

**MOSQUITO CREEK STRUCTURE
G-106**

This structure is a single barreled, corrugated metal pipe culvert, located at the point where L-63N crosses Mosquito Creek, about 2 miles east of Okeechobee. Control is effected by a manually operated sluice gate mounted on a wooden frame erected on the upstream end of the structure.

PURPOSE

This structure permits release of water from the L-63N borrow canal to supply water needs in the lower reach of Mosquito Creek.

OPERATION

This structure will be opened only in response to dry conditions in the portion of Mosquito Creek just downstream from L-63N. The structure will normally be closed.

FLOOD DISCHARGE CHARACTERISTICS

Structure not designed for flood discharge.

DESCRIPTION OF STRUCTURE

Type:	<u>Corrugated metal pipe culvert with upstream control</u>
Number of barrels	<u>1</u>
Size of barrels	<u>36 inch</u>
Length of barrels	<u>90 feet</u>
Flow line elevation	<u>15.0 feet</u>
Service bridge elevation	<u>29.0 feet</u>
Gates	
Number	<u>1</u>
Type	<u>Slide gate</u>
Size	<u>36 inch square</u>
Control	<u>Manual</u>
Lifting Mechanism	
	<u>Type hoist - Pedestal mounted, Type U, manually operated</u>

ACCESS From the SR 710 crossing of L-63N borrow canal via about 1½ miles of the berm on the west and south side of the L-63N borrow canal.

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level Upstream and downstream staff gauges only

Gate Position Recorder None

DEWATERING FACILITIES (per gate) None