Reviving
THE river of grass

Maps and Land Information

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Graphical Compilation of Land Related Information

- Includes information on project planning limits, parcel ownership, land use, infrastructure and other planning level land related items
- Provides assistance to project teams in formulating proposed project footprints and configurations
- Guide project planning by distinguishing potential cost related impacts based on project location
- Promotes identification of any missing land related information that needs to be considered in project planning
Phase II Planning Boundary

- General area that will be considered for potential project features
- Up to 900k ac-ft storage north of LO (non-site specific)
- Storage, treatment and conveyance features south of LO (site specific)
Parcel Ownership

- Provides a general range of potential land availability
  - High Potential Availability - State and Federal Lands, United States Sugar Corporation Lands
  - Uncertain Availability - Private Lands, Utility Owned Lands, Urban Service Areas Outside of Municipal Boundaries
  - No Availability - Tribal Lands, Lands within Municipal Boundaries, Existing Projects, Projects Under Construction
Acquisition Lands

- Initial purchase of approximately 73,000 acres
  - 33,000 acres of citrus
  - 40,000 acres of sugarcane
- 107,000 acres of option lands
Estimated Land Values

Legend

- Phase II Planning Boundary
- Estimated Land Values
  - $5,000 - $9,500 per acre
  - $5,500 - $8,000 per acre
  - $6,000 - $7,500 per acre
  - $6,500 - $8,000 per acre
  - $7,500 - $12,000 per acre
  - $8,000 - $12,000 per acre
  - $10,000 - $15,000 per acre
  - $15,000 - $35,000 per acre

Land Values are Rough Order of Magnitude Estimates for planning purposes only and DO NOT represent appraised values.

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298 Water Control Districts and Other Special Districts

- Ensure that all remaining lands within a District receive the same level of service with the proposed project configuration
- Provide necessary offsets for maintaining irrigation, flood control, access and any other services the District provides to land owners
Land Information and Relevance

- **Land Use**
  - Evaluate the potential economic impact of changing land use
    - agricultural parcels based on agriculture type and location
  - Assess possible environmental remediation requirements
    - current land use vs. restoration lands
  - Minimize impacts to existing wetlands
    - ensure water supply or drainage of existing wetlands is not compromised by proposed configuration
Florida Land Use and Cover Classification System (FLUCCS)
National Wetlands Inventory
Land Information and Relevance

- Soil Characteristics
  - Soil type and depth can have a significant impact on the ability and cost to construct certain project features
  - Muck soils may need to be removed underneath embankment footprints for structural stability
  - Soil type and depth can have a significant impact on crop yield and ability to sustain long term agricultural production
Topography

- Land contours have a significant influence on ability for water to gravity flow over long distances
- Topographic differences within a project footprint affect available storage
- Depending on the type of feature selected, topography differences are evaluated to determine amount and cost of dirt to be removed
Threatened and Endangered Species Habitat

- Consideration of proposed project location and construction relative to Threatened and Endangered Species
  - Panthers, Rookeries, Caracara, Bald Eagles
  - Potential impacts to the design and location of a proposed configuration depending on Permit Requirements
  - Certain time of year construction requirements resulting in higher capital costs
Panther Habitat, Caracara Nests and Bald Eagle Ranges
Land Information and Relevance

- Canals and Water Control Structures
  - Potentially reduce project costs by locating near existing canals, pump stations, gates, and other water control structures
  - Existing facilities provide a means to control and convey water to and from a new proposed project feature
  - If an existing canal or water control structure needs to be modified, there is a good possibility that the modification can take place within the existing right-of-way and require little or no additional land acquisition
**Existing Infrastructure**

- Considerations for the additional costs to remove, widen, and/or relocate - Roads, Bridges, Railroads, Power Lines, Natural Gas Lines, Communication Towers, Airports, Agriculture Processing Plants
- Widening of canals typically require new and longer bridges
- Relocation of Roads and Railroads can be costly
- High Voltage Transmission Lines can only be relocated during a short time frame every year (weather dependent)
- Federal Aviation Agency (FAA) recommends not constructing a wildlife attractant within 5,000 or 10,000 feet of an airport depending on the type of aircraft using the airport
- Relocating an agricultural processing plant is unlikely and cost prohibitive
Infrastructure

Legend

- Phase II Planning Boundary
- AIRPORT
- HELIPORT
- Communications Towers
- FPL Transmission Lines
- Railroad Lines
- Agricultural Processing Plants (Mills)
- Gas Pipeline Corridor
- Mining Sites
- Inter Modal Options

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