



Lakeside Ranch Stormwater Treatment Area



Structures and features map for LRSTA Phase I and II.
 Note: The remotely operated structures are each constructed of four weir gates and one box culvert.

- ▶ A Stormwater Treatment Area (STA) is a constructed wetland that uses plants to remove excess nutrients and improve water quality.
- ▶ Completing the Lakeside Ranch STA and Pump Station was one of the priority Everglades restoration projects identified by Gov. Ron DeSantis in his Achieving More Now For Florida's Environment Executive Order 19-12.
- ▶ The Stormwater Treatment Area is located in Martin County, and the S-191 Pump Station is located in Okeechobee County.
- ▶ 2,700 acres provide water quality improvements for the basin and Lake Okeechobee
- ▶ LRSTA was done in three phases:
 - North - Phase I
 - South - Phase II
 - S-191A Pump Station - Phase III
- ▶ **PHASE I**
 Completed in July 2012, includes 919 acres of treatment cells, and the 250 CFS inflow Pump Station S-650.
- ▶ **PHASE II**
 Completed in September 2019, with 788 acres of treatment cells.
- ▶ **PHASE III**
 Completed in August 2021, is the S-191A Pump Station.



S-191A Pump Station

The purpose of the Lakeside Ranch Stormwater Treatment Area Project is to divert flow to the LRSTA for treatment from the S-191 sub-basin that would otherwise flow out the S-191 structure to Lake Okeechobee.



Lake Okeechobee



- ▶ The S-191A Pump Station assists the flood control pumping capacity of the S-135 Pump Station.
- ▶ Dry condition flow return to Lakeside Ranch STA is a secondary function of the Pump Station.
- ▶ The Pump Station houses 4 pumps (150 cubic feet per second capacity per pump) for recirculation and flood control.