

STRUCTURE 338

This structure is a double-barreled, corrugated metal pipe culvert, located at the point where C-1 crosses Krome Avenue, about 12 miles north of Homestead. Control is effected by electric gear driven sluice gates mounted on a steel frame erected on the upstream end of the structure.

PURPOSE

This structure provides a means of making water supply releases during dry periods. It also provides flood control releases from the area between Krome Avenue and L-31N and north of S-331.

OPERATION

A supplemental water transfer to Eastern Dade County from Conservation Area 3 is initiated when the headwater stage at S-148 drops below 3.5. Based on IOP, S-338 will be operated according to its headwater stage.

No WCA-3A Regulatory Releases to SDCS or Shark Slough		WCA-3A Regulatory Releases to SDCS	
Open	5.8	Open	5.8
Close	5.5	Close	5.4

DISCHARGE CHARACTERISTICS

	Design	Water Supply
Discharge Rate	<u>170</u> cfs	<u>305</u> cfs
	<u>40</u> %SPF	
Headwater Elevation	<u>6.10</u> feet	<u>3.5</u> feet
Tailwater Elevation	<u>5.91</u> feet	<u>3.0</u> feet
Type Discharge	Uncontrolled <u>submerged</u>	Uncontrolled <u>submerged</u>

DESCRIPTION OF STRUCTURE

Type	<u>corrugated metal pipe culverts with upstream control</u>
Number of Barrels	<u>2</u>
Size of Barrels	<u>84 inches</u>
Length of Barrels	<u>85 feet</u>
Flow Line Elevation	<u>-4.5</u>

Service Bridge Elevation 8.0

Gates

Number 2

Type Slide gates

Size 84 inch square

Control Manual and Remote

Lifting Mechanism

Type Hoist Pedestal mounted, Type U, electric gear driven

Normal Power Source L.P. gas driven generator

Date of Transfer: April 20, 1979

ACCESS: Structure located adjacent to Krome Avenue.

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level Upstream and downstream staff gauges and remote digital recorder

Gate Position Recorder remote digital recorder

DEWATERING FACILITIES (per gate) none