

Caribbean Environmental Protection Division

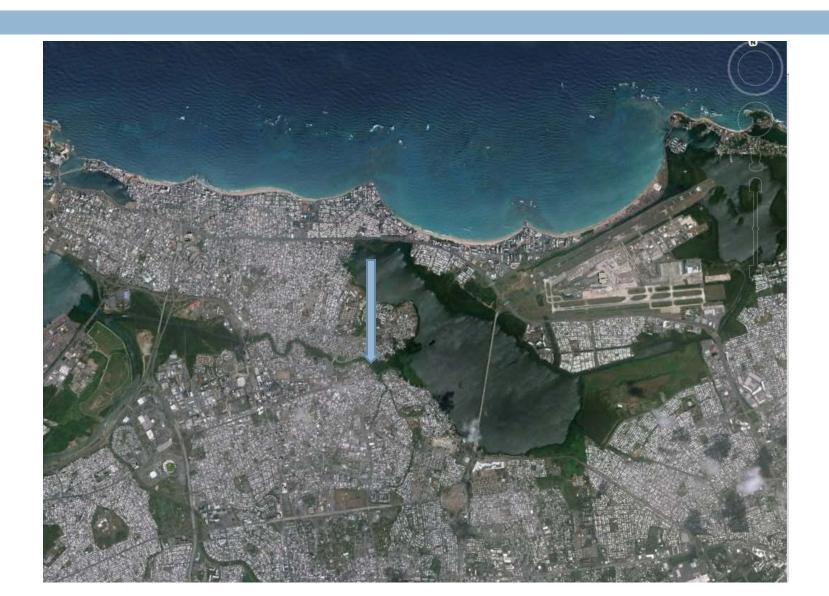
Multimedia Permits and Compliance Branch

Background



- Martín Peña Channel is located within the San Juan Bay watershed which is one of the 28 EPA National Estuary Programs.
- It is a 3.75 miles long tidal channel connecting San Juan Bay and San José Lagoon in San Juan, Puerto Rico.
- The channel was a major waterway, and was used for commerce and the transport of goods up to the 1920's.

Martín Peña Channel



Northeast to the area / LMM International Airport receives 9.2 million travelers per year

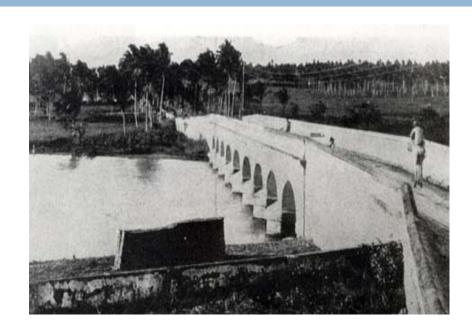


San Juan Bay is located to the west of the area. 1.2 million tourists through 700 annual cruise ships



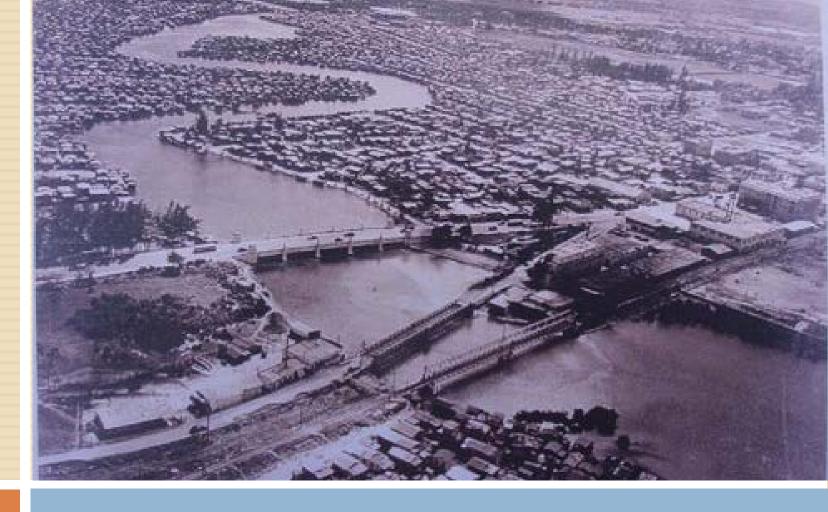
Degradation of Martín Peña Channel

- As a result of the great depression, many islanders moved to San Juan in the 1930s searching for a better quality of life.
- During this period of mass migration, squatters began colonizing the wetlands associated with Martín Peña Channel with no planning or government intervention.
- Using refuse and other debris, the squatters filled the channel in order to gain land to establish their homes. Non-residents also used the area as a dumpsite.



1898 – Martín Peña Bridge, facing north



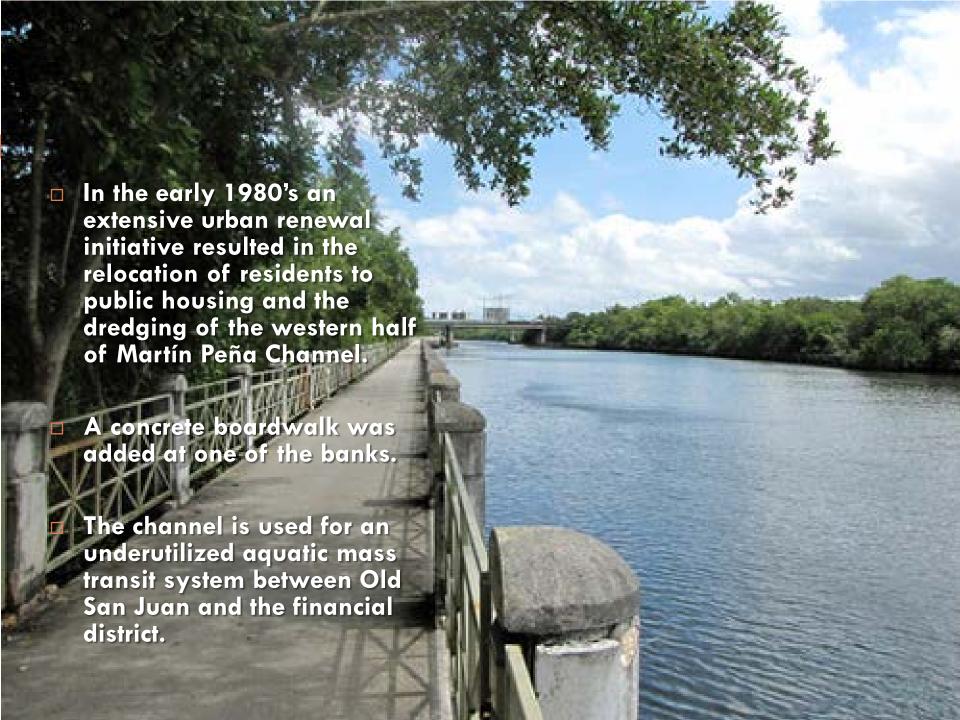












At present...

- The eastern portion of Martín Peña has been reduced to a width of 2-3 feet and a depth of a few inches at some sections.
- 8 disadvantaged communities surround Martín Peña Channel.
- 28,300 persons/square mile.
- 48% of residents reached ninth grade.
- ullet 65% of households live under the poverty level.
- 25% unemployment rate.
- ullet 39% of households report 1-20 occurrences of flooding within a one year period.

Current situation





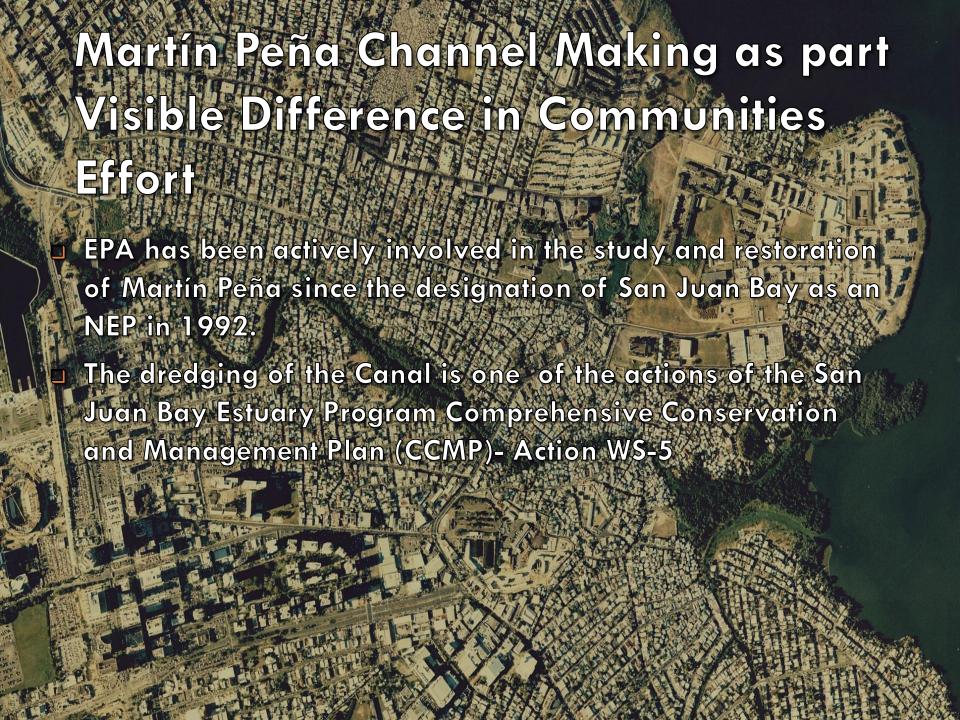
Challenges

- The blockage of Martín Peña Channel is a severe disruption to the natural water flow within the San Juan Bay Estuary ecosystem.
- En estimated 3,000 structures discharge raw sewage into the channel through direct pipes or through the combined storm sewer system.
- High coliform bacteria levels, PCB's, mercury, lead and other contaminants have been detected in the area.
- Frequent flooding exposes residents of the area to the contaminated waters and sediments.









Martín Peña Dredging & Redevelopment Plan

According to Proyecto ENLACE's plan.



