

September 21, 2009

Ms. Lisa Prather  
Florida Department of Environmental Protection  
3319 Maguire Boulevard, Suite 232  
Orlando, FL 32803-3767

RE: Environmental Resource Permit Application  
Lake Beauclair Aquatic Enhancement Project  
BCI Project No. 12-11816.16

Dear Ms. Prather:

BCI Engineers and Scientists, Inc. is providing the following information in support of the attached Individual ERP Application for the Lake Beauclair Aquatic Enhancement Project:

1. ERP Application Sections A, C, E and G;
2. Permitting Narrative and associated exhibits;
3. Engineering Plans for Lake Beauclair Aquatic Enhancement 60% Submittal;
4. Final Conceptual Design Report for Lake Beauclair Aquatic Enhancement;
5. Check in the amount of \$14,020 for the associated permit application fee.

Should you have any questions or need additional information, please contact me at (863) 667-2345.

Sincerely,

Karen N. Warner  
Hydro-Ecologist

**LAKE COUNTY WATER AUTHORITY  
LAKE BEAUCLAIR AQUATIC ENHANCEMENT**

**JOINT APPLICATION FOR**

**ENVIRONMENTAL RESOURCE PERMIT  
AUTHORIZATION TO USE SOVEREIGN SUBMERGED LANDS  
FEDERAL DREDGE AND FILL PERMIT**

*Prepared for:*

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION**

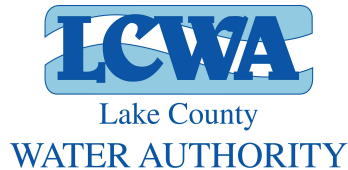
Orlando, Florida



On behalf of

**LAKE COUNTY WATER AUTHORITY**

Tavares, Florida



*Prepared by:*



***BCI Engineers & Scientists, Inc.***  
2000 E. Edgewood Drive, Suite 215  
Lakeland, Florida 33803

BCI Project No. 12-11816.16

September 2009

**CERTIFICATION**  
**Lakeland**

**Engineering Certification**

I hereby certify that I am a registered professional engineer in the State of Florida practicing with BCI Engineers & Scientists, Inc., 2000 E. Edgewood Drive, Suite 215, Lakeland, FL 33803, a corporation authorized to operate as a business providing engineering consulting services (EB 0007867) by the State of Florida Department of Professional Regulation, Board of Engineers. I further certify that I, or others under my direct supervision, have prepared the environmental engineering evaluations, findings, opinions, calculations, conclusions or technical advice hereby represented in this report.

SIGNATURE: \_\_\_\_\_

NAME: John Kiefer, P.E.

LICENSE No: 51991

DATE: \_\_\_\_\_

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## **EXECUTIVE SUMMARY**

### **Introduction**

Lake Beauclair is an approximately 1,118 acre water body located in Lake County, Florida. Lake Beauclair is located in Sections 1, 2, 11 and 12 of Township 20 South, Range 26 East, and Sections 6 and 7 of Township 20 South, Range 27 East, and generally lies south and west of US 441, east of SR 19, and north of County Road 448. Part of the Harris Chain of Lakes, Lake Beauclair is situated as the first lake downstream of Lake Apopka, connected via the Apopka-Beauclair Canal. The Lake discharges to Lake Dora via a connection at the northeast corner of Lake Beauclair. The Chain of Lakes ultimately discharges to the Ocklawaha River.

As a result of the geographic position of Lake Beauclair at the downstream end of the Apopka-Beauclair Canal, and historically intense agricultural activity around Lake Apopka, Lake Beauclair has received significant amounts of nutrients and sediments for many years. This has led to degradation of the aquatic plant community and the balance of fish and wildlife species that use the Lake due to high levels of phosphorous and low levels of dissolved oxygen.

The Lake County Water Authority (LCWA), in cooperation with St. John's River Water Management District (SJRWMD) and the Florida Fish and Wildlife Conservation Commission (FWC), have developed a plan to improve water quality and habitat in Lake Beauclair and four residential canals along the Apopka-Beauclair Canal. Fine-grained, organic-bearing sediments will be removed from an estimated 260 acres in the western portion of the Lake, and from an additional  $\pm 21$  acres of combined residential canal segments; all by hydraulic dredge. Existing sediments compromise the quality of aquatic habitat in Lake Beauclair and impede navigation during low water conditions.

### **Project Description**

The primary area for proposed Lake dredging is located in the southwest corner of Lake Beauclair, near the Apopka-Beauclair Canal discharge point. The dredge footprint contains  $\pm 2.6$  million cubic yards of organic sediments. To meet the objectives of the project, approximately 1.4 million cubic yards of material are proposed for removal. Anticipated dilution of the sediments during dredging and transport, along with subsequent settling and consolidation during discharge at the deposition site, led to a disposal storage volume requirement of  $\pm 1.89$  million cubic yards.

Selection of the deposition site for the dredged sediments was based on a number of factors, including land use, soil characteristics, proximity of listed species, wetlands, and other logistical factors. The area identified as most appropriate for sediment deposition is a portion of the former muck farm on the west side of the Apopka Beauclair Canal, currently owned and operated by the St. Johns River Water Management District as part of the Lake Apopka North Shore Restoration Area, West Marsh. Cells within the West Marsh proposed to receive sediments from dredging activities have been targeted by SJRWMD for future potential wetland restoration. Specifically, Cells F and G within the West Marsh are proposed as the deposition site. These cells have high soil pesticide concentrations and currently are hydrologically charged to keep wading birds from feeding within the contaminated substrate. The cells average

approximately  $\pm 2.8$  feet in height from the cell bottoms to the top-of-berm. The dilute sediment is expected to occupy  $\pm 1.7$  of the available  $\pm 2.8$  feet, and after a period of quiescent settling, an estimated  $\pm 1$  foot of sediment will remain in the disposal area. If future draining of the cells is implemented and sediments are allowed to dewater and desiccate, final thickness will approach 4 inches.

### **Water Quantity**

The existing water stored within the deposition or restoration cells will be discharged at a rate equivalent to the incoming flows from the dredging operation, such that minimal change in the water level within the cells is anticipated. A higher discharge pumping rate is anticipated to match additional inflows from storm events and maintain positive head to discourage flow southward into other actively managed portions of the West Marsh. No significant changes to runoff volumes or discharge rates are anticipated as a result of this project.

### **Water Quality**

Sediment sampling and testing was undertaken to determine the physical and chemical characteristics of the sediment, with the primary purpose of assessing potential water quality of the discharge from restoration cells to Waters of the State. The proposed treatment process involves adding a coagulant and a flocculent to the dredge discharge pipe prior to discharge into West Marsh restoration Cells F and G. After a settling period, return water will be pumped from the restoration cells to a separate cell for treatment with Alum prior to discharge to the Lake County Water Authority's Nutrient Reduction Facility (NuRF). Discharges from the NuRF are directed to the Apopka Beauclair Canal, and will ultimately discharge back into Lake Beauclair.

### **Environmental Considerations**

Impacts to jurisdictional wetlands and listed species resources are not anticipated from proposed dredging within Lake Beauclair and the residential canals addressed in this project. A Biological Assessment for the receiving restoration cells has been prepared by the St. John's River Water Management District. This assessment is being provided under separate cover.

### **Sovereign Submerged Lands**

Lake Beauclair and canal SC2 have been designated as Sovereign by the State of Florida, Division of State Lands. The applicant is requesting Authorization to Use Sovereign Submerged Lands as part of this permit application.

The project is expected to significantly benefit fisheries and navigation, and contribute to improved water quality in one of Florida's largest lakes. Water quality improvements are expected in Lake Beauclair, in the proposed restoration cells, and should carry positive influence downstream. The project is expected to build a foundation for increasing wetland acreage offsetting some of the historic ecosystem losses in the region. It fits well with other watershed objectives concerning Lake Apopka wetland restoration and Harris Chain-of-Lakes Total Maximum Daily Load (TMDL) issues. Discussions among staff from the Florida Fish and Wildlife Conservation Commission, Lake County Water Authority, and St. John's River Water Management District have led to consensus that this project represents mutual gains for stakeholders looking to improve the ecology and economy of the region.

**JOINT APPLICATION FOR ENVIRONMENTAL RESOURCE PERMIT**

**AUTHORIZATION TO USE  
SOVEREIGN SUBMERGED LANDS**

**FEDERAL DREDGE AND FILL PERMIT**

**FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WATER MANAGEMENT DISTRICTS  
U.S. ARMY CORPS OF ENGINEERS**

**INTRODUCTION FOR JOINT APPLICATION FOR  
ENVIRONMENTAL RESOURCE PERMIT/AUTHORIZATION TO USE  
STATE OWNED SUBMERGED LANDS/FEDERAL DREDGE AND  
FILL PERMIT**

**INTRODUCTION**

Attached is a joint application for:

- 1) activities regulated under Part IV of Chapter 373, F.S.;
- 2) activities which require authorization to use state owned submerged lands; and
- 3) activities which require federal dredge and fill permit.

Certain activities may qualify for an exemption. If an activity qualifies for an exemption, an application is not required, although the use of this application form is the most expeditious way for the agencies to make the determination that the activity qualifies for an exemption. Attachment 2 list various regulated activities and the type of permit required for each activity. If you have any questions, please contact the staff of the nearest office of either the Florida Department of Environmental Protection (DEP) or a Water Management District (WMD).

**PROCESSING AGENCY/DISTRICT SERVICE CENTERS**

The Department of Environmental Protection ("Department" or "DEP") regulates some types of activities, and the Water Management Districts ("WMDs") regulate others. Attachment 1, DEP/WMD Permitting Responsibilities, specifies which activities are regulated by each agency. Environmental Resource Permit Applications shall be made to the appropriate District/Department office serving the area in which the activity is proposed. Attachment 4 designates the appropriate agency office for each geographic area.

**COPIES/APPLICATION FEES**

Submit an original signed application form plus four copies of the form, and five complete sets of all the requested drawings and other information to the appropriate DEP or WMD office. Submit the appropriate fee with your application. Application fees are listed in Attachment 3.

**DISTRIBUTION TO U.S. ARMY CORPS OF ENGINEERS**

When activities are proposed in, on or over wetlands or other surface waters, a portion of the application (Section A and Section C, with the associated drawings) will be forwarded to the Army Corps of Engineers (ACOE) by the reviewing agency. The ACOE will advise you of any additional information that may be required to complete your federal dredge and fill permit application. It is not necessary for the applicant to submit a separate application to the ACOE. The information requested in this application form may be more than required to make a complete application to the ACOE. However, it is useful and may be essential for subsequent evaluation. Reducing unnecessary paperwork and delays is a continuing goal of the ACOE.

**DISTRIBUTION TO THE DEP FOR STATE LAND APPROVAL**

If the application checks the box to request authorization to use sovereign submerged lands, the Department will begin processing the request for sovereign submerged lands approval. Additionally, if at any time during the processing of the application, it appears that the proposed activities may take place on sovereign submerged lands, the Department will initiate a review for the authorization to use such lands. For an explanation of sovereign submerged lands approval see Attachment 5.

**NOTE:** The information listed in Sections B, D, E, and F of this application package is not intended to be all-inclusive. Additional information may be requested by the reviewing agency in order to complete your application.

## SECTION A

### FOR AGENCY USE ONLY

ACOE Application #	DEP/WMD Application #
Date Application Received	Date Application Received
Proposed Project Lat.	Fee Received \$
Proposed Project Long.	Fee Receipt #

**PART 1:**

Are any of the activities described in this application proposed to occur in, on, or over wetlands or other surface waters?

yes  no

Is this application being filed by or on behalf of a government entity or drainage district?  yes  no

A. Type of Environmental Resource Permit Requested (check at least one). See Attachment 2 for thresholds and descriptions.

- Noticed General - include information requested in Section B.
- Standard General (Single Family Dwelling) - include information requested in Sections C and D.
- Standard General (all other Standard General projects) - include information requested in Sections C and E.
- Individual (Single Family Dwelling) - include information requested in Sections C and D.
- Individual (all other Individual projects) - include information requested in Sections C and E.
- Conceptual - include information requested in Sections C and E.
- Mitigation Bank Permit (construction) - include information requested in Sections C and F. (If the proposed mitigation bank involves the construction of a surface water management system requiring another permit defined above, check the appropriate box and submit the information requested by the applicable section.)
- Mitigation Bank (conceptual) - include information requested in Sections C and F.

B. Type of activity for which you are applying (check at least one)

- Construction or operation of a new system, other than a solid waste facility, including dredging or filling in, on or over wetlands and other surface waters.
- Construction, expansion or modification of a solid waste facility.
- Alteration or operation of an existing system which was not previously permitted by a WMD or DEP.
- Modification of a system previously permitted by a WMD or DEP.

Provide previous permit numbers: \_\_\_\_\_

- |  |  |
|--|--|
| <input type="checkbox"/> Alteration of a system  | <input type="checkbox"/> Extension of permit duration                  |
| <input type="checkbox"/> Abandonment of a system | <input type="checkbox"/> Construction of additional phases of a system |
| <input type="checkbox"/> Removal of a system     |  |

C. Are you requesting authorization to use Sovereign Submerged Lands?

yes  no

(See Section G and Attachment 5 for more information before answering this question.)

D. For activities in, on, or over wetlands or other surface waters, check type of federal dredge and fill permit requested:

- |  |   |                                  |
|--|---|----------------------------------|
| <input checked="" type="checkbox"/> Individual | <input type="checkbox"/> Programmatic General | <input type="checkbox"/> General |
| <input type="checkbox"/> Nationwide            | <input type="checkbox"/> Not Applicable       |                                  |

E. Are you claiming to qualify for an exemption?  yes  no

If yes, provide rule number if known. \_\_\_\_\_

<b>PART 3: A. OWNER(S) OF LAND</b>	<b>A. ENTITY TO RECEIVE PERMIT (IF OTHER THAN OWNER)</b>
Name Gian Basili	Name Michael Perry
Title and Company Assistant Department Director, Dept. of Operations and Land Resources, St. Johns River Water Management District	Title and Company Executive Director, Lake County Water Authority
Address 4049 Reid Street	Address 107 North Lake Avenue
City, State, Zip Palatka, Florida 32178	City, State, Zip Tavares, Florida 32778-3119
Telephone and Fax (386) 329-4500	Telephone and Fax (352) 343-3777
<b>C. AGENT AUTHORIZED TO SECURE PERMIT</b>	<b>D. CONSULTANT (IF DIFFERENT FROM AGENT)</b>
Name	Name John Kiefer, PE
Title and Company	Title and Company BCI Engineers & Scientists, Inc.
Address	Address 2000 E. Edgewood Drive suite 215
City, State, Zip	City, State, Zip Lakeland, FL 33803
Telephone and Fax	Telephone and Fax (863) 667-2345

Please note: The portion of the project where sediment will be deposited is owned and controlled by SJRWMD. Project areas proposed for dredging are controlled by LCWA, authorized through 2005-213 Laws of Florida enabling legislation. The NuRF property that will be utilized for a portion of the decant water treatment is owned and operation by LCWA in cooperation with SJRWMD.

PART 4: (Please provide metric equivalent for federally funded projects):

- A. Name of Project, including phase if applicable: Lake Beauclair Aquatic Enhancement Project
- B. Is this application for part of a multi-phase project?  
yes no
- C. Total applicant-owned area contiguous to the project? ±1,744.6 ac.; \_\_\_\_\_ ha. This acreage includes the project area only.
- D. Total area served by the system: ±1,744.6 ac.; \_\_\_\_\_ ha.
- E. Impervious area for which a permit is sought: ±0.02 ac.; \_\_\_\_\_ ha. This acreage consists of anticipated pump pad footprints associated with the dredge pipeline.
- F. Volume of water that the system is capable of impounding:  
±2,760 ac. ft.; \_\_\_\_\_ m (this information is based on area and depth of Cells F and G)
- G. What is the total area of work in, on, or over wetlands or other surface waters?  
±1,260.28 ac.; \_\_\_\_\_ ha. \_\_\_\_\_ sq. ft.; \_\_\_\_\_ sq. m.

H. Total volume of material to be dredged: 1.4 million cyd; \_\_\_\_\_ m

I. Number of new boat slips proposed: 0 wet slips; 0 dry slips

**PART 5:**

Project location (use additional sheets if needed):

County(ies) Lake

Section(s) Township 20 S Range 26 E  
1,2,11,12,14,15,23,26,33,34,35

Section(s) Township Range

Section(s) Township Range

Land Grant name, if applicable:

Tax Parcel Identification Number: See attached parcel identification list.

Street Address Road or other location: Please refer to Figure 2 for a location map of the project area.

City, Zip Code, if applicable: \_\_\_\_\_

**PART 6:** Describe in general terms the proposed project, system, or activity.

The Lake Beauclair Aquatic Enhancement Project involves dredging and disposal of approximately 1.4 million cubic yards of sediment from an area of approximately 260 acres within Lake Beauclair and ±21 acres of residential canals southwest of the Lake. Proposed sediment removal will help improve water quality and aquatic habitat, along with improving navigation.

**PART 7:**

A. If there have been any pre-application meetings, including on-site meetings, with regulatory staff, please list the date(s), location(s), and names of key staff and project representatives.

May 7, 2009 Pre-application meeting was attended by Lisa Prather and Nicole Martin with FDEP, Mike Perry and Lance Lumbard with Lake County Water Authority, and John Kiefer and Leon Seale with BCI Engineers & Scientists, Inc.

B. Please identify by number any MSSW/Wetland Resource/ERP/ACOE Permits pending, issued or denied for projects at the location, and any related enforcement actions.

Agency	Date	No.\Type of Application	Action Taken
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

C. Note: The following information is required for projects proposed to occur in, on or over wetlands that need a federal dredge and fill permit or an authorization to use state owned submerged lands. Please provide the names, addresses and zip codes of property owners whose property directly adjoins the project (excluding application) and/or (for proprietary authorizations) is located within a 500 ft. radius of the applicant's land. Please attach a plan view showing the owner's names and adjoining property lines. Attach additional sheets if necessary.

1. See attached adjacent property owner list.
- 2.

PART 8:

A. By signing this application form, I am applying, or I am applying on behalf of the applicant, for the permit and any proprietary authorizations identified above, according to the supporting data and other incidental information filed with this application. I am familiar with the information contained in this application and represent that such information is true, complete and accurate. I understand this is an application and not a permit, and that work prior to approval is a violation. I understand that this application and any permit issued or proprietary authorization issued pursuant thereto, does not relive me of any obligation for obtaining any other required federal, state, water management district or local permit prior to commencement of construction. I agree, or I agree on behalf of the applicant, to operate and maintain the permitted system unless the permitting agency authorizes transfer of the permit to a responsible operation entity. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Michael Perry

Typed/Printed Name of Applicant (If no Agent is used) or Agent (If one is so authorized below)

\_\_\_\_\_  
Signature of Applicant/Agent

Date

Executive Director, Lake County Water Authority

(Corporate Title if applicable)

**AN AGENT MAY SIGN ABOVE ONLY IF THE APPLICANT COMPLETES THE FOLLOWING:**

B. I hereby designate and authorize the agent listed above to act on my behalf, or on behalf of my corporation, as the agent in the processing of this application for the permit and/or proprietary authorization indicated above; and to furnish, on request, supplemental information in support of the application. In addition, I authorize the above-listed agent to bind me, or my corporation, to perform any requirements which may be necessary to procure the permit or authorization indicated above. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

_____ Typed/Printed Name of Applicant	_____ Signature of Applicant	_____ Date
--	---------------------------------	---------------

(Corporate Title if applicable)

**Please note: The applicant's original signature (not a copy) is required above.**

**PERSON AUTHORIZING ACCESS TO THE PROPERTY MUST COMPLETE THE FOLLOWING:**

C. I either own the property described in this application or I have legal authority to allow access to the property, and I consent, after receiving prior notification, to any site visit on the property by agents or personnel from the Department of Environmental Protection, the Water Management District and the U.S. Army Corps of Engineers necessary for the review and inspection of the proposed project specified in this application. I authorize these agents or personnel to enter the property as many times as may be necessary to make such review and inspection. Further, I agree to provide entry to the project site for such agents or personnel to monitor permitted work if a permit is granted.

Michael Perry

\_\_\_\_\_  
Typed/Printed Name of Applicant

\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

Executive Director, Lake County Water Authority

(Corporate Title if applicable)

PART 8:

A. By signing this application form, I am applying, or I am applying on behalf of the applicant, for the permit and any proprietary authorizations identified above, according to the supporting data and other incidental information filed with this application. I am familiar with the information contained in this application and represent that such information is true, complete and accurate. I understand this is an application and not a permit, and that work prior to approval is a violation. I understand that this application and any permit issued or proprietary authorization issued pursuant thereto, does not relive me of any obligation for obtaining any other required federal, state, water management district or local permit prior to commencement of construction. I agree, or I agree on behalf of the applicant, to operate and maintain the permitted system unless the permitting agency authorizes transfer of the permit to a responsible operation entity. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

Typed/Printed Name of Applicant (If no Agent is used) or Agent (If one is so authorized below)

\_\_\_\_\_  
Signature of Applicant/Agent

\_\_\_\_\_  
Date

(Corporate Title if applicable)

**AN AGENT MAY SIGN ABOVE ONLY IF THE APPLICANT COMPLETES THE FOLLOWING:**

B. I hereby designate and authorize the agent listed above to act on my behalf, or on behalf of my corporation, as the agent in the processing of this application for the permit and/or proprietary authorization indicated above; and to furnish, on request, supplemental information in support of the application. In addition, I authorize the above-listed agent to bind me, or my corporation, to perform any requirements which may be necessary to procure the permit or authorization indicated above. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S. and 18 U.S.C. Section 1001.

_____ Typed/Printed Name of Applicant	_____ Signature of Applicant	_____ Date
--	---------------------------------	---------------

(Corporate Title if applicable)

**Please note: The applicant's original signature (not a copy) is required above.**

**PERSON AUTHORIZING ACCESS TO THE PROPERTY MUST COMPLETE THE FOLLOWING:**

C. I either own the property described in this application or I have legal authority to allow access to the property, and I consent, after receiving prior notification, to any site visit on the property by agents or personnel from the Department of Environmental Protection, the Water Management District and the U.S. Army Corps of Engineers necessary for the review and inspection of the proposed project specified in this application. I authorize these agents or personnel to enter the property as many times as may be necessary to make such review and inspection. Further, I agree to provide entry to the project site for such agents or personnel to monitor permitted work if a permit is granted.

_____ Typed/Printed Name of Applicant	_____ Signature of Applicant	_____ Date
--	---------------------------------	---------------

(Corporate Title if applicable)

## SECTION C

### Environmental Resource Permit Notice of Receipt of Application

Note: this form does not need to be submitted for noticed general permits.

This information is required in addition to that required in other sections of the application. Please submit five copies of this notice of receipt of application and all attachments with the other required information. Please submit all information on 8 1/2" x 11" paper.

Project Name                    Lake Beauclair Aquatic Enhancement Project  
County                            Lake  
Owner                            St. Johns River Water Management District  
Applicant:                      Michael Perry, Executive Director, Lake County Water Authority / SJRWMD

Applicant's Address:        107 North Lake Ave., Tavares, Florida 32778-3119/ 4049 Reid Street, Palatka, Florida 32178

**1. Indicate the project boundaries on a USGS quadrangle map. Attach a location map showing the boundary of the proposed activity. The map should also contain a north arrow and a graphic scale; show Section(s), Township(s), and Range(s); and must be of sufficient detail to allow a person unfamiliar with the site to find it.**

Please refer to the attached USGS Quadrangle Map (**Figure 1**) and Location Map (**Figure 2**).

**2. Provide the names of all wetlands, or other surface waters that would be dredged, filled, impounded, diverted, drained, or would receive discharge (either directly or indirectly), or would otherwise be impacted by the proposed activity, and specify if they are in an Outstanding Florida Water or Aquatic Preserve:**

No jurisdictional wetlands are recognized to occur on the project. No formal investigations to delineate the waterward or landward extent of wetlands have been performed for the purposes of this project. The sole purpose of the project is to dredge organic sediments from open water bodies, and impacts to lacustrine wetlands adjacent to Lake Beauclair, and wetlands adjacent to residential canals within the project area will be avoided during implementation of the project. Surface waters directly affected by proposed dredging activities shall include the southwest portion of Lake Beauclair, and residential canals proposed for dredging:

- Venetian Village Canal;
- Golf Course Canal;
- Small Canal 1 (SC1); and
- Small Canal 2 (SC2).

Surface waters identified as Cells F and G shall be directly affected by the proposed project through deposition of dredged material to cap existing contaminated sediments as part of future restoration objectives within the West Marsh portion of SJRWMD Lake Apopka North Shore Restoration Area. Following treatment at the deposition site and subsequently within the Lake County Water Authority (LCWA) Nutrient Reduction Facility (NuRF), decant water from the dredge project will be discharged to the Apopka Beauclair (AB) Canal, from which it will ultimately discharge back to Lake Beauclair. Direct impacts to jurisdictional surface waters are summarized in **Table 1**. None of the above water bodies are designated as Aquatic Preserves or Outstanding Florida Waters.

**3. Attach a depiction (plan and section views), which clearly shows the works or other facilities proposed to be constructed. Use multiple sheets, if necessary. Use a scale sufficient to show the location and type of works.**

A plan set depicting details of the proposed work is enclosed as **Appendix A**.

**4. Briefly describe the proposed project (such as "construct dock with boat shelter", "replace two existing culverts", "construct surface water management system to serve 150 acre residential development"):**

LCWA in cooperation with SJRWMD and the Florida Fish and Wildlife Conservation Commission (FWC), have developed a plan to improve water quality and habitat in Lake Beauclair, and in four (4) residential canals along the Apopka-Beauclair canal. These canals are referred to in this document as Small Canal 1 (SC1), Small Canal 2 (SC2), Golf Course Canal (GC), and Venetian Village Canal (VV). The project plan focuses upon the removal of fine-grained, organic-bearing sediments from an estimated 260 acres in the western portion of the Lake, and from an additional  $\pm 21$  acres of combined canal channels; all by hydraulic dredge. These sediments compromise the quality of aquatic habitat in Lake Beauclair and impede navigation. Removing the accumulated sediments near the Apopka-Beauclair canal discharge to the Lake will prevent the re-suspension and further distribution of these fine-grained organic sediments within Lake Beauclair. Dredged sediments shall be deposited in agreed upon cells within the SJRWMD West Marsh portion of the Lake Apopka North Shore Restoration Area to cap contaminated sediments from former agricultural lands and aid in future restoration of wetlands.

**5. Specify the acreage of wetlands or other surface waters, if any, that are proposed to be filled, excavated, or otherwise disturbed or impacted by the proposed activity:**

filled 985.76 ac.; 274.52 excavated ac.;;  
other impacts \_\_\_\_\_ ac.

**6. Provide a brief statement describing any proposed mitigation for impacts to wetlands and other surface waters (attach additional sheets if necessary):**

No mitigation is proposed. Minor restoration of temporary impact areas will be implemented as necessary.

FOR AGENCY USE ONLY

Application Name:  
Application Number:  
Office where the application can be inspected:

**Note to Notice recipient:** The information in this notice has been submitted by the applicant, and has not been verified by the agency. It may be incorrect, incomplete or may be subject to change.

## SECTION E

### INFORMATION REQUESTED FOR STANDARD GENERAL, INDIVIDUAL AND CONCEPTUAL ENVIRONMENTAL RESOURCE PERMIT APPLICATIONS NOT RELATED TO A SINGLE FAMILY DWELLING UNIT

Please provide the information requested below if the proposed project requires either a standard general, individual, or conceptual approval environmental resource permit and is not related to an individual, single family dwelling unit, duplex or quadruplex. The information listed below represents the level of information that is usually required to evaluate an application. The level of information required for a specific project will vary depending on the nature and location of the site and the activity proposed. Conceptual approvals generally do not require the same level of detail as a construction permit. However, providing a greater level of detail will reduce the need to submit additional information at a later date. If an item does not apply to your project, proceed to the next item. Please submit all information that is required by the Department on either 8 1/2 in. X 11 in. paper or 11 in. X 17 in. paper. Larger drawings may be submitted to supplement but not replace these smaller drawings.

#### **I. Site Information**

##### **A. Provide a map(s) of the project area and vicinity delineating USDA/SCS soil types.**

Please refer to **Figure 3** for a soils map of the project vicinity.

##### **B. Provide recent aerials, legible for photo interpretation with a scale of 1" = 400 ft, or more detailed, with project boundaries delineated on the aerial.**

Recent aerial photography of the project area is depicted on plan sheets within **Appendix A**.

##### **C. Identify the seasonal high water or mean high tide elevation and normal pool or mean low tide elevation for each on site wetland or surface water, including receiving waters into which runoff will be discharged. Include dates, datum, and methods used to determine these elevations.**

The mean annual high water elevation is not known to be published for Lake Beauclair, but is believed to be consistent with the immediately connected and adjacent Lake Dora. The mean annual high for Lake Dora is reported as 63.78 ft MSL, with the mean annual low elevation of 62.01 ft MSL. These reference elevations were reported in Technical Publication SJ82-1 (SJRWMD, 1982).

##### **D. Identify the wet season high water tables at the locations representative of the entire project site. Include dates, datum, and methods used to determine these elevations.**

The water levels described above in response to item I.C. represent the requested information for all project areas located north of the Apopka Beauclair canal lock. Please refer to Section 3.4 of the Final Conceptual Design Report included as **Appendix B** for further discussion of water levels related to Cells F and G within the West Marsh.

#### **II. Environmental Considerations**

##### **A. Provide results of any wildlife surveys that have been conducted on the site, and provide any comments pertaining to the project from the Florida Game and Fresh Water Fish Commission and the U.S. Fish and Wildlife Service (FWS).**

SJRWMD has been in communication with the FWS regarding this project and is providing a project summary report regarding wildlife concerns under separate cover.

##### **B. Provide a description of how water quantity, quality, hydroperiod, and habitat will be maintained in on-site wetlands and other surface waters that will be preserved or will remain undisturbed.**

During project implementation, appropriate BMPs will be utilized as detailed on construction plans (**Appendix A**). The proposed project is expected to result in long term improvements to water quality within the Lake and residential canals, along with restoration cells where dredged material will be discharged. No long-term adverse impacts or alterations to the hydroperiod of wetlands and surface waters are expected to result from the project. Please refer to Section 3.4 of the Final Conceptual Design Report (**Appendix B**) for a discussion of water balance within Cells F and G during project implementation.

**C. Provide a narrative description of any proposed mitigation plans, including purpose, maintenance, monitoring, and construction sequence and techniques, and estimated costs.**

No compensatory mitigation is anticipated to be necessary for the proposed project. Wetland impacts, if realized will be de minimis, occurring in association with temporary pump locations.

**D. Describe how boundaries of wetlands or other surface waters were determined. If there has ever been a jurisdictional declaratory statement, a formal wetland determination, a formal determination, a validated informal determination, or a revalidated jurisdictional determination, provide the identifying number.**

Boundaries of jurisdictional surface waters and wetlands have been determined informally based upon aerial interpretation and the extent of these zones depicted in the 1999 GIS land use mapping performed by SJRWMD in accordance with the Florida Land Use, Cover, and Forms Classification System (FDOT, 1999).

**E. Impact Summary Tables:**

**1. For all projects, complete Tables 1, 2 and 3 as applicable.**

Please refer to **Table 1** for a summary of jurisdictional surface waters on the project. No mitigation is anticipated to be necessary for the project. As a result, Table 2 and Table 3 do not apply. Wetland impacts, if realized will be de minimis, occurring in association with temporary pump locations. Pump station locations are depicted in conceptual locations on the plan set included as **Appendix A**. Each pump station is anticipated to require a 15'X15' temporary pad that shall be removed upon completion of the project.

**2. For docking facilities or other structures constructed over wetlands or other surface waters, provide the information requested in Table 4.**

No docking facilities or other structures over wetlands or surface waters are proposed.

**3. For shoreline stabilization projects, provide the information requested in Table 5.**

No shoreline stabilization activities are proposed or anticipated to be necessary for the project.

**III. Plans**

**Provide clear, detailed plans for the system including specifications, plan (overhead) views, cross sections (with the locations of the cross sections shown on the corresponding plan view), and profile (longitudinal) views of the proposed project. The plans must be signed and sealed by an appropriate registered professional as required by law. Plans must include a scale and a north arrow. These plans should show the following:**

**A. Project area boundary and total land area, including distances and orientation from roads or other land marks;**

Please refer to the plan set included as **Appendix A** for the project area depiction.

**B. Existing land use and land cover (acreage and percentages), and on-site natural communities, including wetlands and other surface waters, aquatic communities, and uplands. Use the Florida Land Use Cover & Classification System (FLUCCS) (Level 3) for projects proposed in the South Florida Water Management District, the St. Johns River Water Management District, and the Suwannee River Water Management District and use the National Wetlands Inventory (NWI) for projects proposed in the Southwest Florida Water Management District. Also identify each community with a unique identification number which must be consistent in all exhibits.**

Please refer to **Figure 4** for a land use designations in accordance with the FLUCCS (FDOT, 1999). Land use designations are based upon the SJRWMD 1999 land use Geographic Information Systems (GIS) with aerial interpretation.

**C. The existing topography extending at least 100 feet off the project area, and including adjacent wetlands and other surface waters. All topography shall include the location and a description of known benchmarks, referenced to NGVD. For systems waterward of the mean high water (MHW) or seasonal high water lines, show water depths, referenced to mean low water (MLW) in tidal areas or seasonal low water in non-tidal areas, and list the range between MHW and MLW. For docking facilities, indicate the distance to, location of, and depths of the nearest navigational channel and access routes to the channel.**

Existing topographical information for the project is depicted in the plan set included as **Appendix A**.

**D. If the project is in the known flood plain of a stream or other water course, identify the following: 1) the flood plain boundary and approximate flooding elevations; and 2) the 100-year flood elevation and floodplain boundary of any lake, stream or other watercourse located on or adjacent to the site;**

Please refer to **Figure 5** for a depiction of floodplain boundaries and elevations.

**E. The boundaries of wetlands and other surface waters within the project area. Distinguish those wetlands and other surface waters that have been delineated by any binding jurisdictional determination;**

Boundaries of jurisdictional wetlands and surface waters have not been formally defined on the project. Boundaries as depicted on **Figure 4** of wetlands and surface waters are highlighted in **Figure 6** with anticipated impact zones.

**F. Proposed land use, land cover and natural communities (acreage and percentages), including wetlands and other surface waters, undisturbed uplands, aquatic communities, impervious surfaces, and water management areas. Use the same classification system and community identification number used in III (B) above.**

Existing land use designations are not anticipated to change as a result of this project.

**G. Proposed impacts to wetlands and other surface waters, and any proposed connections/outfalls to other surface waters or wetlands;**

Please refer to **Figure 6** for quantification and depiction of impacts to jurisdictional wetlands and surface waters. These impacts are considered temporary in nature, and are proposed to benefit the natural communities where they are shown. Additional temporary impacts are expected from placement of pump stations along the pipeline. These impacts would be de minimis in size, and are depicted in conceptual locations on the plan set included as **Appendix A**. Each pump station is anticipated to require a 15'X15' temporary pad that shall be removed upon completion of the project.

**H. Proposed buffer zones;**

There are no buffer zones proposed with this project.

**I. Pre- and post-development drainage patterns and basin boundaries showing the direction of flows, including any off-site runoff being routed through or around the system; and connections between wetlands and other surface waters;**

Pre- and post-development drainage patterns are not anticipated to change as a result of this project. Please refer to the plan set included as **Appendix A** for a depiction of surface water connectivity in the project vicinity, and Section 3.4 of the Final Conceptual Design Report (**Appendix B**) for additional discussion of water balance within the disposal cells.

**J. Location of all water management areas with details of size, side slopes, and designed water depths;**

Please refer to the plan set included as **Appendix A** and Section 3.4 of the Final Conceptual Design Report (**Appendix B**) for project details. There are no stormwater management ponds proposed with the project activities.

**K. Location and details of all water control structures, control elevations, any seasonal water level regulation schedules; and the location and description of benchmarks (minimum of one benchmark per structure);**

Please refer to the plan set included as **Appendix A** and project description within Section 3.4 of the Final Conceptual Design Report (**Appendix B**) for additional information regarding control structures proposed for implementation or modification as a result of this project.

**L. Location, dimensions and elevations of all proposed structures, including docks, seawalls, utility lines, roads, and buildings;**

Specifications for proposed structures on the project are included in the plan set (**Appendix A**).

**M. Location, size, and design capacity of the internal water management facilities;**

Please refer to Section 3.4 of the Final Conceptual Design Report (**Appendix B**) for a narrative discussion of internal water management facilities associated with the project. Water management facilities are also depicted on the plan set included as **Appendix A**.

**N. Rights-of-way and easements for the system, including all on-site and off-site areas to be reserved for water management purposes, and rights-of-way and easements for the existing drainage system, if any;**

The proposed activities will occur within the limits of property currently owned/controlled by the co-applicants. A draft memorandum of agreement between the co-applicants is also enclosed for review.

**O. Receiving waters or surface water management systems into which runoff from the developed site will be discharged;**

Return decant water from the project will be discharged to the Apopka-Beauclair canal following final treatment at the LCWA NuRF. The Apopka-Beauclair canal will ultimately convey these waters back into Lake Beauclair. Approval of an override pipeline system is also requested that will pump and convey discharge of treated water directly from the NuRF to Lake Beauclair along the west side of the Apopka Beauclair canal. This override pipeline and associated pump stations shall only be implemented in the event of high water conditions in the Apopka Beauclair canal and associated operational controls by SJRWMD that interrupt discharge from the NuRF directly to the Apopka Beauclair canal over a prolonged period of time detrimental to the project schedule constraints. Please refer to the plan sets included in **Appendix A** for a depiction of the potential override pipeline system.

**P. Location and details of the erosion, sediment and turbidity control measures to be implemented during each phase of construction and all permanent control measures to be implemented in post-development conditions;**

Please refer to the plan set included as **Appendix A** for a depiction of proposed BMPs to be utilized for sediment and turbidity controls.

**Q. Location, grading, design water levels, and planting details of all mitigation areas;**

No mitigation is anticipated to be necessary on the project. Replanting within unavoidable and de minimis impact areas will be implemented as necessary at temporary impact sites associated with pump stations. Any such replanting will occur upon demobilization and post-project clean-up following dredge completion.

**R. Site grading details, including perimeter site grading;**

No site grading is currently proposed.

**S. Disposal site for any excavated material, including temporary and permanent disposal sites;**

Please refer to Sheets 3, 20, and 21 of the plan set included as **Appendix A** for a depiction of proposed sediment deposition/restoration sites. A narrative description of the deposition/restoration sites is included in Section 3.4 of the Final Conceptual Design Report included as **Appendix B**.

**T. Dewatering plan details;**

No dewatering is anticipated to be necessary for the proposed project.

**U. For marina facilities, locations of any sewage pumpout facilities, fueling facilities, boat repair and maintenance facilities, and fish cleaning stations;**

Not applicable.

**V. Location and description of any nearby existing offsite features which might be affected by the proposed construction or development such as stormwater management ponds, buildings or other structures, wetlands or other surface waters.**

No existing offsite features are anticipated to be affected by the proposed project.

**W. For phased projects, provide a master development plan.**

Not applicable.

**IV. Construction Schedule and Techniques**

**Provide a construction schedule, and a description of construction techniques, sequencing and equipment. This information should specifically include the following:**

**A. Method for installing any pilings or seawall slabs;**

Not applicable.

**B. Schedule of implementation of temporary or permanent erosion and turbidity control measures;**

Once permits are secured for the proposed work, bid specifications shall be prepared based on the project design and stipulated permit conditions. The project shall be advertised for bid based on these requirements. Once a contractor is selected by LCWA through this bid process, a detailed schedule will be defined. Erosion and turbidity control measures shall be implemented within the deposition/restoration cells prior to initiation of dredging activities.

**C. For projects that involve dredging or excavation in wetlands or other surface waters, describe the method of excavation, and the type of material to be excavated;**

Please refer to the Final Conceptual Design Report included as **Appendix B** for a detailed description of proposed dredge methods and the type of material to be excavated. It is anticipated that the project will be performed as described in this report, through hydraulic dredging. However, ultimate sediment removal methodology conforming to permit conditions and design criteria shall be at the discretion of the contractor.

**D. For projects that involve fill in wetlands or other surface waters, describe the source and type of fill material to be used. For shoreline stabilization projects that involve the installation of riprap, state how these materials are to be placed, (i.e., individually or with heavy equipment) and whether the rocks will be underlain with filter cloth;**

Please refer to Section 2.0 of the attached Final Conceptual Design Report (**Appendix B**) for a detailed description and characterization of sediments to be removed and deposited within surface water Cells F and G identified for deposition/restoration.

**E. If dewatering is required, detail the dewatering proposal including the methods that are proposed to contain the discharge, methods of isolating dewatering areas, and indicate the period dewatering structures will be in place (Note: a consumptive use or water use permit may be required);**

No dewatering is currently proposed.

**F. Methods for transporting equipment and materials to and from the work site. If barges are required for access, provide the low water depths and draft of the fully loaded barge;**

An access road exists adjacent to the Apopka-Beauclair canal to the east for a large portion of the pipeline corridor. The remainder of the pipeline corridor shall be accessed by barge to avoid unnecessary wetland impacts.

**G. Demolition plan for any existing structures to be removed; and**

No demolition of existing structures is proposed on the project.

**H. Identify the schedule and party responsible for completing monitoring, record drawings, and as-built certifications for the project when completed.**

LCWA shall be responsible for monitoring, drawings, and as-built certifications for the completed project.

**V. Drainage Information**

**A. Provide pre-development and post-development drainage calculations, signed and sealed by an appropriate registered professional, as follows:**

Please refer to Section 3.4 of the Final Conceptual Design Report included as **Appendix B** for applicable calculations and supporting documentation. The project design is primarily based on capacity to pump and store dredged materials.

**1. Runoff characteristics, including area, runoff curve number or runoff coefficient, and time of concentration for each drainage basin;**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**2. Water table elevations (normal and seasonal high) including aerial extent and magnitude of any proposed water table draw down;**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**3. Receiving water elevations (normal, wet season, design storm);**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**4. Design storms used including rainfall depth, duration, frequency, and distribution;**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**5. Runoff hydrograph(s) for each drainage basin, for all required design storm event(s);**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**6. Stage-storage computations for any area such as a reservoir, close basin, detention area, or channel, used in storage routing;**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**7. Stage-discharge computations for any storage areas at a selected control point, such as control structure or natural restriction;**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**8. Flood routings through on-site conveyance and storage areas;**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**9. Water surface profiles in the primary drainage system for each required design storm event(s);**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**10. Runoff peak rates and volumes discharged from the system for each required design storm event(s);**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**11. Tail water history and justification (time and elevation); and**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**12. Pump specifications and operating curves for range of possible operating conditions (if used in system).**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**B. Provide the results of any percolation tests, where appropriate, and soil borings that are representative of the actual site conditions;**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**C. Provide the acreage, and percentages of the total project, of the following:**

**1. Impervious surfaces, excluding wetlands;**

Please refer to **Figure 4**.

**2. Pervious surfaces (green areas, not including wetlands);**

Please refer to **Figure 4**.

**3. Lakes, canals, retention areas, other open water areas; and**

Please refer to **Figure 4**.

**4. Wetlands.**

Please refer to **Figure 4**.

**D. Provide an engineering analysis of floodplain storage and conveyance (if applicable), including:**

**1. Hydraulic calculations for all proposed traversing works;**  
Not applicable.

**2. Backwater water surface profiles showing upstream impact of traversing works;**  
Not applicable.

**3. Location and volume of encroachment within regulated floodplain(s); and**

Not applicable.

**4. Plan for compensating floodplain storage, if necessary, and calculations required for determining minimum building and road flood elevations.**

Not applicable.

**E. Provide an analysis of the water quality treatment system including:**

**1. A description of the proposed stormwater treatment methodology that addresses the type of treatment, pollution abatement volumes, and recovery analysis; and**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**2. Construction plans and calculations that address stage-storage and design elevations, which demonstrate compliance with the appropriate water quality treatment criteria.**

Please refer to the Final Conceptual Design Report included as **Appendix B**.

**F. Provide a description of the engineering methodology, assumptions and references for the parameters listed above, and a copy of all such computations, engineering plans, and specifications used to analyze the system. If a computer program is used for the analysis, provide the name of the program, a description of the program, input and output data, two diskette copies, if available, and justification for model selection.**

Please refer to Section 3.4 of the Final Conceptual Design Report included as **Appendix B** for the requested information.

**VI. Operation and Maintenance and Legal Documentation**

**A. Describe the overall maintenance and operation schedule for the proposed system.**

The NuRF facility is operated and maintained by the LCWA, in cooperation with the SJRWMD. Cells F and G are operated and maintained by the SJRWMD as part of the overall Lake Apopka North Shore Restoration Area.

**B. Identify the entity that will be responsible for operating and maintaining the system in perpetuity if different than the permittee, a draft document enumerating the enforceable affirmative obligations on the entity to properly operate and maintain the system for its expected life, and documentation of the entity's financial responsibility for long-term maintenance. If the proposed operation and maintenance entity is not a property owner's association, provide proof of the existence of an entity, or the future acceptance of the system by an entity which will operate and maintain the system. If a property owner's association is the proposed operation and maintenance entity, provide copies of the articles of incorporation for the association and copies of the declaration, restrictive covenants, deed restrictions, or other operational documents that assign responsibility for the operation and maintenance of the system. Provide information ensuring the continued adequate access to the system for maintenance purposes. Before transfer of the system to the operating entity will be approved, the permittee must document that the transferee will be bound by all terms and conditions of the permit.**

The NuRF facility is operated and maintained by the LCWA, in cooperation with the SJRWMD. Cells F and G are operated and maintained by the SJRWMD as part of the overall Lake Apopka North Shore Restoration Area.

**C. Provide copies of all proposed conservation easements, storm water management system easements, property owner's association documents, and plats for the property containing the proposed system.**

The project limits are owned/controlled by the co-applicants and there are no additional easements required for the proposed project activities. Please refer to 2005-315 Laws of Florida for LCWA enabling legislation applicable to the proposed project.

**D. Provide indication of how water and waste water service will be supplied. Letters of commitment from off-site suppliers must be included.**

Water and wastewater services will not be required for the proposed project activities.

- E. Provide a copy of the boundary survey and/or legal description and acreage of the total land area of contiguous property owned/controlled by the applicant.**

Please refer to the attached Property Parcel Map included with Section A of the application, depicting the limits of property ownership by the co-applicants. This information was obtained from the Lake County GIS database.

## **VII. Water Use**

- A. Will the surface water system be used for water supply, including landscape irrigation, or recreation.**

The surface water system is not anticipated to be used for future water supply.

- B. If a Consumptive Use or Water Use permit has been issued for the project, state the permit number.**

Not applicable.

- C. If no Consumptive Use or Water Use permit has been issued for the project, indicate if such a permit will be required and when the application for a permit will be submitted.**

No Consumptive Use or Water Use permit is anticipated to be necessary.

- D. Indicate how any existing wells located within the project site will be utilized or abandoned.**

No existing wells are known to occur within the project area.

## SECTION G

### Application for Authorization to Use Sovereign Submerged Lands

**Part 1:** Sovereign Submerged Lands title information (see Attachment 5 for an explanation). Please read and answer the applicable questions listed below:

A. I have a sovereign submerged lands title determination from the Division of State Lands which indicates that the proposed project is NOT ON sovereign submerged lands (Please attach a copy of the title determination to the application). Yes  No

- If you answered Yes to Question A and you have attached a copy of the Division of State Lands Title Determination to this application, you do not have to answer any other questions under Part I or II of Section G.

B. I have a sovereign submerged lands title determination from the Division of State Lands which indicates that the proposed project is ON sovereign submerged lands (Please attach a copy of the title determination to the application). Yes  No

- If you answered yes to question B please provide the information requested in Part II. Your application will be deemed incomplete until the requested information is submitted.

C. I am not sure if the proposed project is on sovereign submerged lands (please check here).

- If you have checked this box department staff will request that the Division of State Lands conduct a title determination. If the title determination indicates that the proposed project or portions of the project are located on sovereign submerged lands you will be required to submit the information requested in Part II of this application. The application will be deemed incomplete until the requested information is submitted.

D. I am not sure if the proposed project is on sovereign submerged lands and I DO NOT WISH to contest the Department's findings (please check here).

- If you have checked this box refer to Part II of this application and provide the requested information. The application will be deemed incomplete until the requested information is submitted.

E. It is my position that the proposed project is NOT on sovereign submerged lands (please check here)

- If you have evidence that indicates that the proposed project is not on sovereign submerged lands please attach the documentation to the application. If the Division of State Lands title determination indicates that your proposed project or portion of your proposed project are on sovereign submerged lands you will be required to provide the information requested in Part II of this application.

F. If you wish to contest the findings of the title determination conducted by the Division of State Lands please contact the Department of Environmental Protection's Office of General Counsel. Your proposed project will be deemed incomplete until either the information requested in Part II is submitted or a legal ruling indicates that the proposed project is not on sovereign submerged lands.

**Part II:** If you were referred to this section by Part I, please provide this additional information. Please note that if your proposed project is on sovereign submerged lands and the below requested information is not provided, your application will be considered incomplete.

**A. Provide evidence of title to the subject riparian upland property in the form of a recorded deed, title insurance, legal opinion of title, or a long-term lease which specifically includes riparian rights. Evidence submitted must demonstrate that the application has sufficient title interest in the riparian upland property.**

Please refer to 2005-315 Laws of Florida for LCWA enabling legislation applicable to the proposed project.

**B. Provide a detailed statement describing the existing and proposed upland uses and activities. For commercial uses, indicate the specific type of activity, such as marina, ship repair, dry storage (including the number of storage spaces), commercial fishing/seafood processing, fish camp, hotel, motel resort restaurant, office complex, manufacturing operation, etc.**

For rental operations, such as trailer or recreational vehicle parks and apartment complexes, indicate the number of wet slip units/spaces available for rent or lease and describe operational details (e.g., are spaces rented on a month-to-month basis or through annual leases).

For multi-family residential developments, such as condominiums, town homes, or subdivisions, provide the number of living units/lots and indicate whether or not the common property (including the riparian upland property) is or will be under the control of a homeowners association.

For projects sponsored by a local government, indicate whether or not the facilities will be open to the general public. Provide a breakdown of any fees that will be assessed, and indicate whether or not such fees will generate revenue or will simply cover costs associated with maintaining the facilities.

No uplands immediately adjacent to sovereign submerged lands are included within the project area. Existing uses in the immediately adjacent areas include residential and undeveloped natural wetlands and uplands. No impact or change in future use of these areas is proposed to result from the project.

**C. Provide a detailed statement describing the existing and proposed activities located on or over the sovereign submerged lands at the project site. This statement must include a description of docks and piers, types of vessels (e.g., commercial fishing, liveaboards, cruise ships, tour boats), length and draft of vessels, sewage pumped facilities, fueling facilities, boat hoists, boat ramps, travel lifts, railways, and any other structure or activities existing or proposed to be located waterward of the mean/ordinary high water line.**

Lake Beauclair and surface water canal SC2 are designated as sovereign within the project area. The mean annual high water elevation is not known to be published for Lake Beauclair, but is believed to be consistent with the immediately connected and adjacent Lake Dora. The mean annual high for Lake Dora is reported as 63.78 ft MSL, with the mean annual low elevation of 62.01 ft MSL. These reference elevations were reported in Technical Publication SJ82-1 (SJRWMD, 1982). Please refer to the plan set included as **Appendix A** for a depiction of facilities within the waterward limits of sovereignty. Each of the structures are located landward of the areas affected by the proposed project.

**If slips exist and/or proposed, please indicate the number of powerboat slips and sailboat slips and the percentage of those slips available to the general public on a "first come, first served" basis. This statement must include a description of channels, borrow sites, bridges, groins, jetties, pipelines, or other utility crossings, and any other structures or activities existing or proposed to be located waterward of the mean/ordinary high water line. For shoreline stabilization activities, this statement must include a description of seawalls, bulkheads, riprap, filling activities, and any other structure or activities existing or proposed to be located along the shoreline.**

An inventory of facilities available to the general public in this area is not currently available. However, the project has been designed specifically to avoid effects to existing structures.

**D. Provide the linear footage of shoreline at the mean/ordinary high water line owned by the application which borders sovereign submerged lands.**

Shorelines of sovereign submerged lands on the project at the specified mean annual high elevation of 63.78 ft MSL do not occur within the project boundaries.

**E. Provide a recent aerial photo of the area. A scale of 1"=200' is preferred. Photos are generally available at minimal cost from your local government property appraiser's office or from district Department of Transportation offices. Indicate on the photo the specific location of your property/project site.**

Please refer to aerial photography included in **Appendix A**.

## PROPRIETARY PROJECT DESCRIPTIONS

Please check the most applicable activity which applies to your project(s):

### Leases

- Commercial marinas (renting wet slips) including condos, etc., if 50% or more of their wet slips are available to the general public
- Public/Local governments
- Yacht Clubs/Country Clubs (when a membership is required)
- Condominiums (requires upland ownership)
- Commercial Uplands Activity (temporary docking and/or fishing pier associated with upland revenue generating activities, i.e., restaurants, hotels, motels) for use of the customer at not charge
- Miscellaneous Commercial Upland Enterprises where there is a charge associated with the use of overwater structure (Charter Boats, Tour Boats, Fishing Piers)
- Ship Building/Boat Repair Service Facilities
- Commercial Fishing Related (Offloading, Seafood Processing)
- Private Single-family Residential Docking Facilities; Townhome Docking Facilities; Subdivision Docking Facilities (upland lots privately owned)

### Public Easements and Use Agreements

- Miscellaneous Public Easements and Use Agreements
- Bridge Right-of-way (DOT, local government)
- Breakwater of groin
- Subaqueous Utility Cable (TV, telephone, electrical)
- Subaqueous Outfall or Intake
- Subaqueous Utility Water/Sewer
- Overhead Utility w/Support Structure on Sovereign Submerged Lands
- Disposal Site for Dredged Material
- Pipeline (gas)
- Borrow Site

### Private Easements

- Miscellaneous Private Easements
- Bridge Right-of-way
- Breakwater Groin
- Subaqueous Utility Cable (TV, telephone, electrical)
- Subaqueous Outfall or Intake
- Subaqueous Utility Water/Sewer
- Overhead Utility Crossing
- Disposal Site for Dredged Material
- Pipeline (gas)

Consents of Use

- Aerial Utility Crossing w/no support structures on sovereign submerged lands
- Private Dock
- Public Dock
- Multi-family Dock
- Fishing Pier (private or Multi-family)
- Private Boat Ramp
- Sea Wall
- Dredge
- Maintenance Dredge
- Navigation Aids/Markers
- Artificial Reef
- Riprap
- Public Boat Ramp
- Public Fishing Pier
- Repair/Replace Existing Public Fishing Pier
- Repair/Replace Existing Private Dock
- Repair/Replace Existing Public Dock
- Repair/Replace Existing Multi-family Dock
- Repair/Replace Existing Fishing Pier (Private or Multi-family)
- Repair/Replace Existing Private Boat Ramp
- Repair/Replace Existing Sea Wall, Revetments, or Bulkheads
- Repair/Replace/Modify structures/activities within an exiting lease, easement, management agreement or use agreement area or repair/replace existing grandfathered structures
- Repair/Replace Existing Public Boat Ramp

**Miscellaneous**

- Biscayne Bay Letters of Consistency/Inconsistency w/258.397, F.S.
- Management Agreements - Submerged Lands
- Reclamation
- Purchase of Filled, Formerly Submerged Lands
- Purchase of Reclaimed Lake Bottom
- Treasure Salvage
- Insect Control Structures/Swales
- Miscellaneous projects which do not fall within the activity codes listed above