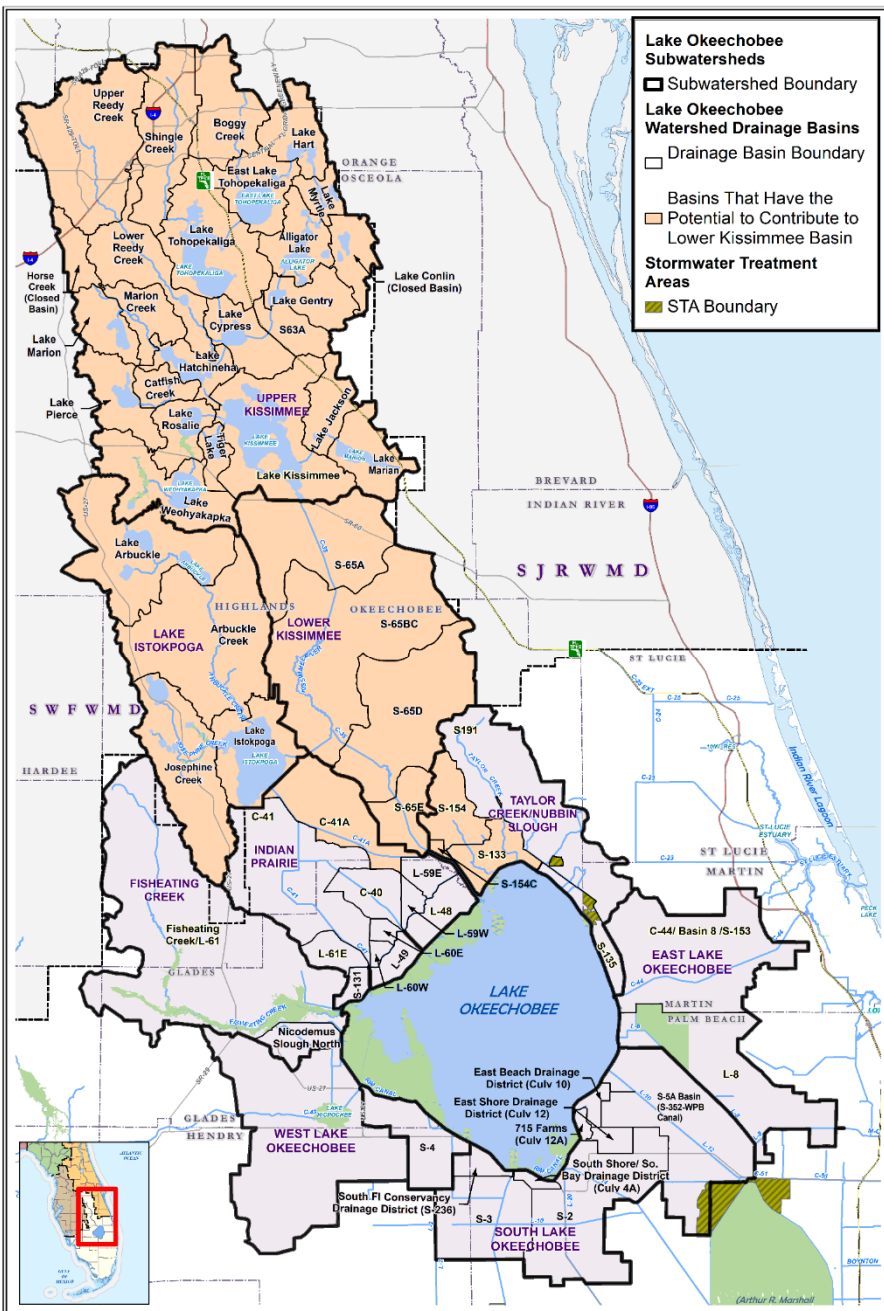


# Lower Kissimmee Basin Stormwater Treatment Project

Jennifer Reynolds, Division Director  
Ecosystem Restoration & Capital Projects Division  
South Florida Water Management District  
Governing Board Meeting  
December 09, 2021



# Lower Kissimmee Basin Stormwater Treatment Project



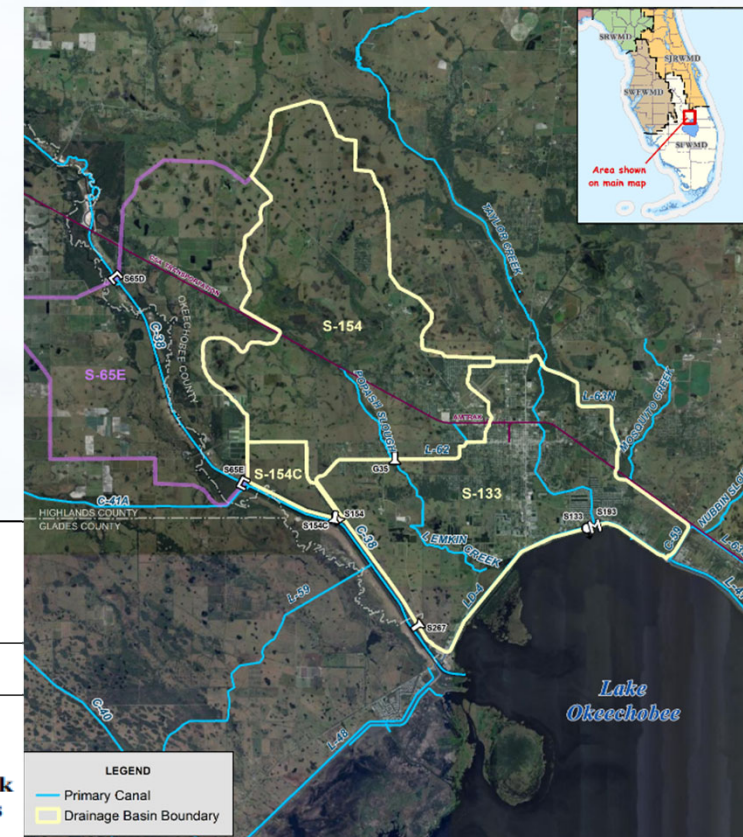
- A Northern Everglades and Estuaries Protection Program (NEEPP) project
- Allows for the treatment of water to the lake
- Lower Kissimmee Basin receives runoff from a large portion of the watershed including:


- S-154, S-65D, and S-65E NEEPP priority basins
- S-154, S-154C and C-41A focus basins
- Upper Kissimmee Subwatershed
- Lower Kissimmee Subwatershed
- Lake Istokpoga Subwatershed



# Lower Kissimmee Basin Stormwater Treatment Project

- District solicited proposals for the Lower Kissimmee Basin Stormwater Treatment Project
  - Turnkey STA to remove 13-15 metric tons of phosphorus per year (actual removal to be defined during design)
  - Phased implementation
  - Successful operation for 5 years prior to turnover
  - Not to exceed amount of \$300M



 <p><b>SOUTH FLORIDA WATER MANAGEMENT DISTRICT DESIGN/BUILD SOLICITATION (CCNA)</b></p>	<p><b>SOLICITATION NUMBER: 6000001215</b>  <b>ISSUE DATE: MARCH 12, 2021</b>  <b>PRE-PROPOSAL CONFERENCE</b>  <b>Date: March 22, 2021</b>  <b>Time: 10:00 A.M.</b>  <b>Location: Via ZOOM - The following Link must be used to register in advance of this meeting:</b>  <a href="https://zoom.us/webinar/register/WN_TXkeH7jwTTW5RoNbzYvJ6A">https://zoom.us/webinar/register/WN_TXkeH7jwTTW5RoNbzYvJ6A</a></p>
<p>South Florida Water Management District                  Attn: Procurement Bureau                  B-1 Building, 2<sup>nd</sup> Floor West                  3301 Gun Club Road                  West Palm Beach, FL 33406</p>	
<p><b>TITLE: DESIGN/BUILD OF A LOWER KISSIMMEE BASIN STORMWATER TREATMENT PROJECT</b></p> <p><b>Purpose:</b> The purpose of this Solicitation is to solicit responses from qualified design/build organizations for the design, construction, operation and maintenance of a Lower Kissimmee Basin Stormwater Treatment Project. At the end of the construction, the successful Respondent shall operate and maintain the facility for 5 years. At the end of the 5-year period, the facility and title of land will be transferred to the District, at the District's sole discretion. This Solicitation is issued subject to the legal requirements established under the Consultants' Competitive Negotiation Act, Section 287.055, Florida Statutes.</p>	

# Lower Kissimmee Basin Stormwater Treatment Project

- RFP advertised March 12, 2021
- Received Proposals from 2 Firms
  - EIP Florida Water Quality, LLC – Ecosystem Investment Partners, LLC.
  - HGS, LLC dba Angler Environmental, LLC, or “RES”.
- Governing Board authorized entering into contract negotiations, not to exceed \$300M, with the shortlisted firms in ranked order

The image shows the cover of a 'Project Approach Package' document. At the top left is the Ecosystem Investment Partners logo. To its right, it says 'SOLICITATION NUMBER: 6000001215' and 'APRIL 12, 2021'. The main title is 'Design/Build of a Lower Kissimmee Basin Stormwater Treatment Project' in large green font. Below the title, it says 'PREPARED FOR: South Florida Water Management District' and 'SUBMITTED BY: EIP Florida Water Quality, LLC'. At the bottom, there are two columns of contact information for Nick Dilks and Kyle Graham.

**Ecosystem Investment Partners**  
SOLICITATION NUMBER: 6000001215  
APRIL 12, 2021

PROJECT APPROACH PACKAGE

SOUTH FLORIDA WATER MANAGEMENT DISTRICT DESIGN/BUILD SOLICITATION (CCNA)

## Design/Build of a Lower Kissimmee Basin Stormwater Treatment Project

PREPARED FOR: South Florida Water Management District  
SUBMITTED BY: EIP Florida Water Quality, LLC

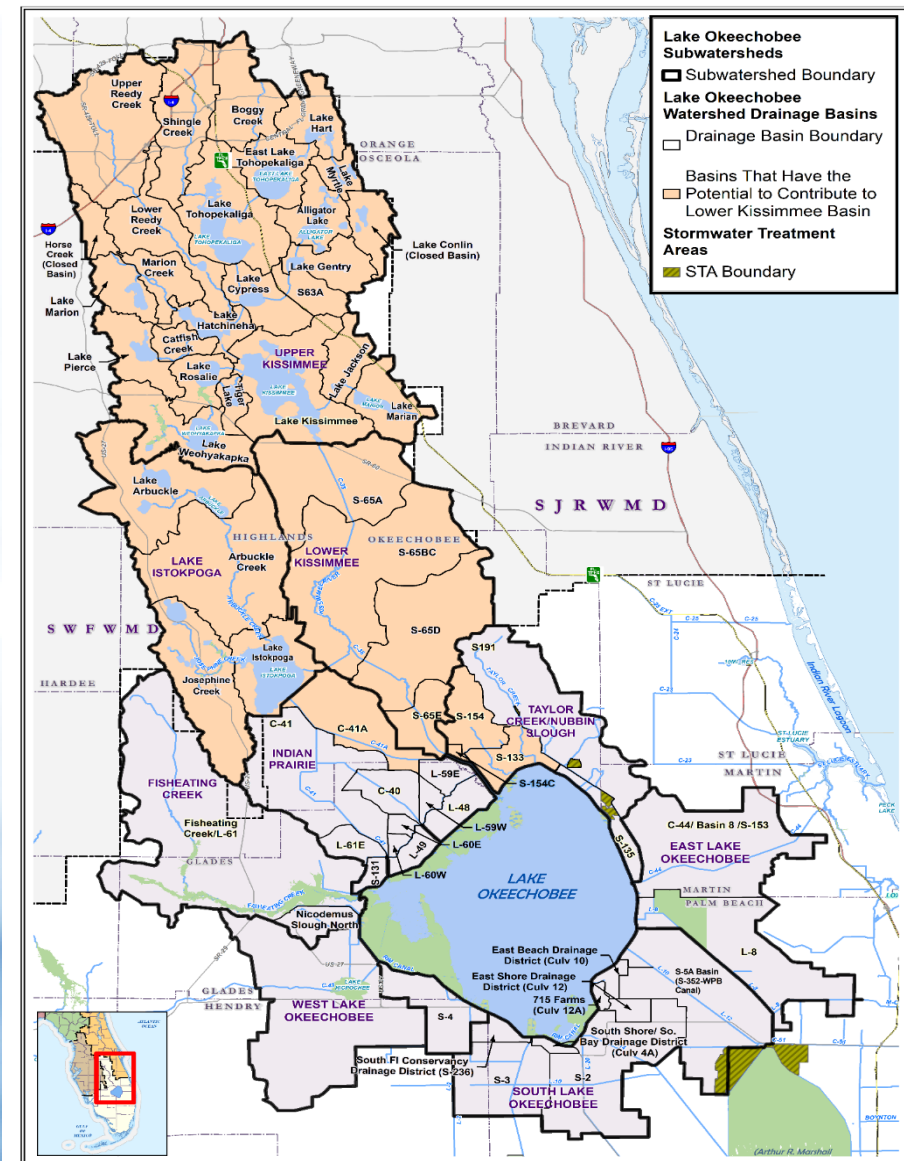
INDIVIDUAL AUTHORIZED TO EXECUTE CONTRACT:  
**Nick Dilks**  
5550 Newbury Street, Suite B  
Baltimore, Maryland 21209  
nick@ecosystempartners.com  
443.921.9441

RESPONDENT POINT OF CONTACT:  
**Kyle Graham**  
1420 Greening Avenue  
Erie, Colorado 80516  
kyle@ecosystempartners.com  
828.243.2674

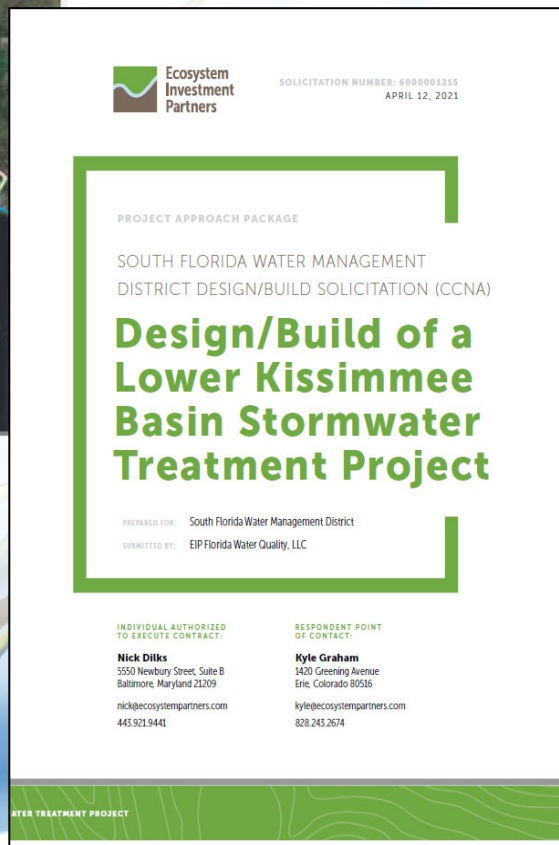
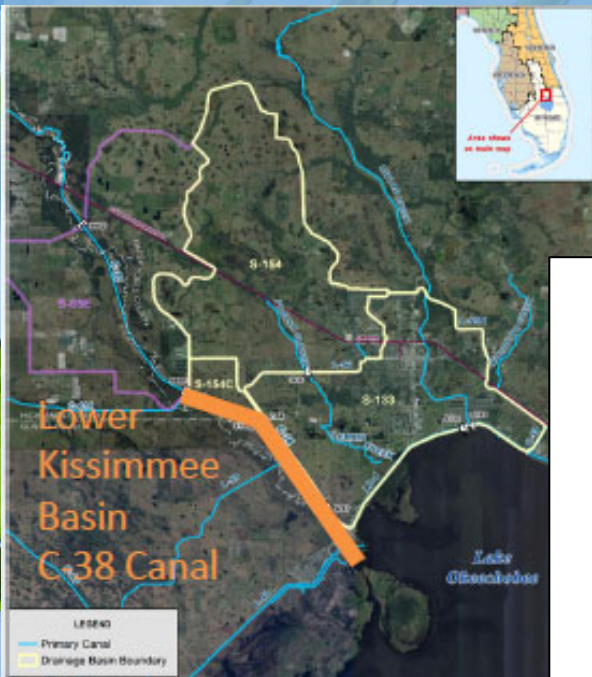
ATER TREATMENT PROJECT

# Lower Kissimmee Basin Stormwater Treatment Project

- Design, land acquisition, construction, operation and maintenance of a new stormwater treatment facility to maximize capturing stormwater runoff and reducing nutrient loading from high TP source areas
  - Anticipated to achieve a minimum long-term annual average of 13-15 metric tons/year. This will be further defined during the design process.
- Located ~3 riverine miles upstream of Lake Okeechobee on the Kissimmee River (C-38 Canal)
- Project area currently owned by EIP and includes approximately 3,400 acres



# Lower Kissimmee Basin Stormwater Treatment Project



- Hybrid Stormwater Treatment Area (STA) capable of removing phosphorus from the S-154C and S-154 Basins of the Taylor Creek/Nubbin Slough watershed, Indian Prairie C-41A Canal and the Lower Kissimmee River Basin/C-38 Canal
- Includes innovative technology component
- Proposed to operate year-round as a flow-through system
- Performance-based contracting approach

## Lower Kissimmee Basin Stormwater Treatment Project

- Total project cost not to exceed \$300M (State funding)
- Phase One = \$12.6M:
  - 1A - Reconnaissance Study and Design Documentation Report
    - "Due diligence" work
    - Approximately 6-8 months
    - Requires District review and acceptance to move to Phase 1B
    - District can terminate upon completion of Phase 1A: Pays ~\$6M for due-diligence work
  - 1B - Design and permit applications, development of stipulated price and payments and deliverables schedule
    - Approximately 4-6 months
    - Requires District review and acceptance to move to Phase Two
    - Requires Governing Board approval of stipulated price and payments and deliverables schedule
      - Costs of Phase Two: land acquisition, final design, construction, operation, and innovative technology
    - District can terminate upon completion of Phase 1B: Pays ~\$12.6M for costs of Phase 1

# Lower Kissimmee Basin Stormwater Treatment Project



## ➤ Phase Two:

- Approximately 4 years
- Costs to be determined in stipulated price proposal such that total project costs don't exceed \$300M
- Complete design, land acquisition, construction and start-up operations, including innovative tech
  - Requires District acceptance at completion of each stage
- District can terminate upon completion of final design and land transfer: Pays design and land acquisition costs.
- Operate for 5 successful years out of possible 7
- Formally turn over to District for long-term O&M



## Resolution

A Resolution of the Governing Board of the South Florida Water Management District to authorize entering into (1) a Project Agreement (Contract No. 4600004527) with Ecosystem Investment Partners Florida Water Quality, LLC, for the design, construction, operation, innovative technology, and land acquisition associated with the Lower Kissimmee Basin Stormwater Treatment Area (STA) Project, in an amount not to exceed \$300,000,000.00, and (2) grant funding agreement(s) with the Florida Department of Environmental Protection to fund the Lower Kissimmee STA Project; providing an effective date.

# Questions

## RFP for Northern Everglades Watershed Projects



Inflow at Lykes West Waterhole

- Renew performing projects
- Improve/expand existing projects
- Negotiate contracts for new projects
- Leverage funding opportunities efficiently

## RFP for Northern Everglades Watershed Projects

- RFP #6000001289 released on November 10, 2021
- Deadline for RFP Submission is January 14, 2022 – 2:30pm

[SFWMD.gov/Procurement](https://www.sfwmd.gov/Procurement)

**Submit your Projects!**



# Public Comment

