

STRUCTURE G-338

Structures G-338 is situated in the Supply Canal of STA-2, approximately 400 ft. downstream of Pump Station S-6 and is connected to the Hillsboro Canal via a short spur canal. G-338 may be operated to achieve multiple purposes:

1. To facilitate water supply delivery to downstream water users;
2. During dry weather conditions, water may be released from WCA-1 into the STA-2 Supply Canal for use by STA-2 and farming interests upstream of G-328; and
3. During extreme storm events, flows from S-6 may be diverted from STA-2 through G-338 to the Hillsboro Canal.

OPERATION

G-338 can be operated manually or remotely via telemetry from the District's Operations Control Center in West Palm Beach.

FLOOD DISCHARGE CHARACTERISTICS

	<u>Design</u>
Discharge Rate:	975 cfs
Headwater Elevation:	
High Water Level (HWE)	18.20 ft. NGVD
Low Water Level (LWE)	12.00 ft. NGVD
Tailwater Elevation:	
High Water Level (HWE)	12.00 ft. NGVD
Low Water Level (LWE)	11.00 ft. NGVD
Type Discharge:	controlled submerged

DESCRIPTION OF STRUCTURE

Structure: Concrete Box Culvert

Invert Elevation: 7.00 ft. NGVD

Net Length: 52.0 feet

Number of gates: 1

Gate Width x Height: 14.0 ft. x 12.0 ft.

Service Road elevation: 21.0 ft. NGVD

Date Acceptance into Service: June 1999

ACCESS: Access to G-338 from S-6 is along the East levee of the Supply Canal. The structure is 400 ft. south of S-6.

HYDRAULIC AND HYDROLOGIC MEASUREMENTS

Water Level: Telemetry available for headwater/tailwater and calculated flow. Headwater/tailwater staff gauges are available for local monitoring.

Gate Position Recorder: YES

DEWATERING FACILITIES (per gate): Needles and needle beams will be used upstream and downstream of the vertical lift gates to permit dewatering for both maintenance and for an emergency temporary closure should it be necessary to remove a gate.