

STRUCTURE 9XS

This structure is a double-barreled, corrugated metal pipe culvert, located in the borrow pit of L-33 just south of Canal 11 (the South New River Canal) about 20 miles west of Fort Lauderdale. Control is effected by stop logs placed in a metal frame on the upstream end of the structure.

PURPOSE

This structure functions together with G-86S to control water stages between L-33 and U.S. Highway #27. Such stage control in turn reduces the seepage under Levee 33 from Conservation Area #3B.

OPERATION

Normally, the stop logs shall be set to a crest elevation of 6.0 feet. When flood conditions in the C-11 basin are not present, the stop logs may be removed when the headwater of 7.0 is exceeded at S-9XS.

FLOOD DISCHARGE CHARACTERISTICS

There is no design discharge for this structure.

DESCRIPTION OF STRUCTURE

Type: corrugated metal pipe culvert with upstream control

Number of barrels: 2

Size of barrels: 72 inch

Length of barrels: 42 ft.

Flow line elevation: -1.0 feet

Service bridge elevation: feet 9.8 msl

Water Level which will by-pass structure: feet 9.1

Control: Discharge is controlled by stop logs placed in CMP riser pipes on the south end of the structure.

Riser Pipes: Diameter of Pipes 78"
Top of Riser Elevation 8.76

Stop Logs: Number per culvert: 11
 Size: 74½"x2½"x7½"
Reference Elevation: 9.45 East Culvert (Top of Channel beam)
 9.62 West Culvert (Top of Channel beam)

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level: Upstream and Downstream staff gauges