



EVANS PROPERTIES

Dispersed Water Projects



SOUTH FLORIDA WATER MANAGEMENT DISTRICT

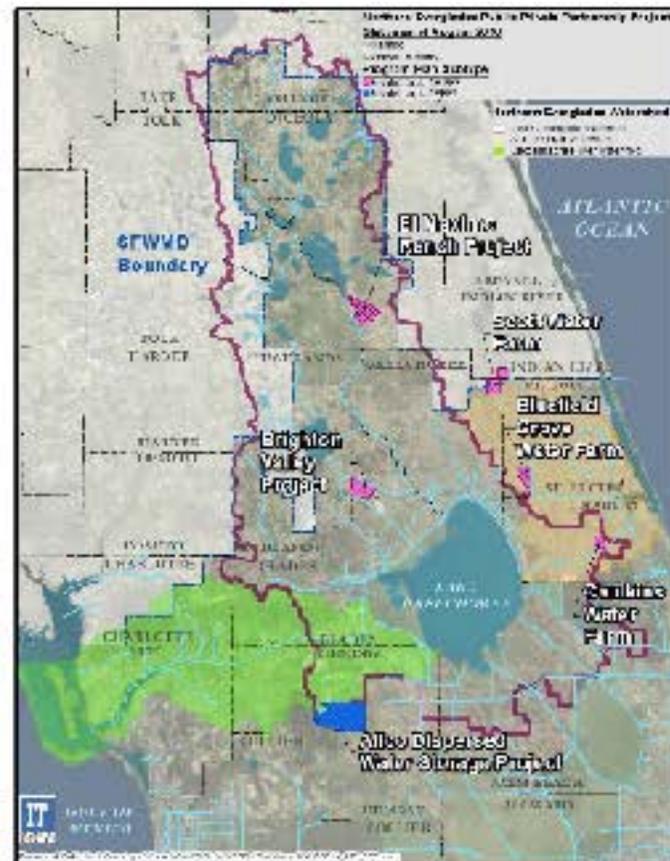
Dispersed Water Management Project Benefits

- Increased groundwater recharge
- Improved habitat
- Higher soil moisture in dry season
- Rapid implementation
- Avoids high cost of land acquisition & management
- Keeps land on local tax rolls
- Supports local economy
- Reduces land conversion
- In some cases, underlying ag use is maintained
- Income diversification
- May decrease irrigation or feed costs in dry season
- Income stream may reduce losses from non-production

SOUTH FLORIDA WATER MANAGEMENT DISTRICT

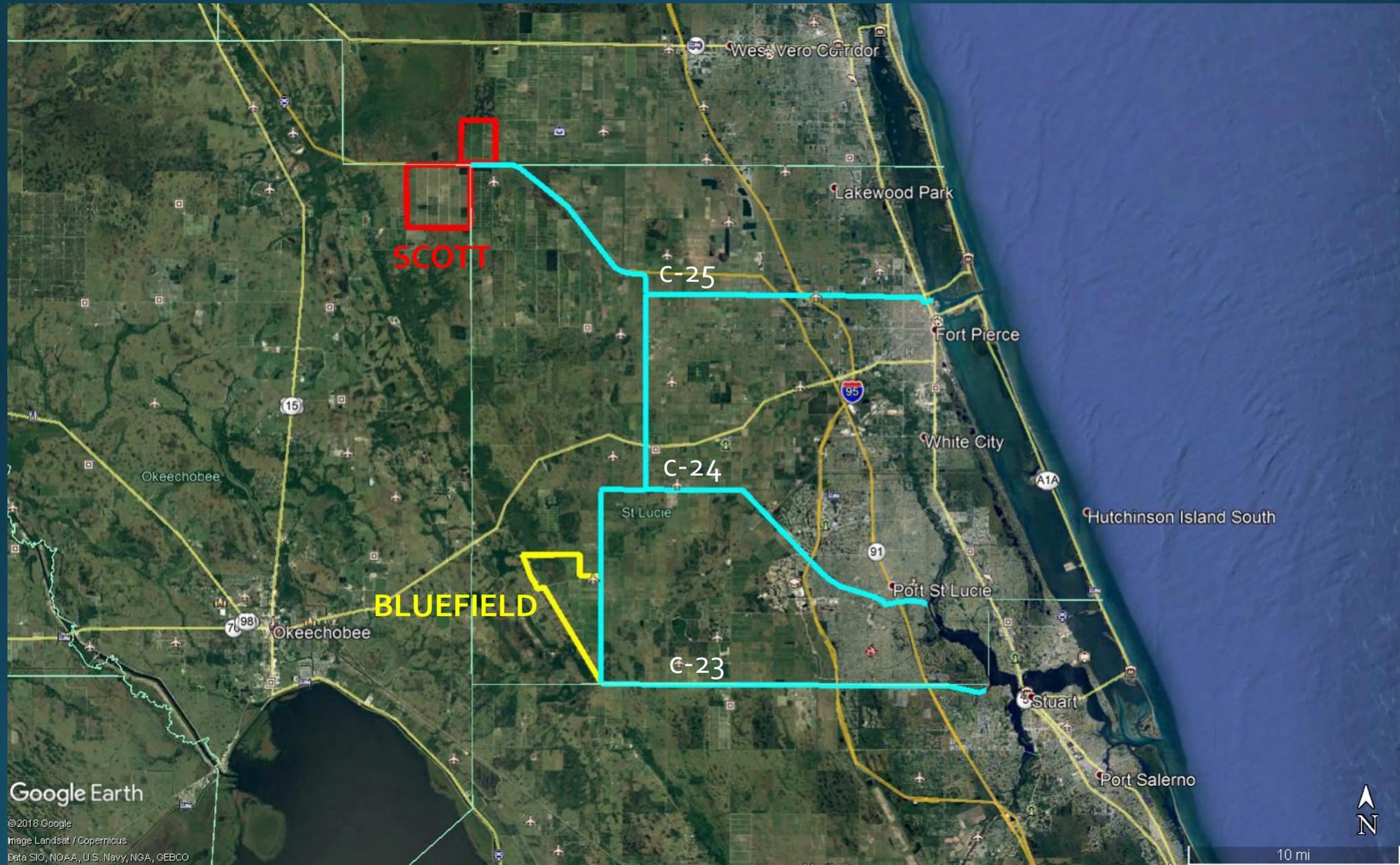
Northern Everglades Public-Private Partnerships (NE PPP) Timeline

- Florida Department of Environmental Protection (FDEP) surveyed for large, regional-scale Basin Management Action Plan (BMAP) projects
 - ✓ FDEP identified 6 projects
- Interagency Working Group formed. Members: FDEP, SFWMD, Florida Department of Agriculture and Consumer Services (FDACS)
 - ✓ Purpose: Develop and execute contracts, provide technical assistance and cost-share
- SFWMD Governing Board approved first NE PPP project in November 2017





EVANS PROPERTIES – DISPERSED WATER PROJECTS



Google Earth

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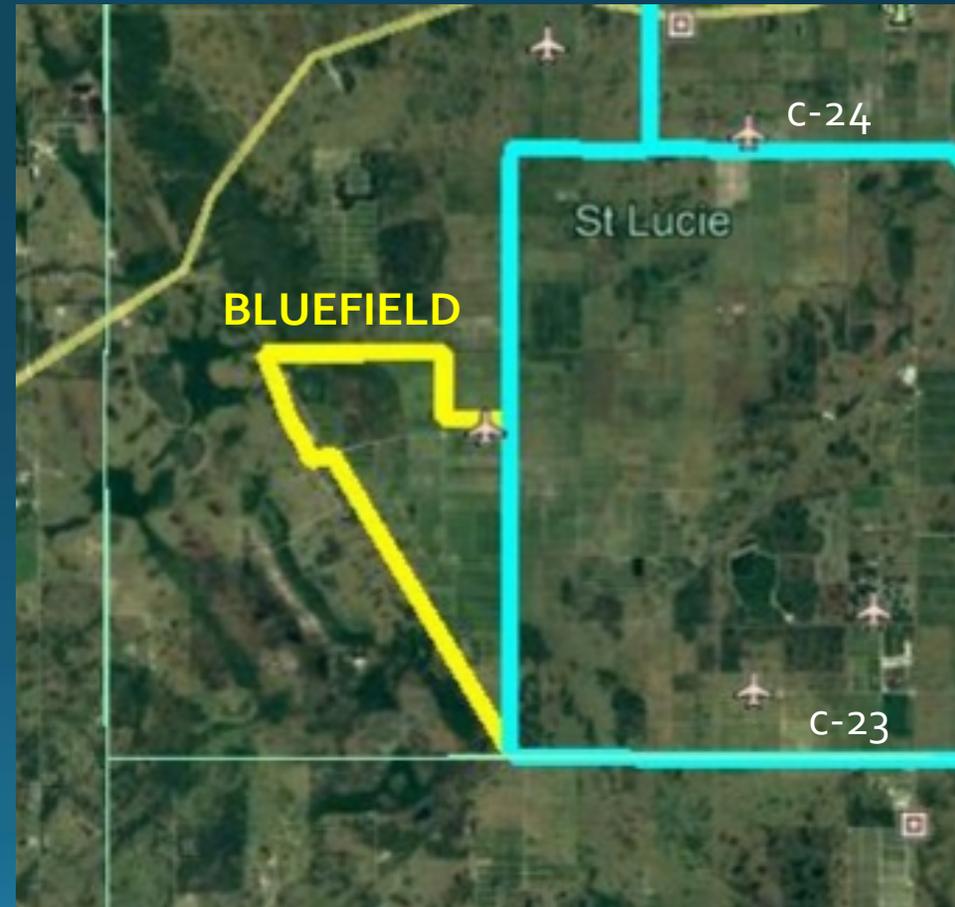
Image Landsat / Copernicus

Data SIO, NOAA, U.S. Navy, NGA, GEBCO

10 mi

Bluefield NE PPP

- Objective: Store on site rainfall and treat excess water pumped from C-23 Canal
- 6,603 acres of former citrus grove
- Five internal cells
- Inflow at 440 acre-feet per day
- Construction completion is estimated prior to 2019 wet season



Scott NE PPP

- Objective: Store on site rainfall and treat excess water pumped from C-25 Canal
- 7,788 acres of former citrus grove
- Four internal cells
- Inflow at 500 acre-feet per day
- Construction completion is estimated prior to 2019 wet season



Bluefield NE PPP Project Benefits and Cost

Benefits

- Significantly reduces the damaging freshwater flow from the C-23 to the St. Lucie estuary and Indian River Lagoon.
- Net annual average water quantity benefit up to 36,517 acre-feet
- Nutrient loads pumped out of C-23 Canal. Estimated annual benefit:
 - total Phosphorus: 7.4 metric tons
 - Total Nitrogen: 54.4 metric tons

Costs

- Construction Period 6-9 months: est. \$2,500,000
 - Funded by SA1590A
- Operation Period (10 years):
Year 1 – 10: \$4,486,000
- Relies solely on future legislative funding

Scott NE PPP Project Benefits and Cost

Benefits

- Significantly reduces the damaging freshwater flow from the C-25 to the Indian River Lagoon.
- Net annual average water quantity benefit up to 39,863 acre-feet
- Nutrient loads pumped out of C-25 Canal. Estimated annual benefit:
 - total Phosphorus: 6.7 metric tons
 - Total Nitrogen: 25.3 metric tons

Costs

- Construction Period 6-9 months: est. \$2,500,000
 - Funded by SA1590A
- Operation Period (10 years):
Year 1 – 10: \$5,894,000
- Relies solely on future legislative funding

Conclusion

Funding for these six projects was provided in the 2016 legislature which authorized “no less than \$47,836,034” of the funds from specific appropriation line 1590A to be used to implement public private partnerships for dispersed water management projects for the Northern Everglades and Estuaries Program. The Bluefield and Scott Projects are the only projects that reduce the damaging freshwater discharges from the local C-23, C-24 and C-25 basins to the St. Lucie Estuary and Indian River Lagoon.