

## STRUCTURE 122

This structure is a double-barreled, reinforced concrete pipe culvert, located on Canal 100B at Franjo Road on the south outskirts of the town of Perrine. Control is effected by two manually operated sluice gates mounted on a reinforced concrete head structure.

### PURPOSE

This structure divides the drainage areas of C-1 and C-100B and provides for diversion of water when available for salinity and water control.

### OPERATION

Although no specific operating criteria are developed, certain general principles are followed in either the flood or low-water conditions as follows:

#### Flood Conditions

The two gates will be closed when releases would aggravate flood conditions, thus preventing flow from the C-1 drainage area from entering the C-100B drainage area.

#### Low-Water Conditions

During low-water conditions, minimum releases will be made, when water is available, to meet irrigation and salinity repulsion requirements in the C-100B drainage area. The maximum of such releases will be 200 c.f.s.

### FLOOD\* DISCHARGE CHARACTERISTICS

	Design	Standard Project Flood
Discharge Rate	<u>200</u> cfs	<u>          </u> cfs
	<u>  </u> % SPF	<u>100</u> % SPF
Headwater Elevation	<u>2.5</u> feet	<u>          </u> feet
Tailwater Elevation	<u>2.0</u> feet	<u>          </u> feet
Type Discharge	<u>          </u>	<u>          </u>

\*The design of this structure is based on regulated discharges for water supply and salinity control and is not related to flood control.

### DESCRIPTION OF STRUCTURE

Type	<u>reinforced concrete culverts with upstream control</u>
Number of barrels	<u>2</u>

Size of barrels 72 inches  
Length of barrels 60 feet  
Flow line elevation -3.0 feet  
Service bridge elevation 13.0 feet  
Water surface elevation which will by-pass structure 8.0 feet

Gates

Number 2  
Type sluice  
Size 72 inch diameter  
Control Manual  
Lifting Mechanism pedestal mounted, type U, manually operated

Date of Transfer: May 10, 1965

**ACCESS:** Structure on Franjo Road

**HYDRAULIC AND HYDROLOGIC MEASUREMENTS**

Water Level Staff gauges only upstream and downstream

Gate Position Recorder None

Other \_\_\_\_\_

**DEWATERING FACILITIES** (per barrel) None