

STRUCTURE 38C

This structure is a double-barreled, corrugated metal pipe culvert, located in the L-36 borrow canal on the east perimeter of Conservation Area #2, just south of C-14 and about 13 miles west of Pompano Beach. Control is effected by flashboards in a CMP riser pipe on the upstream or north end of the structure.

PURPOSE

This structure permits release of water into the areas served by Canal 13.

OPERATION

This structure is manually operated when water is available to assist in meeting downstream water requirements as required

FLOOD DISCHARGE CHARACTERISTICS

| | Design |
|---------------------|---|
| Discharge Rate | <u>unknown</u> c.f.s. * <u> </u> % of SPF |
| Headwater Elevation | <u>unknown</u> feet |
| Tailwater Elevation | <u>unknown</u> feet |
| Type Discharge | <u>unknown</u> |

*Design flow not related to Standard Project Flood

DESCRIPTION OF STRUCTURE

| | |
|---|--|
| Type | <u>corrugated metal pipe culvert</u> |
| Number of barrels | <u>2</u> |
| Size of barrels | <u>72 inch diameter</u> |
| Length of barrels | <u>35 feet</u> |
| Flow line elevation | <u>1.55 feet</u> |
| Service bridge elevation | <u>9.55 feet</u> |
| Water level which will bypass structure | <u>13.62 feet</u> |
| Control | <u>Discharge is controlled by stoplogs placed in a CMP riser pipe on the north end of the structure.</u> |

Riser Pipe

Top Elevation 10.0

Diameter 90"

Stop Logs

Number per barrel 5 (in each of two bays)

Size 3" X 8" X 7' 6"

Top of Board Elevation determination measured down from reference
elevation of 10.7 feet

Elevation of control weir

All boards removed 3.0

All boards in place 7.0

NOTE: Above values of control weir elevation are theoretical. Use actual measurements.

DATE OF TRANSFER: _____

ACCESS Sawgrass Expressway and Atlantic Boulevard, south of S-38.

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level upstream and downstream remote, digital recorders

Gate Position Recorder None

DEWATERING FACILITIES (per barrel) - None