

## LYKES BROTHERS STRUCTURE

G-85

This structure consists of a flashboard controlled, ten-bay, sheet pile spillway, located on the Istokpoga Canal, between Lake Istokpoga and the Kissimmee River.

### PURPOSE

This structure provides an auxiliary outlet control for Lake Istokpoga.

### OPERATION

This structure is operated very infrequently by manipulation of the flashboards. Normally, all flashboards are in place. Boards are removed when S-68 and/or the structures below S-68 are incapable of maintaining the Lake Istokpoga regulation schedule either because of maintenance operations or because of an unusually large inflow to the lake.

### FLOOD DISCHARGE CHARACTERISTICS

Indefinite

### DESCRIPTION OF STRUCTURE

Type: Sheet pile weir with reinforced concrete crest and ten flashboard controlled bays.

Flashboard Structure

Weir Crest

Net Length 100 feet

Elevation 31.0 feet (top of 4" X 6" mud sill)

Service Bridge Elevations 42.0 feet

Control: Manually placed flashboards, level of which is measured from a referenced elevation of 42.1 at top of H beams. Crest elevation with all boards in place, about 39.5.

Water level which will by-pass structure about 42.0

Flashboards

Length 10' -0"

Height 6"

Width                      4"  
Number per bay         18

**ACCESS:**     The structure is reached from State Road 621 via about 1¼ miles of  
unimproved access road on the right (south) bank of the Istokpoga Canal.

**HYDRAULIC AND HYDROLOGIC MEASUREMENTS**

Water Level                      Upstream and downstream staff gauge  
Gate Position Recorders       None  
Other     Tabular record of flashboard measurements

**DEWATERING FACILITIES**     None