

This is a revised form-replaces form #1 of March 1976

Structure Port Mayaca Lock(Lake Okeechobee)		Canal St. Lucie	HAER/CEHR Condition New
State/Province <u>Florida</u> County <u>Martin</u>		Designer(s) Contact-Corps of Engineers	
City/Town <u>Port Mayaca</u>		Contractor/Builder Contact-Corps of Engineers	
Street <u>U.S. #441</u>		Source of Material <u>Local</u>	
Associated Waterway <u>Okeechobee Waterway</u>		DATES OF CONSTRUCTION	
TOPOGRAPHIC MAP		Start <u>1973</u>	Rebuilding <u>Doubtful</u>
UTM Coordinates <u>Maps not available</u>		Completion <u>May 1977</u>	Abandoned <u>No</u>
History & Use in Service; Use Since Abandonment: This is a new lock under construction, it is expected to be completed(structurally)in May 1977. It is now 99% complete and has been operational since May 1976 for navigation and flood control. The contour of the Hoover Dike at this site has been altered, thereby it has created a(bulge) so to speak at the west end of the lock. The lock now lays between U.S. #441 and the Hoover Dike, with access off U.S. #441. The purpose of this structure and spillway is to permit the raising of the water level in Lake Okeechobee, thereby retaining all fresh water possible for drinking, agriculture & navigation purposes. Also to provide protection against flooding disasters that formerly occurred before the Hoover Dike was built. Being in a hurricane pron^e area it offers better security than ever.			
Description (Visible Remains at the site): This lock is 400 ft. long between gates, 56 ft. wide, concrete construction reinforced with steel. Both sills set at 3.5 ft. to provide a depth of 14.0 ft. at a low water stage of 10.5 ft. Gates are of steel framing(welded) and skin plates on convex side facing lake. The spillway is of steel & concrete construction, has 4 bays with vertical lift gates 29 ft. wide by 19.9 ft. high. These are manually operated. A surge basin has been provided between the Hoover Dike & U.S.#441 to relieve the pressure from fast flowing water before entering the St. Lucie Canal east of lock.(A precaution in case of high water in the lake at some future time.) This lock & the W.P. Franklin lock at Olga are of the same size. Original contract \$13,413,914. Total estimated cost of project \$16,000,000			
Other works or events associated with site: Public facilities at this site anticipated to be completed in FY 78-79. Which will consist of recreational facilities such as bank fishing, fish pier, picnic shelters, restrooms, over-lock area and parking for autos. Hopefully under joint sharing with the Corps of Engineers & Central-Southern Florida Flood Control District.			
Present Property Owners: Federal Government		Location of Deed Description: Check-Canal Authority State of Fla.	
Bibliography (Published, unpublished mss, maps, photographs): U.S. Army Corps of Engineers(Jacksonville Dist) P.O.Box #4970 Jacksonville, Florida 32201			
Due credit goes to this agency for their assistance, also for the air photo of this new lock and spillway as of 3/12/77.			
Agencies, Individuals Interested in Preservation/Restoration: Corps of Engineers (Central & Southern Florida Flood Control Dist.) Florida Water Management Commission		National Register/CEHR, Other Recognition: ?	
Investigation made by: Alden W. Gould (ACS) Address: 5558 Palm Beach Blvd. #114, Fort Myers, Florida 33905			Date: March 1977
RETURN TO: Peter Stott			

A sketch map or illustration of the site should be included on the reverse.