOSALS: Martin County’s proposed project is located southwest and inland from a previously funded NAWCA project – Indian River Lagoon Coastal Wetlands - Phase I. The Indian River Lagoon project is protecting hundreds of acres of coastal habitat for wetland-dependent resident and migratory birds, including the federally-listed wood stork. Conservation of critical Pal Mar lands help to protect important habitat along the Atlantic Flyway, and builds upon the work already started in Indian River County.

THREATS AND SPECIAL CIRCUMSTANCES: Pal Mar is an unrecorded subdivision located in southwestern Martin County. A subdivision of Pal Mar was created in 1968, consisting of approximately 8,500-acres subdivided into 10,650 individual lots. Approximately 3,500-acres are owned by Martin County or South Florida Water Management District, with 5,000-acres remaining in private ownership. For many years, property owners within Pal Mar Heights have been looking to develop their land. Growth pressures on the uplands of the project area are intense. Martin County has gone to court multiple times to block these development efforts. Landowners have recently formed a cooperative to explore new opportunities to clear the land for agricultural uses, construct houses or even develop an ATV park. One section of subdivided Pal Mar has already been cleared and turned into pasture.

The threat of conversion in Pal Mar is real and growing. Already, migratory bird habitat in southeast Florida is fragmented by agriculture and residential development. Working in partnership with Palm Beach County, the South Florida Water Management District and the Florida Department of Environmental Protection, Martin County has been able to acquire land from willing sellers when land conservation resources have been available. Over 70% of the overall Pal Mar complex is now under public ownership. However, acquisition efforts have slowed recently due to the downturn in the economy. Concurrently, anxious property owners facing financial pressures of their own seek returns on their investments, and threaten land uses that are not consistent with Martin County’s environmental goals.

Martin County has a unique opportunity to conserve migratory bird habitat in the Pal Mar area. In 1996, 1998 and 2006, Martin County residents passed bond referendums and half-cent sales tax increases to support parks, open space and conservation. Pal Mar lands were identified as a priority for surtax proceeds. U.S. Fish and Wildlife Service funds will leverage limited Martin County acquisition resources, and add approximately 300 acres of high quality wetlands to an already impressive conservation effort.

FINANCIAL TABLE AND WORK PLAN

Is the required Financial Table submitted here or as an attachment? See below

PROPOSAL FINANCIAL TABLE

ACTIVITIES	GRANT \$	MATCHING & NONMATCHING PARTNERS				TRACT ID	NON-MATCH \$
		ABBREVIATED PARTNER NAME	OLD MATCH \$	NEW MATCH \$	TOTAL \$		
Land Costs: Fee Acquired	\$900,000	MC	\$0	\$600,000	\$1,500,000	Phase 1 (1-300)	\$0
		MC	\$0	\$2,000,000	\$2,000,000	Harmony	\$0
Appraisals & Other Acquisition Costs	\$100,000	MC	\$0	\$0	\$100,000	Phase 1 (1-300)	\$0
Non-Contract Personnel & Travel		MC	\$0	\$20,000	\$20,000	Phase 1 (1-300)	\$0
		SFWMD	\$0	\$7,500	\$7,500	Phase 1 (1-300)	\$0
		TNC	\$0	\$7,500	\$7,500	Phase 1 (1-300)	\$0
TOTAL ACQUIRED	\$1,000,000		\$0	\$2,635,000	\$3,635,000		\$0
GRAND TOTAL DIRECT	\$1,000,000		\$0	\$2,635,000	\$3,635,000		\$0
TOTAL INDIRECT	\$0		\$0	\$0	\$0		\$0
GRAND TOTAL	\$1,000,000		\$0	\$2,635,000	\$3,635,000		\$0
MC			\$0	\$2,620,000	\$2,620,000		\$0
SFWMD			\$0	\$7,500	\$7,500		\$0
TNC			\$0	\$7,500	\$7,500		\$0
LRD			\$0	\$0	\$0		\$0
MCCA			\$0	\$0	\$0		\$0
MC-FNPS			\$0	\$0	\$0		\$0
MK			\$0	\$0	\$0		\$0
GRAND TOTAL	\$1,000,000		\$0	\$2,635,000	\$3,635,000		\$0

Do you need to explain any abbreviations in the Financial Table? MC=Martin County, SFWMD=South Florida Water Management District, TNC=The Nature Conservancy, LRD=Loxahatchee River District, MCCA=Martin County Conservation Alliance, MC-FNPS=Martin County Chapter of the Florida Native Plant Society, MK=Margaret Ketter

If your grant request exceeds \$1,000,000, what is your justification? N/A

If any match was previously approved by the Council via an Optional Matching Contributions Plan, did you include a copy of the letter approving the Matching Contributions Plan and give the following information: tracts affected, and how much of each partner’s match has been used in previous proposals, how much is being used in this proposal, and how much will remain after the current proposal is funded? N/A

WORK PLAN

TRACT Pal Mar – Phase 1: 1-300 tracts
OVERALL ACRES AFFECTED: 300
STATE/FEDERAL AGENCIES HOLDING INTERESTS: None

Acreeage Summary of Grant/Match Activities on the Tract:

Acquisition: 300 **Restoration:** N/A **Enhancement:** N/A **Establishment:** N/A

Describe all applicable grant/match activities occurring on the tract here:

Martin County, Palm Beach County, the South Florida Water Management District, and the Florida Department of Environmental Protection have been working cooperatively for the last two decades to acquire Pal Mar properties. Due to these efforts, over 70% of Pal Mar is now under public ownership. With NAWCA funds, Martin County will partner with the South Florida Water Management District and The Nature Conservancy to help fill the gaps and acquire fee title of approximately 300 acres of private land in the Pal Mar area. Martin County has divided the targeted acquisition area in Pal Mar into 10 different sections (as demonstrated on the map), and will commence negotiations in Phase 1 of the area. Parcel sizes will range from ¼ to 2 acres in size. Assuming the typical lot size is 1 acre, there will be approximately 300 tracts of land purchased with grant/match funds.

Tract __Phase 1 (1-300)__ : **Acquisition Financial Table Justification** - \$__1,635,000__ and __300__ acres
Grant - \$__1,000,000__ **Match** - \$__635,000__ **Non-Match** - \$__0__ **Completion:** December 2016

LAND ACQUISITION DISCLOSURE

Type of acquisition:	Fee simple
Holder of NAWCA conservation interest:	Martin County
Grantor/Seller of conservation interest:	Bob Berman, representing the landowners’ coalition willing to sell Pal Mar land to Martin County
Tenure of conservation interest:	In perpetuity
All funding sources for acquisition:	Martin County, South Florida Water Management District, The Nature Conservancy, and grant funds
Are mineral rights severed or included?	Included
Are water rights severed or included?	Included

EASEMENTS: N/A

LEASES: N/A

Item & Work	Units	\$/unit	Total \$	Schedule (month, year)	Funding Source (Grant or Partner name)
LAND COSTS: FEE ACQUIRED					
Fee acquisition	300	5,000	\$1,500,000	December 2016	Grant, Martin County
Subtotal Land Costs					\$1,500,000
APPRAISALS and OTHER ACQUISITION COSTS					
Appraisal	1	\$3,000	\$3,000	September 2015	Grant
Title fees			\$97,000	October 2015 – December 2016	Grant
Subtotal Appraisals and Other Acquisition Costs					\$100,000
NON-CONTRACT PERSONNEL and TRAVEL					
Project management			\$20,000	Project period	Martin County
Transaction support			\$15,000	Project period	South Florida Water Management District, The Nature

					Conservancy
Subtotal Non-Contract Personnel and Travel					\$35,000
TOTAL ACQUISITION DIRECT COSTS					\$1,635,000

TRACT Harmony

OVERALL ACRES AFFECTED: 181

STATE/FEDERAL AGENCIES HOLDING INTERESTS: South Florida Water Management District

Acreeage Summary of Grant/Match Activities on the Tract:

Acquisition: 181 **Restoration:** N/A **Enhancement:** N/A **Establishment:** N/A

Describe all applicable grant/match activities occurring on the tract here:

Martin County, in partnership with the South Florida Water Management District, is purchasing the 1,840 acre Harmony property in the targeted Pal Mar area, and intends to use the value of this land (\$20,379,793) as match for multiple Standard Grant applications. A match of \$2 million of this purchase (181 acres of the total 1,840 acre property) will be applied to this first request for U.S. Fish and Wildlife Service funds.

Tract Harmony **: Acquisition Financial Table Justification - \$**2,000,000 **and** 181 **acres**
Grant - \$0 **Match - \$**2,000,000 **Non-Match - \$**0 **Completion:** July 2015

LAND ACQUISITION DISCLOSURE

Type of acquisition:	Fee simple
Holder of NAWCA conservation interest:	South Florida Water Management District
Grantor/Seller of conservation interest:	Hobe Sound Ranch, Ltd.
Tenure of conservation interest:	In perpetuity
All funding sources for acquisition:	Martin County and South Florida Water Management District
Are mineral rights severed or included?	Severed
Are water rights severed or included?	Included

EASEMENTS: N/A

LEASES: N/A

Item & Work	Units	\$/unit	Total \$	Schedule (month, year)	Funding Source (Grant or Partner name)
LAND COSTS: FEE ACQUIRED					
Fee acquisition	181	11,050	\$2,000,000	July 2015	Martin County
Subtotal Land Costs					\$2,000,000
TOTAL ACQUISITION DIRECT COSTS					\$2,000,000

TECHNICAL ASSESSMENT QUESTION 1
How does the proposal contribute to the conservation of waterfowl habitat?

A. HIGH PRIORITY SPECIES: Lesser Scaup, Mallard and Northern Pintail

B. OTHER PRIORITY SPECIES: American Wigeon, Ring-necked Duck and Wood Duck

C. OTHER WATERFOWL: Black-bellied Whistling Duck, Blue-winged Teal, Bufflehead, Fulvous Whistling Duck, Green-winged Teal, Hooded Merganser, Mottled Duck, and Northern Shoveler

D. NARRATIVE

1. Describe how the proposal will aid in meeting objectives of waterfowl conservation plans.

Martin County and the Pal Mar area are located in the “Areas of Greatest Continental Significance to North American Ducks, Geese, and Swans” (see #25 on figure at right), as identified in the *North American Waterfowl Management Plan 2012*. A key recommendation of the Plan is to “focus resources on important landscapes.” The Plan also supports prioritization of conservation efforts at the Joint Venture level. The Atlantic Coast Joint Venture has identified the Upper St. Johns and Adjacent Coast (where Pal Mar is located) as a focus area for conservation efforts.

Acquisition of the subject tracts will protect and preserve habitat for waterfowl species that are year-round breeding residents in southeast Florida, primarily dabbling ducks (i.e., Wood Ducks and Mottled Ducks), Common Moorhens, and Purple Gallinules, and potentially provide nesting habitat for Black-bellied Whistling Ducks and Fulvous Whistling Ducks, species that have been documented to occur on nearby publicly-owned conservation lands.

Pal Mar acquisition will also protect and preserve habitat for species of migratory waterfowl that are seasonal residents in southeast Florida, including 12 species that have been documented to occur on nearby publicly-owned conservation lands that have the same habitats that are on the subject properties. These include Black-bellied Whistling Duck, Fulvous Whistling Duck, Blue-winged Teal, Green-winged Teal, American Wigeon, Northern Pintail, Northern Shoveler, Lesser Scaup, Bufflehead, Hooded Merganser, Mallard, and Ring-necked Duck.

2. For the species listed above, describe how many individuals/pairs will use the proposal area before and after the proposal is completed and for what life cycle stage(s) after the proposal is completed.

Field investigations were conducted in January-February 2015 on two tracts in the Pal Mar area to confirm the presence of key waterfowl species. However, the interior portions of the target area could not be surveyed due to relative inaccessibility. An aerial fly-over is scheduled for late February 2015, and those results (which may increase recorded bird counts below) will be shared with the U.S. Fish and Wildlife Service.

	Species	Breeding		Migration		Wintering	
		Before	After	Before	After	Before	After
High Priority	Lesser Scaup			R	R	R	R
	Mallard			R	R	R	R
	Northern Pintail					R	R
Priority	American Wigeon			R	R	R	R
	Ring-necked Duck			R	R	R	R
	Wood Duck	C	C			R	R
Other	Black-bellied Whistling Duck	C	C			C	C

Blue-winged Teal			R	R	C	C
Bufflehead			R	R	R	R
Fulvous Whistling Duck	R	R			R	R
Green-winged Teal			R	R	R	R
Hooded Merganser			R	R	R	R
Mottled Duck	C	C	C	C	C	C
Northern Shoveler			R	R	R	R

3. How will the proposal impact species affected and improve habitat quality (describe before- and after-proposal environment)?

The primary benefit to waterfowl will be the permanent protection of several thousand acres of wetlands that are presently subject to development-related impacts. Increases in species counts will occur as a result of the removal of invasive plant and animal species, which are currently present in low numbers but have the potential to expand tremendously in number and spatial extent. Martin County will also explore removing portions of the existing canal/berm system to improve hydrology and habitat conditions.

4. What is the importance of each tract or logical groupings of tracts shown in the proposal to the species (if tracts are not yet identified, explain what procedure will be used to ensure that high quality habitat is targeted)?

The tracts that Martin County will acquire with Standard Grant support are missing parts of a regional wetland and endangered species protection initiative that began several decades ago when Martin County and the State of Florida teamed to acquire the first 1,000 acres in Pal Mar. The goal was to provide a continuous linkage of permanently protected, publicly-owned, publicly-accessible conservation lands between the Atlantic Ocean and Lake Okeechobee. The properties that are the subject of this investigation are strategically located to preserve wetland habitat and provide hydrologic value as water recharge areas and as headwaters within the Loxahatchee River (a federally-designated Wild and Scenic River) and Northern Everglades watersheds.

Working in partnership with Palm Beach County, the South Florida Water Management District and the Florida Department of Environmental Protection, Martin County has been able to acquire land from willing sellers when land conservation resources have been available. Thousands of acres within this corridor have been acquired by governmental agencies and are being managed for conservation purposes. Over 70% of Pal Mar is now under public ownership. Acquisition of another 300 acres within the Pal Mar area will contribute to this effort.

Martin County has divided the targeted acquisition area in Pal Mar into 10 different sections, and will commence negotiations in these areas by group to acquire approximately 300 acres of land. Parcel sizes will range from ¼ to 2 acres in size. Assuming the typical lot size is 1 acre, there will be approximately 300 tracts of land purchased with grant/match funds. Martin County will seek to acquire property that has high waterfowl habitat value, faces near-term threats, is contiguous with other publicly-owned land, and is available from a willing seller.

Land management plans have been developed, adopted, and are being implemented for the adjoining publicly-owned conservation tracts. Natural resource management partners include the Florida Fish and Wildlife Conservation Commission, the South Florida Water Management District, Martin County and Palm Beach County. Habitat improvement projects (e.g., hydrologic improvements, invasive species eradication) on these previously-acquired tracts has led to the properties becoming increasingly valuable for threatened and endangered species, including Snail Kites, Wood Storks, Florida Sandhill Cranes, waterfowl, and dozens of other wetland-dependent species.

TECHNICAL ASSESSMENT QUESTION 2

How does the proposal contribute to the conservation of other wetland-associated migratory birds?

The project is within Bird Conservation Region 31 – Peninsular Florida.

A. Priority Bird Species

Species/Plan	Numbers Affected	Benefits of Project	Tract Importance
<u>Limpkin (<i>Aramus guarauna</i>)</u>	Breeder 20-50 pairs	Preserve nesting and foraging habitat.	Protects thousands of acres of palustrine emergent wetland for

<p>NAWCA BCR 31 (Highest Priority, B N)</p> <p><i>North American Waterbird Conservation Plan</i></p> <p><i>Southeast United States Regional Waterbird Conservation Plan</i> (Species of Regional Concern)</p> <p>State-designated Species of Special Concern</p>			<p>foraging and nesting. The herbaceous wetlands provide excellent habitat for Apple Snails (<i>Pomacea paludosa</i>), the preferred food item for Limpkins.</p>
<p><u>Swallow-tailed Kite</u> (<i>Elanoides forficatus</i>)</p> <p>NAWCA BCR 31 (Highest Priority, B, T)</p> <p>Partners in Flight (Watch List Species)</p>	<p>Breeder 5-10 pairs</p>	<p>Preserve nesting and foraging habitat.</p>	<p>Protects thousands of acres of hydric flatwoods for foraging and nesting.</p>
<p><u>Least Tern</u> (<i>Sterna antillarum</i>)</p> <p>NAWCA BCR 31 (High Priority, B)</p> <p><i>North American Waterbird Conservation Plan</i></p> <p><i>Southeast United States Regional Waterbird Conservation Plan</i> (Species of Continental and Regional Concern)</p> <p>State-listed Threatened Species</p>	<p>Summer-time breeder in vicinity 10-20 pairs</p>	<p>Removal of spoil berms could create nesting habitat.</p>	<p>Nesting habitat for this species in peninsular Florida is declining. Beach nesting in the area is now reduced to only 1 or 2 sites annually. As rooftop nesting areas are structurally upgraded, nesting suitability decreases, so the value of sites such as Pal Mar that can be scarified to create nesting habitat is increased.</p>
<p><u>Least Bittern</u> (<i>Ixobrychus exilis</i>)</p> <p>NAWCA BCR 31 (High Priority, B)</p> <p><i>North American Waterbird Conservation Plan</i></p> <p><i>Southeast United States Regional Waterbird Conservation Plan</i> (Species of Regional Concern)</p>	<p>Breeder 5-10 pairs</p>	<p>Preserve nesting and foraging habitat.</p>	<p>Protects thousands of acres of palustrine emergent wetland for foraging and nesting.</p>
<p><u>Lesser Yellowlegs</u> (<i>Tringa flavipes</i>)</p> <p>NAWCA BCR 31 (High Priority, N)</p> <p><i>U.S. Shorebird Conservation Plan</i> (Species of Moderate Concern)</p>	<p>Migrant 100 individuals</p>	<p>Preserve wintering habitat.</p>	<p>Protects thousands of acres of palustrine emergent wetland for winter residency.</p>
<p><u>American Woodcock</u> (<i>Scolopax minor</i>)</p> <p>NAWCA BCR 31 (High Priority, N)</p> <p><i>U.S. Shorebird Conservation Plan</i> (Species of High Concern)</p>	<p>Migrant 50 individuals</p>	<p>Preserve wintering habitat.</p>	<p>Protects thousands of acres of palustrine emergent wetland for winter residency.</p>
<p><u>Yellow Rail</u> (<i>Coturnicops noveboracensis</i>)</p> <p>NAWCA BCR 31 (High Priority, N)</p> <p><i>Southeast United States Regional Waterbird</i></p>	<p>Migrant 50 individuals</p>	<p>Preserve wintering habitat.</p>	<p>Protects thousands of acres of palustrine emergent wetland for winter residency.</p>

<i>Conservation Plan (Species of Continental and Regional Concern)</i>			
<u>King Rail (<i>Rallus elegans</i>)</u> NAWCA BCR 31 (High Priority, B, N) <i>North American Waterbird Conservation Plan</i> <i>Southeast United States Regional Waterbird Conservation Plan (Species of Continental and Regional Concern)</i>	Breeder & likely migrant 50 individuals	Preserve nesting and foraging habitat.	Protects thousands of acres of palustrine emergent wetland for foraging and nesting.
<u>American Bittern (<i>Botaurus lentiginosus</i>)</u> NAWCA BCR 31 (High Priority, N) <i>North American Waterbird Conservation Plan</i> <i>Southeast United States Regional Waterbird Conservation Plan (Species of Regional Concern)</i>	Year-round resident 10-20 pairs	Preserve nesting and foraging habitat.	Extensive mosaic of herbaceous wetlands provide nesting and foraging habitat.
<u>Bald Eagle (<i>Haliaeetus leucocephalus</i>)</u> NAWCA BCR 31 Partners in Flight (Additional Stewardship Species)	Breeder 2 pairs	Preserve nesting and foraging habitat.	Protects thousands of acres of open-water and herbaceous wetlands adjacent to potential nesting areas in pine flatwoods and oak hammocks.

Martin County plans to acquire approximately 300 acres of land with U.S. Fish and Wildlife Service funds. Assuming the typical lot size is 1 acre, 300 tracts of land will be purchased. Martin County has divided the targeted acquisition area in Pal Mar into 10 different sections, and will commence negotiations in these areas by group. Martin County will seek to acquire property that has high migratory bird habitat value, faces near-term threats, is contiguous with other publicly-owned land, and is available from a willing seller.

B. Other Wetland-Associated Bird Species

Species/Plan	Numbers Affected	Benefits of Project	Tract Importance
<u>Snail Kite (<i>Rostrhamus sociabilis</i>)</u> NAWCA BCR 31 (Highest Priority, B, E) <i>North American Waterbird Conservation Plan</i> <i>South Florida Multi-Species Recovery Plan</i> Federally-listed Endangered Species	Breeder 5-10 pairs	Preserve nesting and foraging habitat.	Protects thousands of acres of palustrine emergent wetland for foraging and nesting. The herbaceous wetlands provide excellent habitat for Apple Snails (<i>Pomacea paludosa</i>), the preferred food item for Snail Kites. Cypress, slash pines and other trees in close proximity to the herbaceous wetlands provide nesting habitat adjacent to foraging areas.
<u>Wood Stork (<i>Mycteria americana</i>)</u> NAWCA BCR 31 (Highest Priority, B, N) <i>North American Waterbird Conservation Plan</i> <i>Southeast United States Regional Waterbird Conservation Plan (Species of Regional</i>	Breeder 25-50 pairs	Preserve foraging habitat and potential nesting habitat.	Within the Core Foraging Area of two known nesting colonies.

Concern) <i>South Florida Multi-Species Recovery Plan</i> Federally-listed Endangered Species			
<u>Red-cockaded Woodpecker (<i>Picooides borealis</i>)</u> NAWCA BCR 31 (Highest Priority, B, N) Partners in Flight (Watch List Species) <i>South Florida Multi-Species Recovery Plan</i> Federally-listed Endangered Species	Known breeder in vicinity 5-10 pairs	Preserve nesting and foraging habitat.	Protects thousands of acres of pine forest favored by species.
<u>Southeastern American Kestrel (<i>Falco sparverius paulus</i>)</u> NAWCA BCR 31 (Highest Priority, B) State-listed Threatened Species	Wintering kestrels documented. SE subspecies may occur in low numbers 5-10 pairs	Open flatwoods provide foraging habitat and pine snags may provide nesting sites.	SE Kestrels are exceedingly rare in southeast Florida. Pal Mar's mosaic of open flatwoods and wetlands provide foraging area for kestrels.
<u>Audubon's Crested Caracara (<i>Polyborus plancus audubonii</i>)</u> NAWCA BCR 31 (Highest Priority, B, N) <i>South Florida Multi-Species Recovery Plan</i> Federally-listed Threatened Species	Breeding resident 2-10 pairs	Cabbage palm trees provide nesting sites and open areas provide foraging habitat.	Management of former pasture areas could improve habitat for this species.
<u>Roseate Spoonbill (<i>Ajaja ajaja</i>)</u> NAWCA BCR 31 (High Priority, B, N) <i>North American Waterbird Conservation Plan</i> <i>Southeast United States Regional Waterbird Conservation Plan</i> (Species of Continental and Regional Concern) State-designated Species of Special Concern	Breeding resident in vicinity. 10-20 pairs	Spoonbills forage in herbaceous wetlands and move about as receding water levels concentrate prey.	Pal-mar's abundant isolated herbaceous wetlands have varying sizes and depths. Smaller wetlands concentrate prey early in the dry season, and larger wetlands dry out more slowly, crating better foraging conditions later in the dry season, which coincides with nesting season. Documented spoonbill nesting sites are within aerial "Commuting distance" from Pal-mar wetlands.
<u>Brown Pelican (<i>Pelecanus occidentalis</i>)</u> NAWCA BCR 31 (High Priority, B, N) <i>North American Waterbird Conservation Plan</i> <i>Southeast United States Regional Waterbird Conservation Plan</i> (Additional Stewardship Species) State-designated Species of Special Concern	Breeding resident in vicinity 30-50 pairs nest annually approximately 15 miles in coastal areas to the NE. Adults &/or immatures may forage in open-water canals.	Preserves foraging areas.	Canals provide foraging areas, particularly when high winds in coastal areas make catching prey difficult.
<u>Florida Burrowing Owl (<i>Athene cunicularia</i>)</u>	Breeding resident	Former	Management of former pasture

<u>floridana)</u> NAWCA BCR 31 (High Priority, B, N) State-designated Species of Special Concern	2-10 pairs	agricultural/ruderal sites and open areas may provide foraging habitat and nest sites.	areas could improve habitat for this species.
<u>White Ibis</u> NAWCA BCR 31 (High Priority, B, N) <i>North American Waterbird Conservation Plan</i> <i>Southeast United States Regional Waterbird Conservation Plan</i> (Species of Continental and Regional Concern) State-designated Species of Special Concern	50-150, year-round resident, nests in vicinity	Protects habitat from development; improves habitat by allowing management/stewardship where none presently exists	Year-round foraging habitat; particularly valuable as different-size wetlands draw down and concentrate prey sequentially throughout the nesting season
<u>Tricolored Heron</u> NAWCA BCR 31 (High Priority, B, N) <i>North American Waterbird Conservation Plan</i> <i>Southeast United States Regional Waterbird Conservation Plan</i> (Additional Stewardship Species) State-designated Species of Special Concern	20-50, year-round resident, nests in vicinity	Protects habitat from development; improves habitat by allowing management/stewardship where none presently exists	Year-round foraging habitat; particularly valuable as different-size wetlands draw down and concentrate prey sequentially throughout the nesting season

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TECHNICAL ASSESSMENT QUESTION 3

How does the proposal location relate to the geographic priority wetlands described by the North American Waterfowl Management Plan, Partners in Flight, the U.S. Shorebird Conservation Plan, and/or the North American Waterbird Conservation Plan?

A. NATIONAL PRIORITY WETLAND AREAS.

National Bird Plan Priority Areas:	In	Partially In	Out
NAWMP	X		
PIF	X		
Wading Birds	X		
Shorebirds			X

The Pal Mar project will protect land within three national priority areas for wetland habitat conservation, including:

North American Waterbird Conservation Plan

The Pal Mar project area is located within the geographic priorities of the *North American Waterbird Conservation Plan*. The Plan provides a continental-scale framework for the conservation and management of 210 species of waterbirds. These birds' dependence on aquatic habitats such as wooded swamps, stream corridors, salt marshes, barrier islands, continental shelf waters and open pelagic waters make them especially vulnerable to the myriad threats facing water and wetland resources globally. The Plan area is organized into several planning regions; the *Southeast United States Regional Waterbird Conservation Plan* covers the Pal Mar area. This Southeast Plan identifies habitat loss and degradation as the largest threat to waterbird conservation in Florida. Protecting existing habitat (like Pal Mar) from human disturbances or predators is among the highest priorities for waterbird conservation in the southeastern United States. Habitat for several species prioritized in the *North American Waterbird Conservation Plan* will be protected, including: the Snail Kite, Wood Stork, Limpkin, American Bittern, Least Tern, Least Bittern, King Rail, Roseate Spoonbill, and Brown Pelican.

Partners for Flight North American Landbird Conservation Plan

The proposed project area is located within the Partners for Flight geographic priority area. Partners in Flight was formed with the commitment to conserve the resident, short-distance, and Neotropical migrant landbirds that occupy every major biome and habitat on the continent. The *Partners for Flight North American Landbird Conservation Plan* identifies several overarching threats facing landbirds in North America. These threats include habitat loss, degradation and fragmentation due to urban and suburban development, and intensified agricultural practices. The Plan also identifies a critical need to properly protect habitat used during migration and on wintering grounds. The proposed project area is subject to growing development pressure. The project area is also adjacent to significant conservation land. Habitat for several species prioritized in the *Partners for Flight North American Landbird Conservation Plan* will be protected, including: the Swallow-tailed Kite, Bald Eagle and Red-cockaded Woodpecker.

North American Waterfowl Management Plan

Martin County and the Pal Mar area are located in the “Areas of Greatest Continental Significance to North American Ducks, Geese, and Swans”, as identified in the *North American Waterfowl Management Plan*. A key recommendation of the Plan is to “focus resources on important landscapes.” Acquisition of the subject tracts will protect and preserve habitat for waterfowl species that are year-round breeding residents in southeast Florida, primarily dabbling ducks (i.e., Wood Ducks and Mottled Ducks), Common Moorhens, and Purple Gallinules, and potentially provide nesting habitat for Black-bellied Whistling Ducks and Fulvous Whistling Ducks, species that have been documented to occur on nearby publicly-owned conservation lands. Pal Mar acquisition will also protect and preserve habitat for species of migratory waterfowl that are seasonal residents in southeast Florida, including 12 species that have been documented to occur on nearby publicly-owned conservation lands that have the same habitats that are on the subject properties. These include Black-bellied Whistling Duck, Fulvous Whistling Duck, Blue-winged Teal, Green-winged Teal, American Wigeon, Northern Pintail, Northern Shoveler, Lesser Scaup, Bufflehead, Hooded Merganser, Mallard, and Ring-necked Duck.

B. REGIONAL IMPORTANT WETLAND AREAS.

The Pal Mar project also complements a number of regional initiatives to protect important wetland areas and bird habitats, including:

Atlantic Coast Joint Venture

The Atlantic Coast Joint Venture brings together public and private agencies, conservation groups, and other partners focused on the conservation of habitat for native birds in the Atlantic Flyway of the United States from Maine south to Puerto Rico. The Atlantic Coast Joint Venture has identified the Upper St. Johns and Adjacent Coast (where Pal Mar is located) as a focus area for conservation efforts. This region provides some of the best habitat for waterfowl in the state. However, poor water quality resulting from urban/suburban and agricultural runoff and an increasing presence of invasive exotic plants pose a significant threat to restoring and enhancing wetland habitat. Acquisition of targeted land in Pal Mar will provide habitat and benefits for critical waterfowl species, including: the Lesser Scaup, Mallard, Northern Pintail, American Wigeon, Ring-necked Duck, Wood Duck, Black-bellied Whistling Duck, Blue-winged Teal, Bufflehead, Fulvous Whistling Duck, Green-winged Teal, Hooded Merganser, Mottled Duck, and Northern Shoveler.

Florida Bird Conservation Initiative

The Florida Bird Conservation Initiative is a “voluntary public-private partnership that seeks to promote the sustainability of native Florida birds and their habitats through coordinated efforts that strategically address critical needs related to conservation planning.” The Florida Bird Conservation Initiative, in coordination with the Atlantic Coast Joint Venture, developed their list of priority avian species for Bird Conservation Region 31. This proposal will advance those goals of by protecting habitat for several of the highest priority species, including Red-cockaded Woodpecker, Wood Stork, Snail Kite, Limpkin, Swallow-tailed Kite, Mottled Duck, and Southeastern American Kestrel.

Comprehensive Everglades Restoration Plan

To combat the loss of the natural freshwater floodplain swamps, this region was included in the *Comprehensive Everglades Restoration Plan*. The *Comprehensive Everglades Restoration Plan* prioritizes storing water within natural ecosystems during the rainy season to allow for dry season flows to the Loxahatchee River. Pal Mar represents the

western headwaters to the Loxahatchee River. As such, preserving and restoring this property is critical to the restoration of the Loxahatchee.

Radar Analysis of Bird Migration Stopover Sites in the Southeastern U.S.

The southeastern U.S. contains stopover sites for many long-distance migratory landbirds of eastern North America during their southbound migration in the fall, including millions of juvenile birds on their first migratory flights. The region also includes points of departure for migrants embarking on overwater flights en route to tropical wintering areas, and the first stopover sites for many returning northbound migrants during spring. The *Radar Analysis of Bird Migration Stopover Sites in the Southeastern U.S.* study, a report conducted through a U.S. Fish and Wildlife Service cooperative agreement with the University of Delaware, used radar reflectivity as a measure of relative bird density and identified the Pal Mar area of Peninsular Florida as an important stopover area.

Florida Forever

Florida’s Department of Environmental Protection lists Pal Mar on its Florida Forever list. Florida Forever is the state’s premier conservation and recreation lands acquisition program, which has purchased more than 707,740 acres of land since its inception to conserve the state’s natural and cultural heritage.

National Audubon Society’s Important Bird Areas

The National Audubon Society has established a list of Important Bird Areas that provide essential habitat for one or more species of bird. Important Bird Areas must satisfy at least one of the following criteria: 1) support species of conservation concern (e.g., threatened and/or endangered species); 2) support restricted-range species; 3) support species that are vulnerable because their populations are concentrated in one general habitat type or biome; and/or 4) species or groups of similar species, that are vulnerable because they occur at high densities due to congregation. Audubon has listed the Loxahatchee River and Slough area (which includes Pal Mar) as an Important Bird Area.

TECHNICAL ASSESSMENT QUESTION 4

How does the proposal relate to the national status and trends of wetlands types?

ACTIVITY AND TRACTS IN THE PROPOSAL	STATUS, TYPES, AND ACRES OF WETLANDS Note: Types subsidiary to types listed below have the same status.									UPLANDS	TOTAL
	DECREASING				STABLE			INCREASING	NO TREND DATA		
	PEM	PFO	PSS	E2 Ve g	E2AB, E2US	L	R	M2, PAB, PUB/POW, PUS	E1, PML, PRB		
SECTION A											
Fee	143	112	50							176	481
Easement											
Lease											
ACQUIRED TOTAL	143	112	50							176	481
RESTORED											
ENHANCED											
ESTABLISHED											
TYPE TOTALS	143	112	50							176	
STATUS TOTALS	305										
GRAND TOTALS				305						176	
SECTION B											

Tract: Phase 1 (1-300)	125	75	50						50	300
Tract: Harmony	18	37							126	181

Provide a brief narrative to describe upland habitats (e.g., cropland, grassland, forest) and the relationship to wetlands and migratory bird conservation (i.e., reason for including in proposal).

There are currently 176 acres of upland habitat in the Harmony match tract. Historically, approximately 70% of Harmony consisted of a wide slough system similar to what is found in the other areas of Pal Mar. Due to human activities, most of the site has been converted to improved pasture. Remnant cypress swamps and marsh areas currently occupy roughly 30% of the property. Long-range plans for the site include removing ditches/drainage features and re-establishing the wetland system. The goal of these restoration efforts will be to restore as much of the original wetland footprint as possible. Other uplands are included in the targeted tracts as suitable habitat for threatened species.

TECHNICAL ASSESSMENT QUESTION 5

How does the proposal contribute to long-term conservation of wetlands and associated habitats?

ACTIVITY	ACRES BY LONGEVITY OF BENEFITS				TOTAL ACRES
	* Includes water control structures made of material other than wood. ** Includes wood water control structures and pumps.				
	PERPETUITY	*26-99	**10-25	< 10	
SECTION A					
Fee Acquired	481				481
Easement					
Lease					
TOTAL ACQUIRED	481				481
RESTORED					
ENHANCED					
ESTABLISHED					
TOTAL	481				481
SECTION B					
Tract: Phase 1 (1-300) (grant + new match)	300				300
Tract: Harmony (old match)	181				181

Provide a brief narrative describing the significance of the proposal to long-term conservation, including how the project might help address climate change concerns or be affected by climate change.

Agriculture and residential development have reduced natural areas in southeast Florida’s interior to fragments. Martin County seeks a Standard Grant to protect critical land and habitat in the Pal Mar area, one of the largest and best fragments. Martin County’s goals for the protection of the Pal Mar area include: to conserve and protect significant habitat for native species or endangered and threatened species; to conserve, protect, manage, and restore important ecosystems, landscapes, and forests, in order to enhance or protect significant surface water, coastal, recreational, timber, fish or wildlife resources which local or state regulatory programs cannot adequately protect; and to provide areas, including recreational trails, for natural resource-based recreation.

One of Martin County’s long-term goals is to reintroduce Red-cockaded Woodpeckers into this area. The federal government currently lists these woodpeckers as an endangered species. These woodpeckers need large, 50+ year old pine trees and open understory to create acceptable habitat. The woodpeckers use living pine trees for their nest cavities. Although the pine trees in this area are not quite large enough to support the woodpeckers, Martin County believes that they will be within the next 20-30 years. Martin County will also work with state partners to institute a prescribed fire program to promote better habitat for these birds.

Pal Mar is also a critical component of the restoration of the Loxahatchee River. The Loxahatchee is one of only two federally designated Wild and Scenic Rivers in the State of Florida. Salt water intrusion has been causing the loss of the freshwater floodplain cypress forests that make the Loxahatchee River so famous. More specifically, over two miles of the freshwater swamps have converted to saltwater mangrove forests in the last 50 years. This is due to drainage systems that rapidly remove water from the land into drainage canals/ditches where it is eventually lost to tide. This water is then unavailable during the dry season when it is needed to prevent salt water intrusion. To combat the loss of the natural freshwater floodplain swamps, this region was included in the *Comprehensive Everglades Restoration Plan*. The *Comprehensive Everglades Restoration Plan* prioritizes storing water within natural ecosystems during the rainy season to allow for dry season flows to the Loxahatchee River. Pal Mar represents the western headwaters to the Loxahatchee River. As such, preserving and restoring this property is critical to the restoration of the Loxahatchee.

U.S. Fish and Wildlife Service funds will leverage significant other resources. The preservation of the Pal Mar area enjoys strong support from the State of Florida. Florida’s Department of Environmental Protection lists Pal Mar on its *Florida Forever* list. *Florida Forever* is the state’s premier conservation and recreation lands acquisition program, which has purchased more than 707,740 acres of land since its inception to conserve the state’s natural and cultural heritage. Pal Mar has received acquisition funding under the under the State’s Save Our Rivers (SOR), Conservation and Recreational Lands (CARL), and Preservation 2000 (P-2000) programs. Martin County is currently seeking support from the U.S. Forest Service’s Community Forest program to purchase upland property in Pal Mar, and will soon seek Loxahatchee River Preservation Initiative funds for further acquisition.

Conservation efforts in Pal Mar also help Martin County adapt to the impacts of climate change. According to *Audubon’s Birds and Climate Report*, of the 588 North American bird species studied, more than half are likely to be in threatened by climate change. Audubon’s models indicate that 314 species will lose more than 50 percent of their current climatic range by 2080. Of the 314 species at risk from global warming, 126 of them are classified as climate endangered. These birds are projected to lose more than 50 percent of their current range by 2050. The other 188 species are classified as climate threatened and expected to lose more than 50 percent of their current range by 2080 if global warming continues at its current pace. Protecting these bird species will require both redoubling conservation efforts to safeguard habitat and curbing greenhouse gas emissions. The acquisition of important Pal Mar land will conserve critical habitat in perpetuity.

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TECHNICAL ASSESSMENT QUESTION 6

How does the proposal contribute to the conservation of habitat for wetland-associated federally-listed or proposed endangered species; wetland associated state-listed species; and other wetland-associated fish and wildlife that are specifically involved with the proposal?

A. Federally Threatened, Endangered or Proposed candidate species:

Species	Listing	# individuals/pairs will use the proposal area; for what life cycle stage; and is this an improvement in population #?	How proposal will improve habitat quality?
BIRDS			
Florida Snail Kite (<i>Rostrhamus sociabilis</i>)	Endangered	2-10 pairs; breeding residents; improvement	Protect from development and improve habitat by management
Wood Stork (<i>Mycteria americana</i>)	Endangered	50-100 individuals; year-round residents in the vicinity; improvement to foraging habitat	Protect from development and improve habitat by management
Red-cockaded Woodpecker (<i>Picoides borealis</i>)	Endangered	0-10 pairs; year-round residents in the vicinity; improvement to nesting habitat	Protect from development and improve habitat by management

Audubon's Crested Caracara (<i>Polyborus plancus audubonii</i>)	Threatened	0-10 pairs; year-round residents; increasing nesting habitat	Protect from development and improve habitat by management
MAMMALS			
Rice Rat (<i>Oryzomys palustris</i>)	Endangered	0-20 individuals; year-round residents; improvement	Improve habitat through canal removal and wetlands restoration
Florida Panther (<i>Felis concolor coryi</i>)	Endangered	5 or fewer; part of Florida Panther's range; improvement	Protect from development and improve habitat by management
REPTILES			
American Alligator (<i>Alligator mississippiensis</i>)	Threatened	50-100 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Eastern Indigo Snake (<i>Drymarchon couperi</i>)	Threatened	0-20 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Gopher Tortoise (<i>Gopherus polyphemus</i>)	Candidate	0-20 individuals; year-round residents; improvement	Protect from development and improve habitat by management; possible introduction/re-introduction
PLANTS			
Tiny Polygala (<i>Polygala smallii</i>)	Endangered	0-10 individuals; year-round; improvement	Protect from development and improve habitat by management; possible introduction/re-introduction
Florida Filmy Fern (<i>Trichomanes punctatum ssp. floridanum</i>)	Candidate	0-10 individuals; year-round; improvement	Protect from development and improve habitat by management; possible introduction/re-introduction

How many individuals/pairs will use the proposal area and for what life cycle stage and whether this is an improvement in population numbers over the current situation: See table above

How proposal will improve habitat quality (describe the before- and after-proposal environment): See table above

Whether proposed actions and proposal area are identified in a recovery plan or other species plan: Acquisition of threatened habitat is a key recommendation of the *South Florida Multi-Species Recovery Plan*. The *South Florida Multi-Species Recovery Plan* addresses the following Endangered and Threatened species: the Snail Kite, Wood Stork, Red-cockaded Woodpecker, Audubon's Crested Caracara, Rice Rat, Florida Panther, Eastern Indigo Snake, and Tiny Polygala.

Whether the completed proposal will relieve the need for any special protective status for the species: Conserving Pal Mar land will support species recovery, but in and of itself is not enough to delist any species.

Importance of each tract or logical groupings of tracts shown on maps in the proposal to the species (if tracts are not yet identified, explain what procedure will be used to ensure that high quality habitat is targeted): Martin County plans to acquire approximately 300 acres of land with U.S. Fish and Wildlife Service funds. Assuming the typical lot size is 1 acre, 300 tracts of land will be purchased. Martin County has divided the targeted acquisition area in Pal Mar into 10 different sections, and will commence negotiations in these areas by group. Martin County will seek to acquire property that has high habitat value for federal-listed Endangered and Threatened species, faces near-term threats, is contiguous with other publicly-owned land, and is available from a willing seller.

B. State-listed endangered or threatened species (not included above):

Species	Listing	# individuals/pairs will use the proposal area; for what life cycle stage; and is this an improvement in population #?	How proposal will improve habitat quality?
BIRDS			
Roseate Spoonbill (<i>Ajaja ajaja</i>)	Species of Special Concern	1-30 individuals; year-round residents in vicinity; improvement	Protect from development and improve habitat by management
Limpkin (<i>Aramus guarauna</i>)	Species of	30-80 pairs; year-round residents;	Protect from development and

	Special Concern	improvement	improve habitat by management
Florida Burrowing Owl (<i>Athene cunicularia floridana</i>)	Species of Special Concern	0-10 pairs; year-round residents in the vicinity; improvement	Protect from development and improve habitat by management
Little Blue Heron (<i>Egretta caerulea</i>)	Species of Special Concern	100-200 pairs; year-round residents; improvements	Protect from development and improve habitat by management
Snowy Egret (<i>Egretta thula</i>)	Species of Special Concern	20-50 pairs; year-round residents	Protect from development and improve habitat by management
Tricolored Heron (<i>Egretta tricolor</i>)	Species of Special Concern	50-100 pairs; year-round residents	Protect from development and improve habitat by management
White Ibis (<i>Eudocimus albus</i>)	Species of Special Concern	50-100 pairs; year-round residents	Protect from development and improve habitat by management
Southeastern American Kestrel (<i>Falco sparverius paulus</i>)	Threatened	0-5 individuals; year-round residents in vicinity	Protect from development and improve habitat by management
Florida Sandhill Crane (<i>Grus canadensis pratensis</i>)	Threatened	30-50 pairs; breeding residents	Protect from development and improve habitat by management
Brown Pelican (<i>Pelecanus occidentalis</i>)	Species of Special Concern	Less than 10 individuals; year-round in the vicinity	Protect from development and improve habitat by management
Least Tern (<i>Sterna antillarum</i>)	Threatened	0-20 pairs; summer-time breeding residents in the vicinity	Protect from development and improve habitat by management
MAMMALS			
Southern Short-tailed Shrew (<i>Blarina carolinensis</i>)	Species of Special Concern	50-100 pairs; year-round breeding residents	Protect from development and improve habitat by management
Florida Mouse (<i>Podomys floridanus</i>)	Species of Special Concern	0-5 pairs; year-round residents;	Protect from development and improve habitat by management
Everglades Mink (<i>Mustela vison evergladensis</i>)	Threatened	Less than 10 individuals; year-round in vicinity	Protect from development and improve habitat by management
Florida Mouse (<i>Peromyscus floridanus</i>)	Species of Special Concern	0-5 pairs; year-round residents;	Protect from development and improve habitat by management
Sherman's Fox Squirrel (<i>Sciurus niger shermani</i>)	Species of Special Concern	0-20 individuals; year-round in vicinity	Protect from development and improve habitat by management
REPTILES			
Florida Pine Snake (<i>Pituophis melanoleucus mugitus</i>)	Species of Special Concern	0-20 individuals; year-round residents in vicinity	Protect from development and improve habitat by management
Gopher Frog (<i>Rana capito aesopus</i>)	Species of Special Concern	0-20 individuals; year-round residents in vicinity	Protect from development and improve habitat by management
PLANTS			
Meadow Jointvetch (<i>Aeschynomene pratensis</i>)	Endangered	0-20 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Pine Pink (<i>Bletia purpurea</i>)	Threatened	0-100 individuals	Protect from development and improve habitat by management
Many-flowered Grass-pink (<i>Calopogon multiflorus</i>)	Endangered	0-100 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Sand-dune Spurge (<i>Chamaesyce cumulicola</i>)	Endangered	0-5 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Satinleaf (<i>Chrysophyllum oliviforme</i>)	Threatened	0-5 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Piedmont Jointgrass (<i>Coelorachis tuberculosa</i>)	Threatened	0-10 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Large-flowered Rosemary (<i>Conradina grandiflora</i>)	Threatened	0-10 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Clamshell Orchid (<i>Encyclia cochleata</i> var. <i>triandra</i>)	Endangered	0-10 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Butterfly Orchid (<i>Encyclia tampensis</i>)	Commercially Exploited	50-100 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Nodding Pinweed (<i>Lechea cernua</i>)	Threatened	0-10 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Catesby's Lily (<i>Lilium catesbaei</i>)	Threatened	50-100 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Small's Flax (<i>Linum carteri</i> var.	Endangered	0-10 individuals; year-round	Protect from development and

<i>smallii</i>)		residents; improvement	improve habitat by management
Nodding Clubmoss (<i>Lycopodiella cernua</i>)	Commercially Exploited	100-200 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Celestial Lily (<i>Nemastylis floridana</i>)	Endangered	0-50 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Giant Sword Fern (<i>Nephrolepis biserrata</i>)	Threatened	0-20 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Cinnamon Fern (<i>Osmundastrum cinnamomeum</i>)	Commercially Exploited	50-200 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Royal Fern (<i>Osmunda regalis</i>)	Commercially Exploited	50-200 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Blue-flowered Butterwort (<i>Pinguicula caerulea</i>)	Threatened	20-50 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Yellow-flowered Butterwort (<i>Pinguicula lutea</i>)	Threatened	50-200 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Snowy Orchid (<i>Platanthera nivea</i>)	Threatened	0-20 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Rose Pogonia (<i>Pogonia ophioglossoides</i>)	Threatened	20-50 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Florida Royal Palm (<i>Roystonea elata</i>)	Endangered	0-5 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Lace-top Ladies' Tresses (<i>Spiranthes laciniata</i>)	Threatened	50-100 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Longlip Ladies' Tresses (<i>Spiranthes longilabris</i>)	Threatened	50-100 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Northern Needleleaf (<i>Tillandsia balbisiana</i>)	Threatened	200-500 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Cardinal Airplant (<i>Tillandsia fasciculata</i>)	Endangered	500-2,000 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Twisted Airplant (<i>Tillandsia flexuosa</i>)	Threatened	50-200 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Giant Airplant (<i>Tillandsia utriculata</i>)	Endangered	500-2,000 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Soft-leaved Wildpine (<i>Tillandsia valenzuelana</i>)	Threatened	50-100 individuals; year-round residents; improvement	Protect from development and improve habitat by management
Scentless Vanilla (<i>Vanilla mexicana</i>)	Endangered	0-10 individuals; year-round residents; improvement	Protect from development and improve habitat by management

How many individuals/pairs will use the proposal area and for what life cycle stage and whether this is an improvement in population numbers over the current situation: See table above

How proposal will improve habitat quality (describe the before- and after-proposal environment): See table above

Whether proposed actions and proposal area are identified in a recovery plan or other species plan: N/A

Whether the completed proposal will relieve the need for any special protective status for the species: No

Importance of each tract or logical groupings of tracts shown on maps in the proposal to the species (if tracts are not yet identified, explain what procedure will be used to ensure that high quality habitat is targeted): Martin County plans to acquire approximately 300 acres of land with U.S. Fish and Wildlife Service funds. Assuming the typical lot size is 1 acre, 300 tracts of land will be purchased. Martin County has divided the targeted acquisition area in Pal Mar into 10 different sections, and will commence negotiations in these areas by group. Martin County will seek to acquire property that has high habitat value for state-listed Endangered and Threatened species, faces near-term threats, is contiguous with other publicly-owned land, and is available from a willing seller.

C. Other wetland-dependent fish and wildlife species and narrative:

The project will also protect habitat for the following species: Pied-billed Grebe, Anhinga, Double-crested Cormorant, Least Bittern, American Bittern, Black-crowned Night Heron, Yellow-crowned Night Heron, Green Heron, Cattle Egret, Great Egret, Great Blue Heron, Glossy Ibis, Roseate Spoonbill, Fulvous Whistling-Duck, Wood Duck, Mallard, Mottled Duck, Gadwall, Green-winged Teal, American Wigeon, Northern Pintail, Northern Shoveler, Blue-winged Teal, Ring-necked Duck, Lesser Scaup, Bufflehead, Hooded Merganser, Osprey, Swallow-tailed Kite, Northern Harrier, Bald Eagle, Red-shouldered Hawk, King Rail, Virginia Rail, Sora, Yellow Rail, Purple Gallinule, Common Moorhen, American Coot, Killdeer, American Avocet, Black-necked Stilt, Willet, Greater Yellowlegs, Lesser Yellowlegs, Solitary Sandpiper, Spotted Sandpiper, Marbled Godwit, Least Sandpiper, Long-billed Dowitcher, Stilt Sandpiper, Common Snipe, American Woodcock, Ring-billed Gull, Herring Gull, Lesser Black-backed Gull, and Forster’s Tern.

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TECHNICAL ASSESSMENT QUESTION 7

How does the proposal satisfy the partnership purpose of the North American Wetlands Conservation Act?

A. Ratio of the Non-Federal Match to the Grant Request: 2.6 to 1

B. 10% Matching Partners: Martin County’s contribution to the purchase of Harmony (\$2,000,000), as well as \$600,000 in cash, will be used as match in this first request for NAWCA funds. The contribution of the South Florida Water Management District will be applied as a 10% matching partner in future applications.

C. Partner Categories (includes non-match) – Non-matching support letters are available on file
State agencies: Loxahatchee River District, Florida Department of Environmental Protection

Non-governmental conservation organizations: The Nature Conservancy, Loxahatchee River Management Coordinating Council, Audubon Society of Martin County, Florida Wildlife Federation, Florida Oceanographic Society, Indian Riverkeeper, The Rivers Coalition, Marine Resources Council, Martin County Native Plant Society, Friends of the Loxahatchee, Treasured Lands Foundation, 1,000 Friends of Florida, and Guardians of Martin County

Local governments, counties or municipalities: Martin County

Private landowners: Bob Berman, Margaret Ketter

Other partner groups: South West Florida Water Management District

D. Important Partnership Aspects (new grant recipient, significant new partners, unique partners, large numbers of partners under any category in C. above, non-financial contributions): The project team has never received support from the U.S. Fish and Wildlife Service for its conservation efforts. In addition, Martin County has built broad community support for the acquisition of Pal Mar lands. Community groups that support the acquisition of threatened Pal Mar lands include: Loxahatchee River District, Loxahatchee River Management Coordinating Council, Audubon Society of Martin County, Florida Wildlife Federation, Florida Oceanographic Society, Indian Riverkeeper, The Rivers Coalition, Marine Resources Council, Martin County Native Plant Society, Friends of the Loxahatchee, Treasured Lands Foundation, 1,000 Friends of Florida, and Guardians of Martin County. Additionally, Martin County has met with leaders of a landowners’ cooperative that represents the majority of private landowners in the area, and confirmed their support for the proposed acquisition.

E. Public Access: Pal Mar is adjacent to the Old Jupiter Indiantown Road, once the primary route that settlers used to travel between the towns of Jupiter and Indiantown. Much of this road has been converted into a recreational trail system, and Martin County plans to reopen the entire length of the trail. Following acquisition, Martin County will create a trail extension to the Jupiter Indiantown Grade to open public access into the area. The area will also provide hunting, fishing, wildlife observation, and equestrian opportunities to the general public. Future improvements will include passive park amenities, including picnic pavilions, wildlife observation platforms, bi-lingual educational signage, and kiosks.

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Tract Table:

Tract ID/ Activity	Wetland Acres	Upland Acres	Riparian Miles	Funding Category	Funding Source	County and State	Central Tract Location in Decimal Degrees	Final Title Holder
Tract: Phase 1 (1-300)	250	50	0	Grant + new match	NAWCA, Martin County tax proceeds	Martin County, FL	Pal Mar North 27 deg 59'36" latitude, 80 deg 17'47" longitude Pal Mar West 26 deg 58'22" latitude, 80 deg 20'38" longitude	Martin County
Tract: Harmony	54	127	0	New match	Martin County tax proceeds	Martin County, FL	27 deg 2'25" latitude, 80 deg 16'1" longitude	South Florida Water Management District

FINAL TITLEHOLDER SUMMARY: Martin County = 300; South Florida Water Management District = 181

Partner Contribution Statements

Martin County attaches partner contribution statements from the following stakeholders:

- Martin County
 - Project lead
 - Committing \$600,000 in cash, \$20,000 in in-kind support and the \$2 million purchase of Harmony property
- South Florida Water Management District
 - Will support land acquisition efforts
 - Contribution valued at \$7,500
- The Nature Conservancy
 - Will provide technical assistance in placing Pal Mar lands under conservation easement
 - Contribution valued at \$7,500
- Loxahatchee River District
 - Will support the project by working with area landowners to encourage the sale of critical properties, and coordinating with Martin County on the conservation of the protected land
 - Non-matching partner; the value of the contribution is \$0
- Martin County Conservation Alliance
 - Will support the project by working with area landowners to encourage the sale of critical properties, and coordinating with Martin County on the conservation of the protected land
 - Non-matching partner; the value of the contribution is \$0
- Martin County Chapter of the Florida Native Plant Society
 - Will support the project by working with area landowners to encourage the sale of critical properties, and coordinating with Martin County on the conservation of the protected land
 - Non-matching partner; the value of the contribution is \$0
- Margaret Kettner
 - Will support the project by working with area landowners to encourage the sale of critical properties, and coordinating with Martin County on the conservation of the protected land
 - Non-matching partner; the value of the contribution is \$0

**NORTH AMERICAN WETLANDS CONSERVATION ACT PROPOSAL
PARTNER CONTRIBUTION FORM**

What is the title of the proposal that you are contributing to?

Pal-Mar

What is the name of your organization (private landowners indicate "Private")?

Martin County

When will you make the contribution?

Martin County will provide a \$600,000 cash match at the beginning of the project period. The \$20,000 in-kind match will be provided to manage the project throughout the grant period. The purchase of the Harmony property, and its \$2 million match of land, will be available in summer 2015.

What is the value of your contribution and how did you determine the value? Does the contribution have a non-Federal origin? If this is based on a fund-raising event or other future action, if that future action fails, will you still provide the contribution amount?

The total value of Martin County's match is \$2,620,000. This includes \$600,000 in cash to purchase Pal Mar land, the \$2 million purchase of 181 acres of the Harmony tract, and \$20,000 of in-kind services to manage the project. The contribution is non-federal.

What long-term migratory bird and wetlands conservation work will the contribution cover?

Acquisition of the subject tracts will protect and preserve habitat for waterfowl species that are year-round breeding residents in southeast Florida, primarily dabbling ducks (i.e., wood ducks and mottled ducks), common moorhens, and purple gallinules, and potentially provide nesting habitat for black-bellied whistling ducks and fulvous whistling ducks, species that have been documented to occur on nearby publicly-owned conservation lands.

Pal-Mar acquisition will also protect and preserve habitat for species of migratory waterfowl that are seasonal residents in southeast Florida, including 12 species that have been documented to occur on nearby publicly-owned conservation lands that have the same habitats that are on the subject properties. These include black-bellied whistling duck, fulvous whistling duck, blue-winged teal, green-winged teal, American wigeon, northern pintail, northern shoveler, lesser scaup, bufflehead, hooded merganser, mallard, and ring-necked duck.

Does the proposal correctly describe your contribution, especially the amount?

Yes

If applicable to the proposal, is your organization competent to hold title to, and manage, land acquired with grant funds and are you willing to apply a Notice of Grant Agreement or other recordable document to the property?

Yes

Please confirm that your contribution has not been used to meet any other federal programs match or cost share requirements.

The land purchase and in-kind support is not matching any other federal program's match or cost share requirements.

Do you have any additional comments?

No

Signature:



Name, Title, and Affiliation:

Taryn Kryzda, Martin County Board of
County Commissioners

Date Signed:

3/23/15

**NORTH AMERICAN WETLANDS CONSERVATION ACT PROPOSAL
PARTNER CONTRIBUTION FORM**

What is the title of the proposal that you are contributing to?

Pal-Mar

What is the name of your organization (private landowners indicate "Private")?

South Florida Water Management District (SFWMD)

When will you make the contribution?

SFWMD will provide in-kind support throughout the project period.

What is the value of your contribution and how did you determine the value? Does the contribution have a non-Federal origin? If this is based on a fund-raising event or other future action, if that future action fails, will you still provide the contribution amount?

SFWMD's in-kind contribution to support Martin County in the acquisition of lands in Pal-Mar is valued at \$7,500 over the project period. This estimate is based upon similar collaboration SFWMD and Martin County have engaged in with previous land acquisition efforts. The contribution is non-federal.

What long-term migratory bird and wetlands conservation work will the contribution cover?

Acquisition of the subject tracts will protect and preserve habitat for waterfowl species that are year-round breeding residents in southeast Florida, primarily dabbling ducks (i.e., wood ducks and mottled ducks), common moorhens, and purple gallinules, and potentially provide nesting habitat for black-bellied whistling ducks and fulvous whistling ducks, species that have been documented to occur on nearby publicly-owned conservation lands.

Pal-Mar acquisition will also protect and preserve habitat for species of migratory waterfowl that are seasonal residents in southeast Florida, including 12 species that have been documented to occur on nearby publicly-owned conservation lands that have the same habitats that are on the subject properties. These include black-bellied whistling duck, fulvous whistling duck, blue-winged teal, green-winged teal, American wigeon, northern pintail, northern shoveler, lesser scaup, bufflehead, hooded merganser, mallard, and ring-necked duck.

Does the proposal correctly describe your contribution, especially the amount?

Yes

If applicable to the proposal, is your organization competent to hold title to, and manage, land acquired with grant funds and are you willing to apply a Notice of Grant Agreement or other recordable document to the property?

N/A

Please confirm that your contribution has not been used to meet any other federal programs match or cost share requirements.

The in-kind support is not matching any other federal program's match or cost share requirements.

Do you have any additional comments?

No

Signature:



Name, Title, and Affiliation:

Daniel DeLisi, Chief of Staff,
South Florida Water Management District

Date Signed:

2/27/15

**NORTH AMERICAN WETLANDS CONSERVATION ACT PROPOSAL
PARTNER CONTRIBUTION FORM**

What is the title of the proposal that you are contributing to?

Pal-Mar

What is the name of your organization (private landowners indicate "Private")?

The Nature Conservancy (TNC)

When will you make the contribution?

TNC will provide in-kind support throughout the project period.

What is the value of your contribution and how did you determine the value? Does the contribution have a non-Federal origin? If this is based on a fund-raising event or other future action, if that future action fails, will you still provide the contribution amount?

TNC's in-kind contribution to provide Martin County technical assistance in placing acquired Pal-Mar lands under conservation easement is valued at \$7,500 over the project period. This estimate is based upon similar collaborations previous conservation easement efforts with similar organizations. The contribution is non-federal.

What long-term migratory bird and wetlands conservation work will the contribution cover?

Acquisition of the subject tracts will protect and preserve habitat for waterfowl species that are year-round breeding residents in southeast Florida, primarily dabbling ducks (i.e., wood ducks and mottled ducks), common moorhens, and purple gallinules, and potentially provide nesting habitat for black-bellied whistling ducks and fulvous whistling ducks, species that have been documented to occur on nearby publicly-owned conservation lands.

Pal-Mar acquisition will also protect and preserve habitat for species of migratory waterfowl that are seasonal residents in southeast Florida, including 12 species that have been documented to occur on nearby publicly-owned conservation lands that have the same habitats that are on the subject properties. These include black-bellied whistling duck, fulvous whistling duck, blue-winged teal, green-winged teal, American wigeon, northern pintail, northern shoveler, lesser scaup, bufflehead, hooded merganser, mallard, and ring-necked duck.

Does the proposal correctly describe your contribution, especially the amount?

Yes

If applicable to the proposal, is your organization competent to hold title to, and manage, land acquired with grant funds and are you willing to apply a Notice of Grant Agreement or other recordable document to the property?

N/A

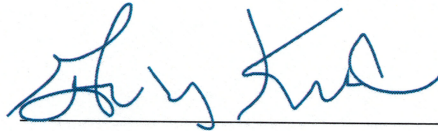
Please confirm that your contribution has not been used to meet any other federal programs match or cost share requirements.

The in-kind support is not matching any other federal program's match or cost share requirements.

Do you have any additional comments?

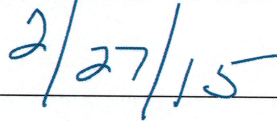
No

Signature:

A handwritten signature in blue ink, appearing to read "Greg Knecht", written over a horizontal line.

Name, Title, and Affiliation: Greg Knecht, Director of Protection – The Nature Conservancy

Date Signed:

A handwritten date "2/27/15" in blue ink, written over a horizontal line.

**NORTH AMERICAN WETLANDS CONSERVATION ACT PROPOSAL
PARTNER CONTRIBUTION FORM**

What is the title of the proposal that you are contributing to? Pal-Mar

What is the name of your organization (private landowners indicate "Private")?

Loxahatchee River Environmental Control District

When will you make the contribution?

Loxahatchee River Environmental Control District will support Martin County's conservation efforts at Pal-Mar throughout the project period.

What is the value of your contribution and how did you determine the value? Does the contribution have a non-Federal origin? If this is based on a fund-raising event or other future action, if that future action fails, will you still provide the contribution amount?

Loxahatchee River Environmental Control District is a non-matching partner. The value of the contribution is \$0.

What long-term migratory bird and wetlands conservation work will the contribution cover?

Acquisition of the subject tracts will protect and preserve habitat for waterfowl species that are year-round breeding residents in southeast Florida, primarily dabbling ducks (i.e., wood ducks and mottled ducks), common moorhens, and purple gallinules, and potentially provide nesting habitat for black-bellied whistling ducks and fulvous whistling ducks, species that have been documented to occur on nearby publicly-owned conservation lands.

Pal-Mar acquisition will also protect and preserve habitat for species of migratory waterfowl that are seasonal residents in southeast Florida, including 12 species that have been documented to occur on nearby publicly-owned conservation lands that have the same habitats that are on the subject properties. These include black-bellied whistling duck, fulvous whistling duck, blue-winged teal, green-winged teal, American wigeon, northern pintail, northern shoveler, lesser scaup, bufflehead, hooded merganser, mallard, and ring-necked duck.

Does the proposal correctly describe your contribution, especially the amount?

Yes

If applicable to the proposal, is your organization competent to hold title to, and manage, land acquired with grant funds and are you willing to apply a Notice of Grant Agreement or other recordable document to the property? N/A

Please confirm that your contribution has not been used to meet any other federal programs match or cost share requirements. N/A

Do you have any additional comments?

No

Signature:



Name, Title, and Affiliation:

D. Albrey Arrington, Ph.D., Executive Director, Loxahatchee River Environmental Control District

Date Signed:

February 24, 2015

**NORTH AMERICAN WETLANDS CONSERVATION ACT PROPOSAL
PARTNER CONTRIBUTION FORM**

What is the title of the proposal that you are contributing to? Pal-Mar

What is the name of your organization (private landowners indicate "Private")?
Martin County Conservation Alliance

When will you make the contribution?
Martin County Conservation Alliance will support Martin County's conservation efforts at Pal-Mar throughout the project period.

What is the value of your contribution and how did you determine the value? Does the contribution have a non-Federal origin? If this is based on a fund-raising event or other future action, if that future action fails, will you still provide the contribution amount?
Martin County Conservation Alliance is a non-matching partner. The value of the contribution is \$0.

What long-term migratory bird and wetlands conservation work will the contribution cover?
Acquisition of the subject tracts will protect and preserve habitat for waterfowl species that are year-round breeding residents in southeast Florida, primarily dabbling ducks (i.e., wood ducks and mottled ducks), common moorhens, and purple gallinules, and potentially provide nesting habitat for black-bellied whistling ducks and fulvous whistling ducks, species that have been documented to occur on nearby publicly-owned conservation lands.

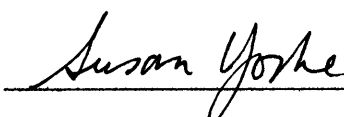
Pal-Mar acquisition will also protect and preserve habitat for species of migratory waterfowl that are seasonal residents in southeast Florida, including 12 species that have been documented to occur on nearby publicly-owned conservation lands that have the same habitats that are on the subject properties. These include black-bellied whistling duck, fulvous whistling duck, blue-winged teal, green-winged teal, American wigeon, northern pintail, northern shoveler, lesser scaup, bufflehead, hooded merganser, mallard, and ring-necked duck.

Does the proposal correctly describe your contribution, especially the amount?
Yes

If applicable to the proposal, is your organization competent to hold title to, and manage, land acquired with grant funds and are you willing to apply a Notice of Grant Agreement or other recordable document to the property? N/A

Please confirm that your contribution has not been used to meet any other federal programs match or cost share requirements. The value of the contribution is \$0.

Do you have any additional comments?
No

Signature: 
Name, Title, and Affiliation: Donna Melzer, Chair Martin County Conservation Alliance
OR: Sue Yorke, Project Director, Martin County Conservation Alliance
Date Signed: February 25, 2015

**NORTH AMERICAN WETLANDS CONSERVATION ACT PROPOSAL
PARTNER CONTRIBUTION FORM**

What is the title of the proposal that you are contributing to? Pal-Mar

What is the name of your organization (private landowners indicate "Private")?

Martin County Chapter of the Florida Native Plant Society (MC-FNPS)

When will you make the contribution?

We support Martin County's conservation efforts at Pal-Mar throughout the project period.

What is the value of your contribution and how did you determine the value? Does the contribution have a non-Federal origin? If this is based on a fund-raising event or other future action, if that future action fails, will you still provide the contribution amount?

(MC-FNPS) is a non-matching partner. The value of the contribution is \$0.

What long-term migratory bird and wetlands conservation work will the contribution cover?

Acquisition of the subject tracts will protect and preserve habitat for waterfowl species that are year-round breeding residents in southeast Florida, primarily dabbling ducks (i.e., wood ducks and mottled ducks), common moorhens, and purple gallinules, and potentially provide nesting habitat for black-bellied whistling ducks and fulvous whistling ducks, species that have been documented to occur on nearby publicly-owned conservation lands.

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Does the proposal correctly describe your contribution, especially the amount?

Yes

If applicable to the proposal, is your organization competent to hold title to, and manage, land acquired with grant funds and are you willing to apply a Notice of Grant Agreement or other recordable document to the property? N/A

Please confirm that your contribution has not been used to meet any other federal programs match or cost share requirements. N/A

Do you have any additional comments?

No

Signature:



Name, Title, and Affiliation:

Lorene Bachman, President
Martin County Chapter of the Florida Native Plant Society

Date Signed:

March 24, 2015

**NORTH AMERICAN WETLANDS CONSERVATION ACT PROPOSAL
PARTNER CONTRIBUTION FORM**

What is the title of the proposal that you are contributing to? Pal-Mar

What is the name of your organization (private landowners indicate "Private")?

Private

When will you make the contribution?

I will support Martin County's conservation efforts at Pal-Mar throughout the project period.

What is the value of your contribution and how did you determine the value? Does the contribution have a non-Federal origin? If this is based on a fund-raising event or other future action, if that future action fails, will you still provide the contribution amount?

I am a non-matching partner. The value of the contribution is \$0.

What long-term migratory bird and wetlands conservation work will the contribution cover?

Acquisition of the subject tracts will protect and preserve habitat for waterfowl species that are year-round breeding residents in southeast Florida, primarily dabbling ducks (i.e., wood ducks and mottled ducks), common moorhens, and purple gallinules, and potentially provide nesting habitat for black-bellied whistling ducks and fulvous whistling ducks, species that have been documented to occur on nearby publicly-owned conservation lands.

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Does the proposal correctly describe your contribution, especially the amount?

Yes

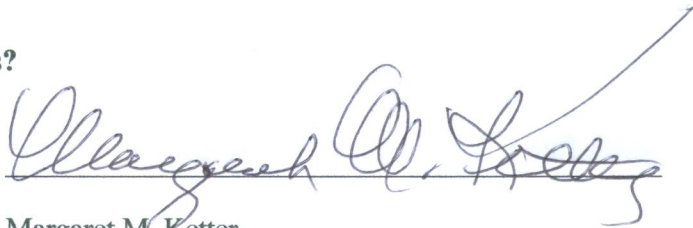
If applicable to the proposal, is your organization competent to hold title to, and manage, land acquired with grant funds and are you willing to apply a Notice of Grant Agreement or other recordable document to the property? N/A

Please confirm that your contribution has not been used to meet any other federal programs match or cost share requirements. N/A

Do you have any additional comments?

No

Signature:



Name, Title, and Affiliation:

Margaret M. Ketter

Date Signed:

February 24, 2015



Martin County

Project Name: g:\projects\prdm\myst\it\es\palmargrade.mxd
Plot Location: g:\projects\prdm\myst\it\es\palmargrade.pdf
Created By: Michael Yustin (PRD Dept)
Plot Date: July, 2005



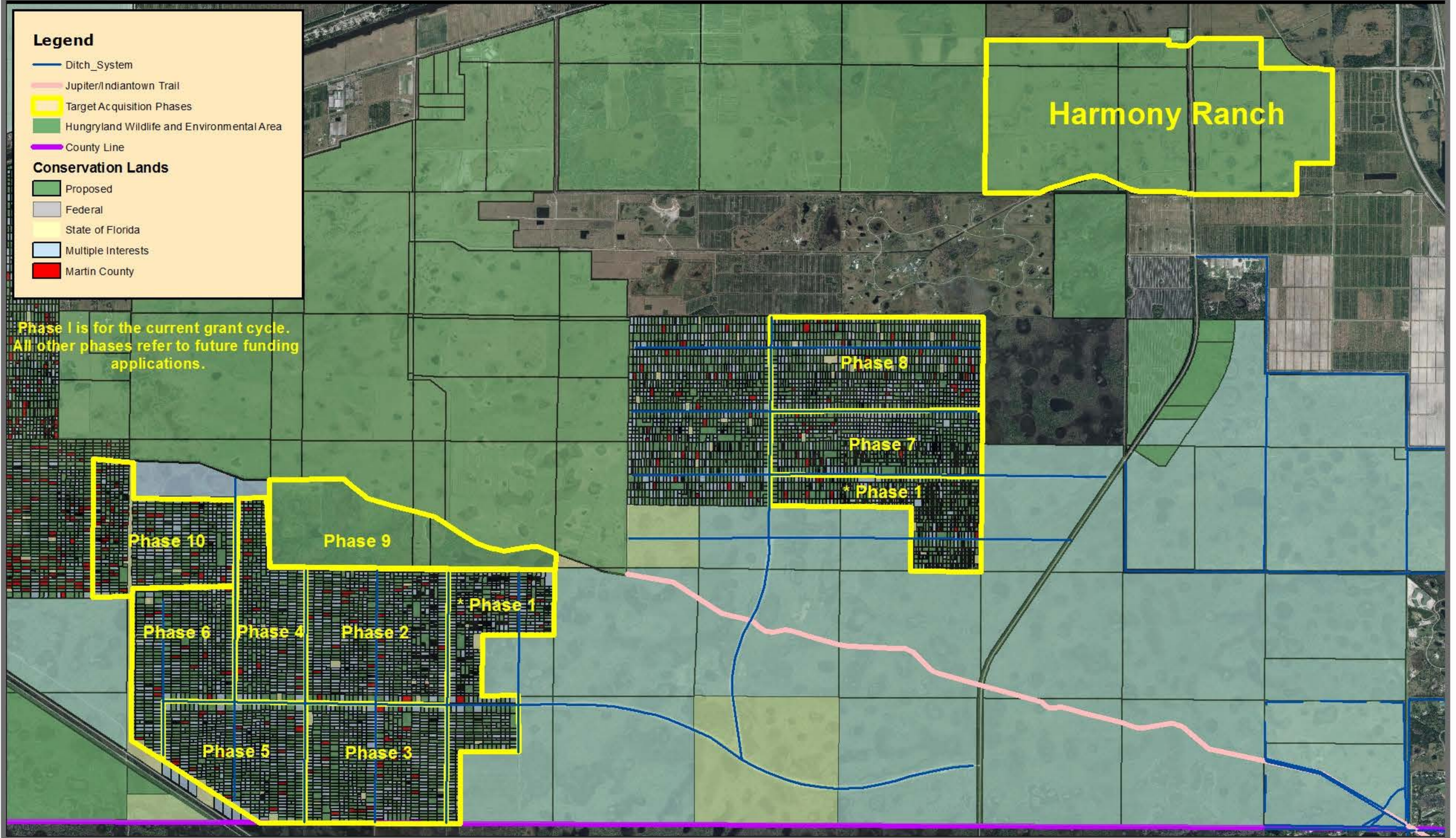
Pal Mar Acquisition Phases



Legend

- Ditch_System
 - Jupiter/Indiantown Trail
 - Target Acquisition Phases
 - Hungryland Wildlife and Environmental Area
 - County Line
- ### Conservation Lands
- Proposed
 - Federal
 - State of Florida
 - Multiple Interests
 - Martin County

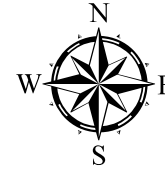
Phase 1 is for the current grant cycle.
All other phases refer to future funding applications.



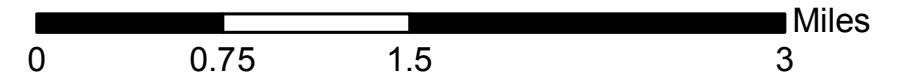


Martin County

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Created By: Michael Yustin (PRD Dept)
Plot Date: July, 2005

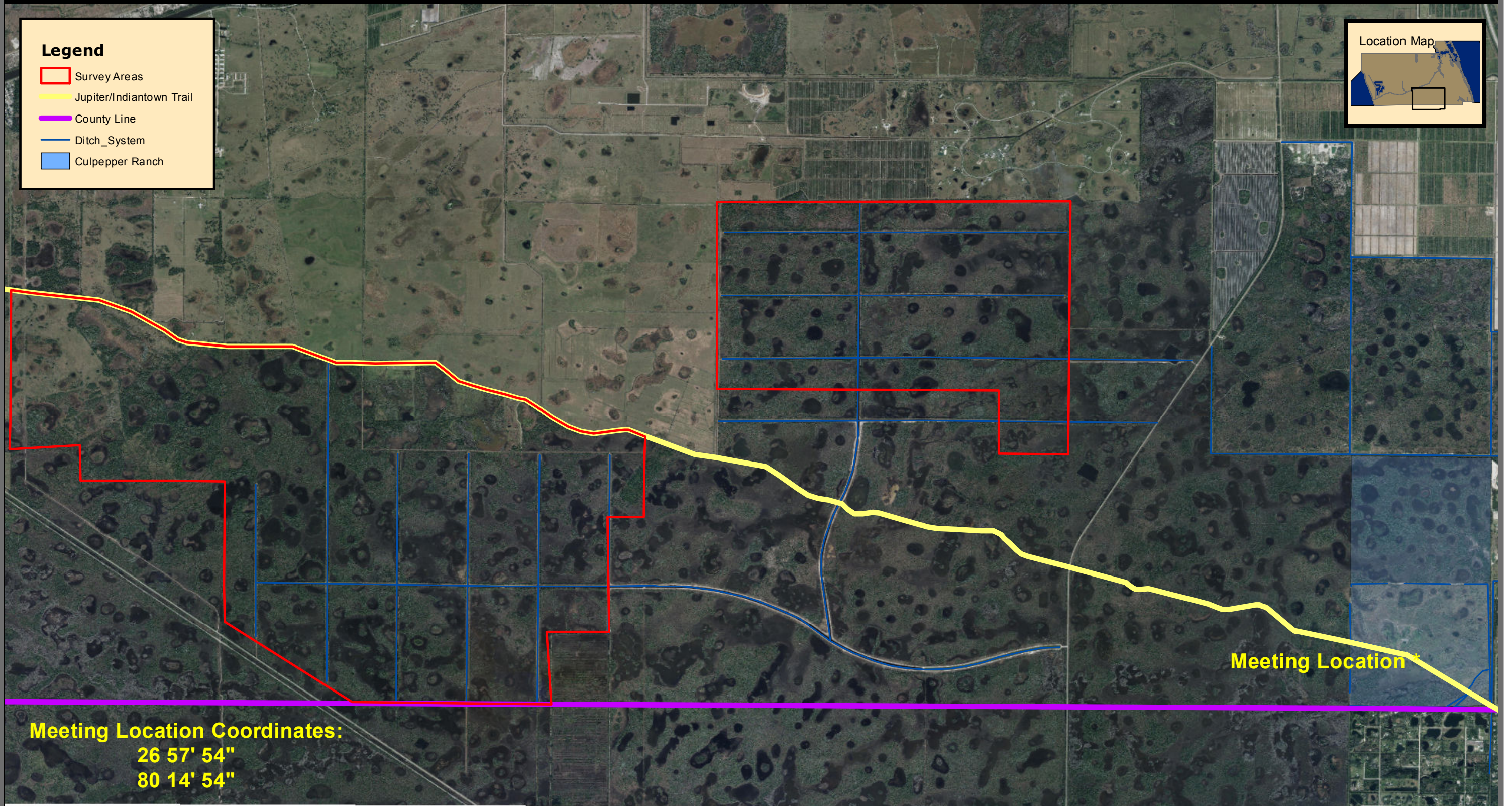
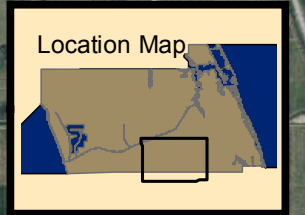


Pal Mar Aerial Survey



Legend

- Survey Areas
- Jupiter/Indiantown Trail
- County Line
- Ditch_System
- Culpepper Ranch



Meeting Location Coordinates:
26 57' 54"
80 14' 54"

Meeting Location *

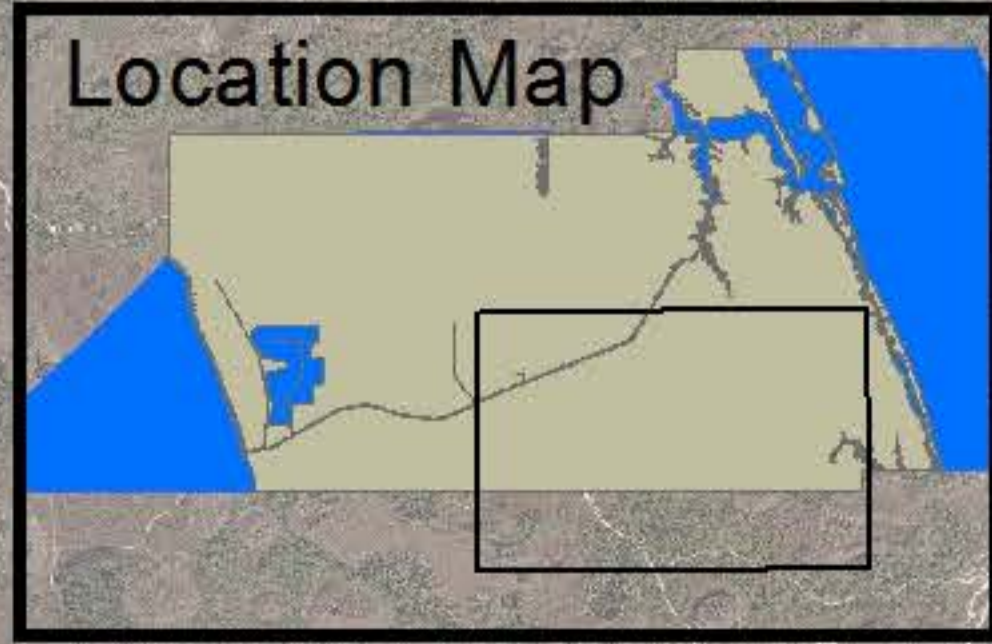
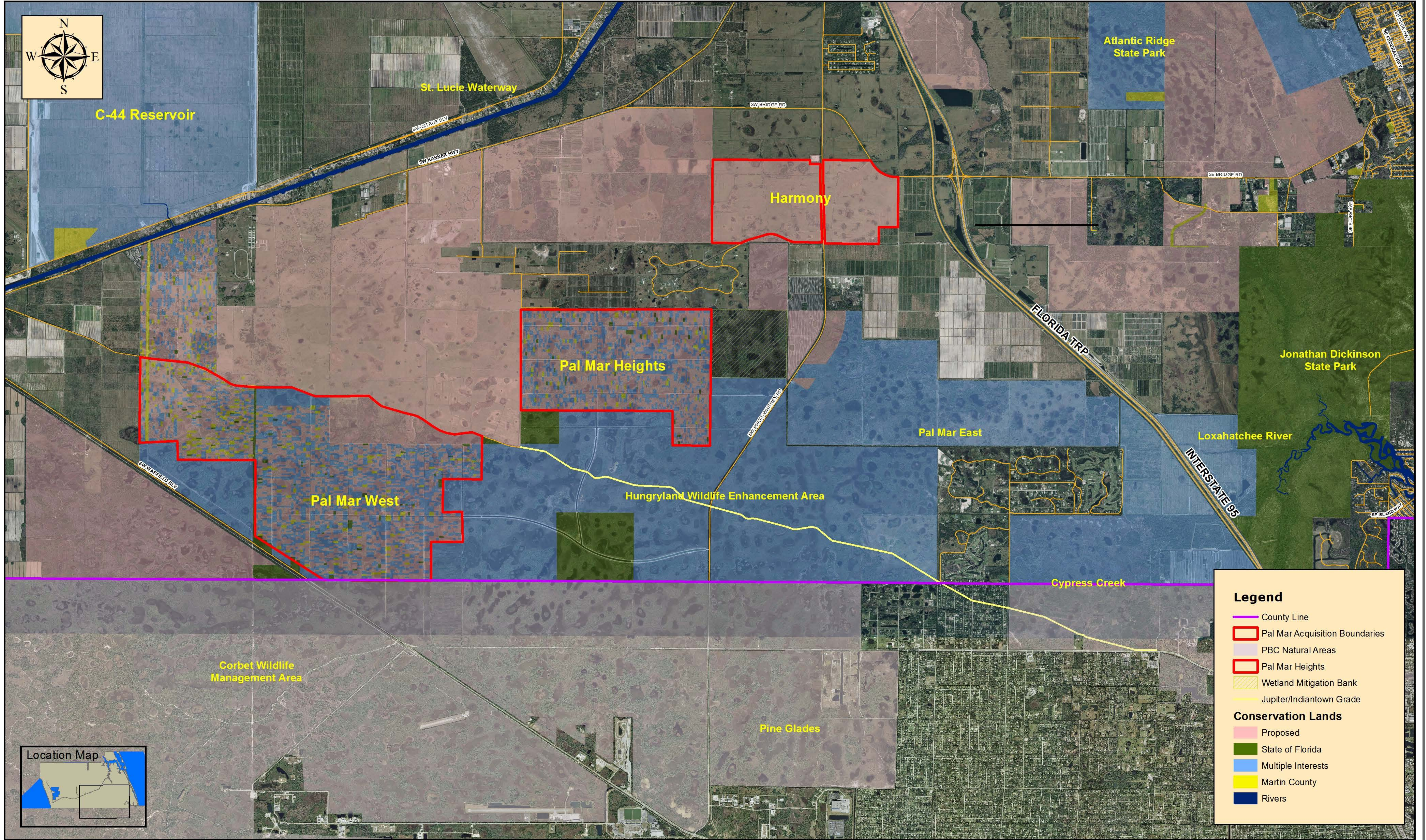
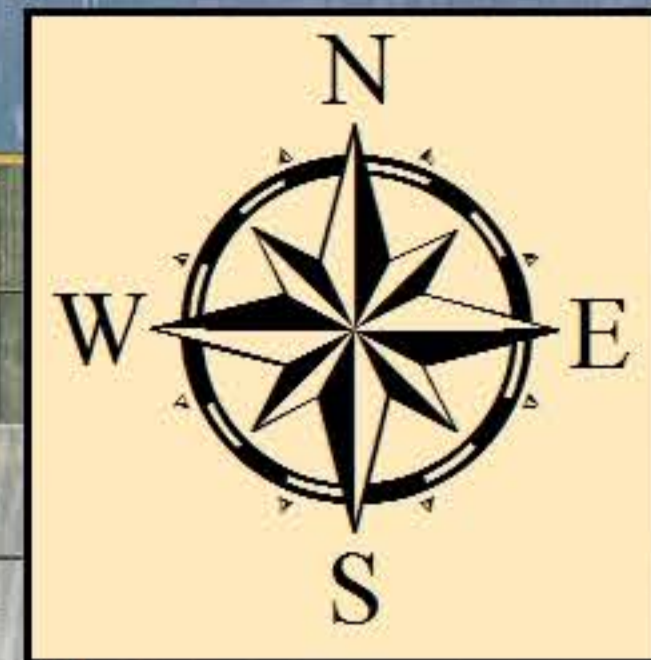


Martin County

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Plot Location: g:\projects\prdm\yustin\sites\palmargrade.pdf
Created By: Michael Yustin (PRD Dept)
Plot Date: July, 2005

Pal Mar Conservation Area

0 0.75 1.5 3 Miles



Legend

- County Line
- Pal Mar Acquisition Boundaries
- PBC Natural Areas
- Pal Mar Heights
- Wetland Mitigation Bank
- Jupiter/Indiantown Grade

Conservation Lands

- Proposed
- State of Florida
- Multiple Interests
- Martin County
- Rivers