

## STRUCTURE 194

This structure is a double-barreled reinforced concrete pipe culvert, located on Canal 102 at Krome Avenue about 7 miles north of Homestead. Control is effected by manually operated sluice gates mounted on a reinforced concrete head structure.

### PURPOSE

This structure is installed as a drainage divide structure and as a control for stages in C-102 to the west. It is sized to permit limited runoff to the east when capacity is available and to provide a supplemental supply during the dry period.

### OPERATION

Based on IOP, the structure is operated according to its headwater stage:

No WCA-3A Regulatory Releases to SDCS or Shark Slough	WCA-3A Regulatory Releases to SDCS
Open 5.5	Open 4.9
Close 4.8	Close 4.5

### FLOOD DISCHARGE CHARACTERISTICS

	Design
Discharge Rate	<u>190</u> cfs
	* <u>    </u> % SPF
Headwater Elevation	<u>3.9</u> feet
Tailwater Elevation	<u>3.7</u> feet
Type Discharge	uncontrolled <u>submerged</u>

\*Design not related to standard project flood

### DESCRIPTION OF STRUCTURE

Type reinforced concrete pipe culvert

Number of barrels 2

Size of barrels 84"

Length of barrels 90 feet

Flow line elevation -2.5 to -3.5

Service bridge elevation 15.5

Water level which will bypass structure 9.4 feet

Gates

Number 2

Type slide gate

Size 84" X 84"

Control manual

Lifting mechanism - pedestal mounted hand wheel and screw stem lift

Date of Transfer: September 15, 1966

**ACCESS:** Structure located on Krome Avenue

**HYDRAULIC AND HYDROLOGIC MEASUREMENTS**

Water Level Staff gauges only

Gate Position Recorder None