

Lemkin Creek Stormwater Improvement Project



Location:	Okeechobee County
Subwatershed:	Taylor Creek/Nubbin Slough
Basin:	S-133
Purpose:	Increase storage and remove phosphorus from stormwater before it enters Lake Okeechobee.
Project Operation Start:	TBD
Considerations/Update:	<p>Approximately 94 acres were acquired by the SFWMD in 2005. Portions of the property have been excavated with trenches and the site was formerly used for a rock mining/filling operation. The SFWMD previously completed engineering review and geo-technical evaluation which documented engineering and design complications related to seepage associated with a deep reservoir. The adjacent property to the south east is a residential trailer park.</p> <p>In 2009 and 2010, the SFWMD, in cooperation with Okeechobee County and the City of Okeechobee, conducted an analysis of three potential project alternatives for this area. The alternatives consisted of a shallow impoundment (alternatives 1 and 2) and a shallow wetland treatment system (alternative 3). Total phosphorus removal estimates ranged from 6 kg/year to 28 kg/yr for alternatives 1 and 2 since they are similar in design and 302 kg/yr to 333 kg/yr for alternative 3. The initial construction cost estimate for project construction ranges from \$3.7 (alternative 1) to \$4.4 million (alternative 3).</p> <p>An updated review of these alternatives would be necessary to assess which alternative provide the most cost effective solution based on basin needs.</p>