



Florida Department of Environmental Protection

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Rick Scott
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This survey is to identify water quality improvement projects that have a regional impact and will address nutrient loads towards meeting the Basin Management Action Plan (BMAP) and Total Maximum Daily Load (TMDL). Responses are due back to the department by February 29, 2016.

PROJECT

What is the name of the project? (If available, please use same name listed in Stormwater Master Plan)

Project Name: Bluefield Grove Water Farm

Please provide a brief description of the project type.

Project Type: Above ground impoundment to provide increased regional water storage and provide pollutant load reduction through attenuation

What are the methods by which the project achieves water quality and/or quantity improvement?

Project Description: Water from the C-23 Canal is stored within the constructed impoundment, reducing the nutrient load and volume of water which would otherwise be discharged to the St. Lucie Estuary by approximately 33,791 acre-feet

When will the project begin and end?

Desired Start Date: Month 08 Year 2016 Completion Date: 08/2017

COST

How much will this project cost (total, estimated)?

Estimated Cost: \$ 4,220,000

What are estimated Operation and Maintenance costs of this project on a yearly basis?

Estimated Annual O&M Cost: \$ 4,314,000

LOCATION

Within which Basin Management Action Plan (BMAP) is the project located?

BMAP: St. Lucie River and Estuary BMAP

Please provide a description of this project's location (Sub-watershed, WBID, Zone, 8 digit HUC)

General Location: St. Lucie County adjacent to C-23 Canal (WBID 3200)

HUC - 03090202

What is the north-south position of this project in decimal degrees?

Latitude: 27.26021 N

What is the east-west position of this project in decimal degrees?

Longitude: 80.59768 W

PROJECT MANAGEMENT

Who is the main entity managing this project?

Lead Entity: Evans Properties, Inc.

Who are the entities that will provide monies/effort towards this project?

Partners: South Florida Water Management District

WATER QUALITY BENEFITS

How many acres are treated by this project?

Acres Treated: C-23 Basin (107,328 acres)

What is the estimated Total Nitrogen (TN) reduction achieved per year in pounds?

Estimated TN Reduction: 110,025 lbs/yr

What is the estimated Total Phosphorous (TP) reduction achieved per year in pounds?

Estimated TP Reduction: 18,182 lbs/yr

Approximately 33,791 acre-feet of stormwater prevented from discharging to the St. Lucie Estuary