

STRUCTURE 34

This structure is a double-barreled corrugated metal pipe culvert, located at the point where L-37 crosses the North New River, about 20 miles west of Ft. 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 2A or 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 2A, 3A and/or 2B when capacity is available in the North New River Canal and when the water is not needed in Conservation Area 3.

OPERATION

This structure is manually operated under either flood or normal conditions. The structure is operated together with S-141, S-142 or S-143.

FLOOD CONDITIONS

The gates of this structure are opened whenever:

1. Excess storage is present in Conservation Area 2A and/or 2B prior to hurricane season; that is, when the stage in Conservation Area 2A is above the Regulation Schedule.
2. The excess water in Conservation Area 2A is not needed in Conservation Area 3.
3. The tailwater elevation will not exceed 6.0 feet.
4. Water Conservation Area 3A is above the regulation schedule.

NORMAL CONDITIONS

When operations are not required under Flood Conditions, releases shall be made, as necessary, to supply downstream water requirements so as to maintain an optimum stage at Sewell's Lock, between elevation 3.5 and 4.5.

FLOOD DISCHARGE CHARACTERISTICS

	Design	Standard Project Flood
Discharge Rate	<u>450</u> cfs * <u> </u> % of SPF	<u> </u> cfs <u> </u> % of SPF
Headwater Elevation	<u>10.0</u> feet	<u> </u> feet
Tailwater Elevation	<u>6.0</u> feet	<u> </u> feet

