

PARADISE RUN CULVERT G-33

This structure is a single-barrel culvert located through L-48, about 7 miles west of Okeechobee. Control is by a submersible gate mounted on a concrete box inlet structure.

PURPOSE

This structure releases water from the Paradise Run of the old Kissimmee River into C-38. A down stream flap valve prevents back flow from Lake Okeechobee during excessive stages in the lake caused by flood or wind tide.

OPERATION

This gate is open full during hurricane alerts in order to pass the maximum discharge possible.

FLOOD DISCHARGE

Design

Discharge Rate: indeterminate CFS
_____ % of SPF

Headwater Elevation: _____ feet

Tail water Elevation: _____ feet

Type Discharge: control submerged

DESCRIPTION OF STRUCTURE

Type: Culvert

Number of barrels: 1

Diameter of barrel: 72 inches

Lengths of Barrel: _____ feet

Flow Line Elevation: _____ feet

Service Bridge Elevation: 22 feet

Water level which will by pass structure: _____ feet

Inlet

Type: concrete box

Width: 8 feet

Height: 18.00 feet

Sill Elevation: _____ feet

Invert Elevation: 6.0 feet

Control Gate

Number: 1

Type: vertical lift gate

Size: 7.5 high X 9' wide

Control: manual

Lifting Mechanism: hand operated, pedestal mounted lift

Top elevation of gate, full open: 20.00 feet

Top elevation of gate, full closed: 13.50 feet

Maximum gate open: 6.50 feet

ACCESS: From Okeechobee Field Station on SR 70 west to 441 then south to SR 78 cross Kissimmee River Bridge turn right to L-48 dike then six miles.

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level: up steam and down stream staff gauge only.

Gate Position Recorded: none

DEWATERING FACILITY:

none