

# **Contract for the Caulkins Citrus Water Farm Expansion**

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Governing Board Meeting  
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# Caulkins Water Farm Background

## ➤ Pilot Project

- January 2014 to August 2016
- 450 acre fallow citrus grove (one cell – southwest corner)
- Inflow at 125 acre-feet per day
- Retained ~4,500 acre-feet of rainfall
- Stored On-Site: ~36,500 acre-feet (12 billion gallons)
- High infiltration rate of 0.1 feet per day

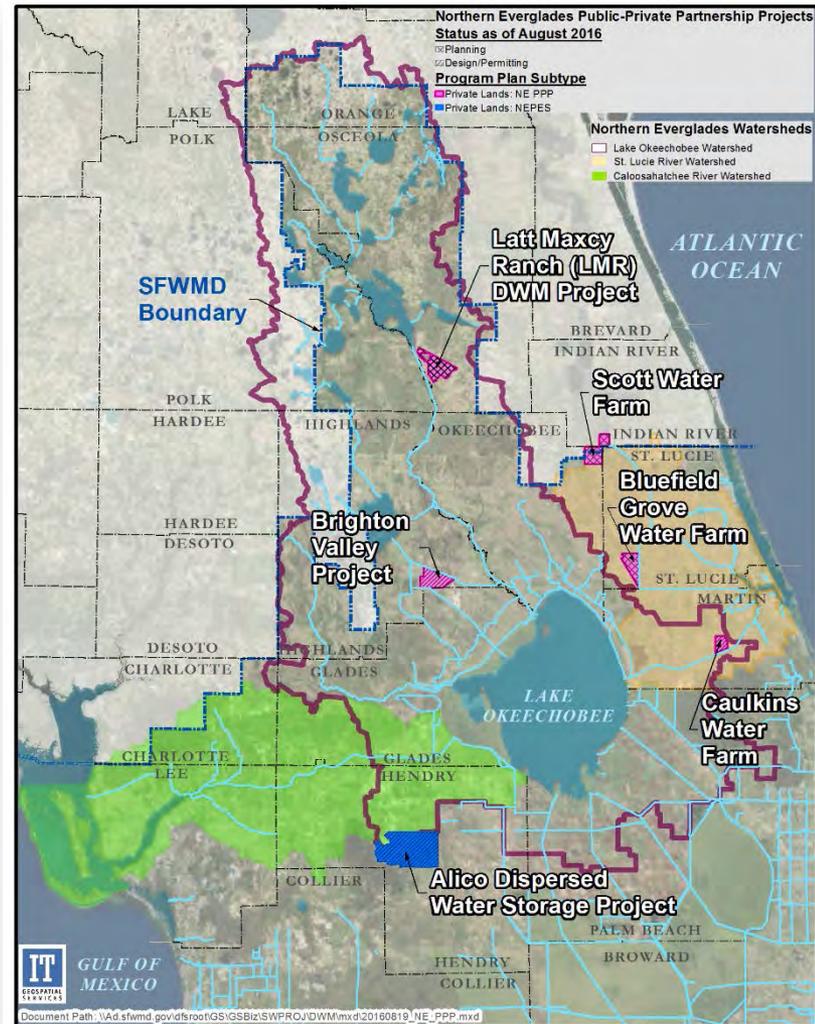
## ➤ Proposed Expansion Project

- Estimated construction completion in Fall 2017
- 3,275 acre fallow citrus grove
- Five cells (most of Caulkins property)
- Inflow at 460 acre-feet per day



# Northern Everglades Public-Private Partnerships (NE PPP) Timeline

- **January 2016:** Florida Department of Environmental Protection (FDEP) surveyed for large, regional-scale Basin Management Action Plan (BMAP) projects
- **February 2016:** FDEP identified 6 projects
- **March 2016:** Projects appropriated
- **June 2016:** Interagency Working Group convened. Members: FDEP, SFWMD, Florida Department of Agriculture and Consumer Services (FDACS)
- **September 2016:** Meeting with Landowners, Cost-Share Agreements with FDACS, and Technical Suitability Criteria completed
- **October 2016:** NE PPP Governing Board presentation



# Proposed Caulkins Water Farm Expansion Project

## Benefits

- Compares favorably to District's Dispersed Water Management (DWM) Program contract rates
- St. Lucie River Watershed
- Expedited implementation
- Net water quantity benefit of up to 80,000 acre-feet annually (26 billion gallons)
- Nutrient loads pumped out of C-44; Estimated annual range:
  - Total Phosphorus: 8 – 17 metric tons
  - Total Nitrogen: 56 – 123 metric tons

## Costs

- Average cost-effectiveness rate: \$90 per acre-foot
- Year 1 total construction cost: \$7,446,180
  - Funded by SA1590A
- Years 2 through 11: \$5,500,000 all-inclusive fixed annual Payment for Environmental Services
  - Relies solely on future legislative funding



Caulkins Citrus Pilot Project,  
Martin County (2016)

## **Resolution No. 2016 - 1116**

A Resolution of the Governing Board of the South Florida Water Management District to enter into Contract No. 46000003437 with Caulkins Citrus Company, Ltd. for the Caulkins Water Farm Expansion Project for a term of 11-years at a cost of \$62,446,179.94, of which \$7,446,179.94 is provided by the Florida Legislature and budgeted in Fiscal Year 2016-2017 and the remainder is solely dependent on future legislative funding and also requires Governing Board approval of Fiscal Year 2017-2018 through Fiscal Year 2028-2029 budgets; providing an effective date.