

STRUCTURE S-336

This structure is a triple-barreled, corrugated metal pipe culvert, located on the Tamiami Canal immediately east of the junction of the L-30 and L-31N canals, about 20 miles west of Miami. Control is effected by manually operated sluice gates mounted on a reinforced concrete frame erected on the upstream or west end of the structure.

PURPOSE

This structure permits supplemental deliveries from Conservation Area 3 to supply water needs in eastern Dade County via the L-30 or L-29 canals. It also can be used to discharge excess water from Conservation Area 3A when capacity is available in the Tamiami Canal.

OPERATION

This structure is operated to make supplemental deliveries to East Dade County. Such releases are initiated when the headwater stage at either S-25B or S-22 falls below the optimum stage of 2.0 during dry periods.

The structure may also be used to make flood releases when downstream conditions will not be aggravated. (When the stage at T-5, the junction of C-4 and C-2, is less than 3.0.)

FLOOD DISCHARGE CHARACTERISTICS

	<u>Design</u>
Discharge rate	<u>145</u> cfs
	* <u> </u> % of SPF
Headwater Elevation	<u>4.7</u> feet
Tailwater Elevation	<u>4.2</u> feet
Type Discharge	<u>Controlled submerged</u>

*Design flow not related to Standard Project Flood

DESCRIPTION OF STRUCTURE

Type Corrugated metal pipe culverts with upstream control

Number of barrels:	<u>3</u>
Size of barrels:	<u>54 inches</u>
Length of barrels:	<u>85</u>
Flow Line elevation	<u>-1.8 feet</u>

Service bridge elevation 10.0 feet

Gates:

Number 3

Type: Slide gates

Size: 54 inch diameter

Control: manual

Lifting Mechanism:

Type hoist Pedestal mounted, Type U, manually operated

Date of Transfer: December 15, 1978

ACCESS: Structure located adjacent to U.S. Highway 41

HYDRAULIC & HYDROLOGIC MEASUREMENTS

Water Level: On-site upstream and downstream staff gauges. Recorder about 1800' upstream from structure (tailwater of S-334).

Gate Position Recorder: None

DEWATERING FACILITIES: (Per gate) None