

## STRUCTURE 142

This structure is a double-barreled, reinforced metal pipe culvert, located at L-38W between the North New River and Conservation Area #3A, about 20 miles west of Fort Lauderdale, at Andytown. Control is effected by two manually operated sluice gates mounted on a reinforced concrete head structure.

### PURPOSE

This structure permits release of water from Conservation Area 3A to supply water needs along the North New River Canal during the dry season. It also can be used to discharge excess water from Conservation Area 3A when capacity is available in the North New River Canal. The structures can release water from G-123 to WCA 3A.

### OPERATION

This structure is manually operated under either flood or normal conditions.

#### Flood Conditions

The gates of this structure are opened whenever:

1. Excess storage is present in Conservation Area 3A prior to hurricane season; that is, when the stage in Conservation Area 3A is above the Regulation Schedule, as measured from the average of gauges 63, 64, and 65.
2. The tailwater elevation at S-34 will not exceed 6.0 feet.

#### Normal Conditions

When operations are not required under Flood Conditions, releases shall be made in conjunction with releases from S-141 and 143, as necessary, to supply downstream water requirements so as to maintain an optimum stage at G-54, between elevation 3.5 and 4.5.

The gate at the structure can be opened for flood control or water supply when G-123 is in operation.

### FLOOD\* DISCHARGE CHARACTERISTICS

	Design
Discharge Rate	<u>500</u> cfs
	* <u>      </u> % SPF

