

## LAKE OKEECHOBEE CULVERT 10

This structure is a double barreled corrugated culvert located between S-352 and S-351 through LD-2 Levee. Control is effected by flap gate located on the Lake Okeechobee side of the structure.

### PURPOSE

This structure provides flood control and irrigation water for East Beach Drainage District.

### OPERATION

The structure is operated by the Corps of Engineers' Clewiston office. East Beach Drainage District has a pumping station connecting to this structure through a short canal. For drainage, water is pumped into Lake Okeechobee through the canal and this structure. The flap gates prevent water from the Lake backing into the canal. For irrigation releases from Lake Okeechobee, the flap gate can be lifted manually to release water to the pumping station. Water can be discharged through the trough or the pump in the pumping station. The trough discharge capacity is 4.7 acre-feet per hour at lake stage 12.5 feet and the pumping capacity of each pump is 8.3 acre-feet per hour as measured on December 13, 1989.

### DESCRIPTION OF STRUCTURE

Type: Corrugated metal culvert with lake side control

Number of Barrels: 2

Size of Barrels: 10 feet diameter

Net Length: 110 feet

Flowing Elevation: 5.5 feet

Service Bridge Elevation:

Water level which will by-pass structure: 34 feet

Gates

Number: 2

Type: flap gate

Size: 120 inches diameter

Control: Manually lifted by crane when head differential  
is less than 1 foot

**ACCESS:** Structure is located on Levee LD-2 between S-352 and S-351

**HYDRAULIC AND HYDROLOGIC MEASUREMENTS**

Water Level: Upstream and downstream staff gauge.

Rain Gauge: None