Dispersed Water Management
Istokpoga Marsh Watershed Improvement District (IMWID)

FYI

Location:	**Highlands County**
Subwatershed:	**Indian Prairie**
Basin:	**C-41**
Purpose:	**Reduce stormwater flows and total phosphorus (TP) load entering Lake Okeechobee coming off of the IMWID secondary conveyance system by storing water in above ground impoundments (AGIs). Water collected in the impoundments would be made available to IMWID for normal water supply.**
Project Operation Start:	**2019 – 2021**
Considerations/Update:	**The IMWID determined that a 60% reduction in average annual flows and a 70% reduction in average annual TP loads was possible via retention of stormwater within several AGIs.** **A cost-share agreement between the SFWMD, IMWID, and Florida Department of Agricultural and Consumer Services (FDACS) was executed in March 2009 to begin implementation of the Project, which is currently comprised of two phases. Phase 1 consists of a 308-acre AGI with 14,200 feet of levee, three (3) axial-flow pumps with a combined capacity of 77 cubic feet per second (CFS), a concrete-flume type overflow structure with a length of 300 feet, and a water control structure with an automatic slide gate. Phase 2 consists of a 401-acre AGI with 17,200 feet of levee, a periphery seepage collection system, two (2) pumps with a combined capacity of 67 CFS, a concrete-flume type overflow structure with a length of 300 feet, and a water control structure with manual sluice gate as well as conveyance improvements to Channel B.** **The SFWMD contributed $8.4 million for land acquisition and Phase 1 construction. The IMWID contributed $4.0 million for Phase 1 design and construction via a Florida Department of Environmental Protection (FDEP) grant. The FDACS contributed nearly $2.0 million for Phase 1 construction and $475,000 for Phase 2 design.** **Land acquisition, design, and permitting is complete for Phase 1 and construction is underway. Operation of Phase 1 should commence in 2019. Land acquisition and design is complete for Phase 2 but permitting and construction of Phase 2 are not complete. A new cost-share agreement between the IMWID and FDACS is planned for completion of Phase 2.** **The project is currently identified in the Lake Okeechobee BMAP.**

Parameter	2011 LOWCP Update	Current Agreement
Project Acreage	**19,209[1]**	**709**
Average Annual TP removal (mt/yr)	**4.5**	**70% reduction in total phosphorus loads**
Average Annual Storage (ac-ft/yr)	**7,800**	**60% reduction in annual flows**
Captial Cost	**$6,279,390**	**Land acquisition[2]: $3,451,908** **Design/Permitting[3]: $853,474** **Construction of Phase 1: $7,545,000** **Construction of Phase 2: TBD**
Annual Cost	**NA**	**NA**

NA: Not available

[1] Includes entire IMWID
[2] Phase 1: $3,451,908; Phase 2: $2,779,640
[3] Phase 1: $414,474; Phase 2: $439,000