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

Structure
Port Mayaca Lock (Lake Okeechobee)
State/Province Florida  County Martin
City/Town Port Mayaca
Street U.S. #441
Associated Waterway Okeechobee Waterway

TOPOGRAPHIC MAP  Maps not available
UTH Coordinates

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. #41 and the Hoover Dike, with access off U.S. #41. 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 and navigation purposes. Also to protect against flooding disasters that formerly occurred before the Hoover Dike was built. Being in a hurricane prone 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. #41 to relieve 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 Olgia are of the same size. Original contract $1,413,914. Total estimated cost of project $1,000,000

Comp. Projects: Other works or events associated with site:

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

Investigation made by:
Alden W. Gould (ACS)
Address: 5558 Palm Beach Blvd. #114, Fort Myers, Florida 33905

RETURN TO: Peter Stott

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