

San Juan Bay Estuary Program Urban Waters Conference, DC, 2016

San Juan Bay: NEP





Population: 3.6 million, more than:

Wyoming Rhode Island

DC Hawaii

Vermont Maine

North Dakota New Hampshire

Alaska Idaho

South Dakota Nebraska

Delaware West Virginia

Montana New Mexico

Iowa Nevada

Connecticut Utah

Oklahoma Kansas

Oregon Mississippi

Basic info

- US territory since 1898
- US citizens since 1917
- Compulsory military service PR has participated in all US wars and military interventions.
- US currency
- Can't vote for the President or Congress representatives/senators
- Since 1952 PR has its own constitution under a political formula named "Free Associated State" of the US.
- Current debt: 72 billion dollars, mostly due to vulture funds interests of up to 700%

LOCATION





WATERSHED

3,400 acres/ 16.5 miles of coast





The San Juan Bay receives 80% of all products imported to PR



San Juan's shipping container volume is greater than the combined cargo volume of Guam, Alaska, and the Hawaiian Islands



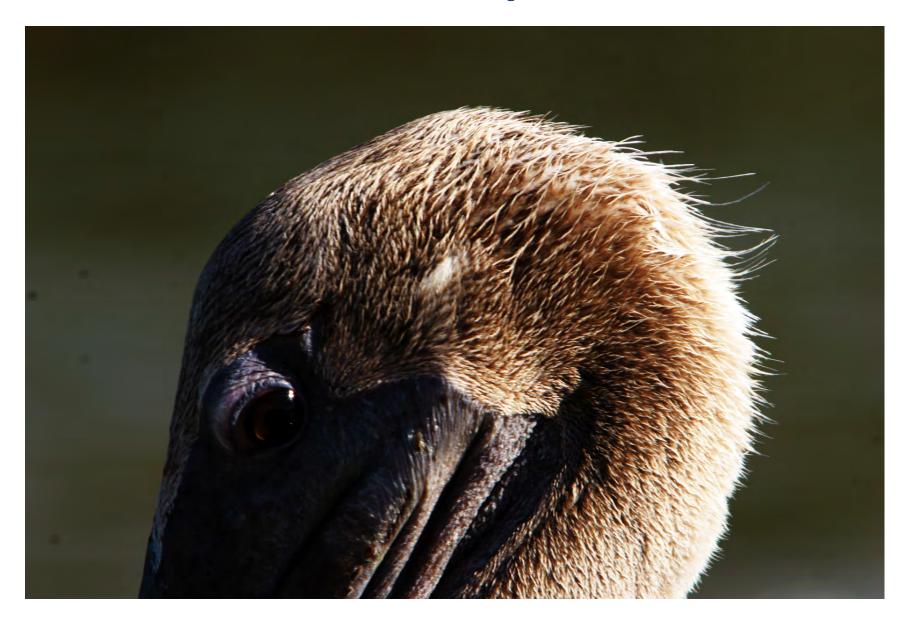
9.2 million travelers per year/ LMM International Airport



1.2 million tourists through 700 annual cruise ships



160 bird species



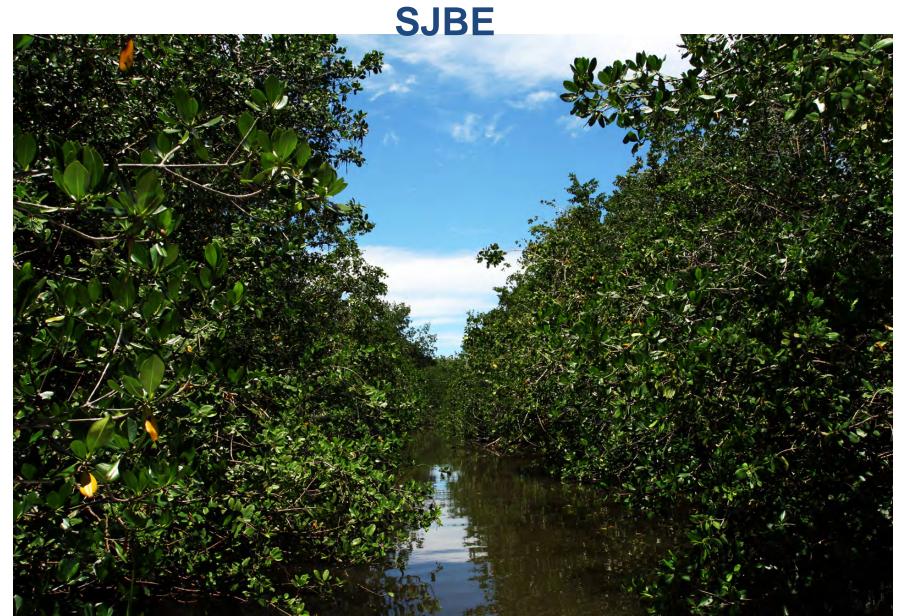
124 fish species



300 wetland plant species



33% of the Island's remaining mangrove acreage – located at the



Several species in danger of extintion

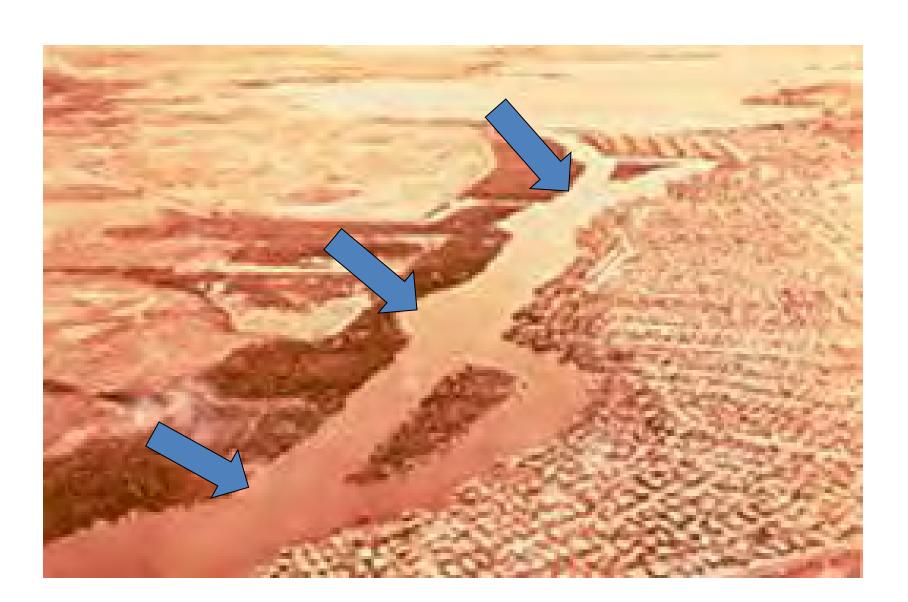




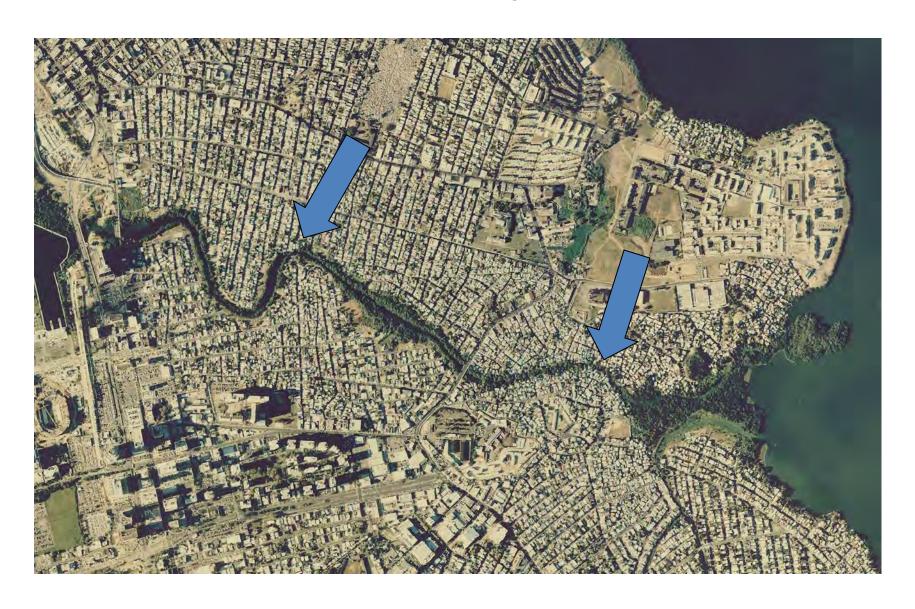
East Martín Peña Channel 1936



Martín Peña Channel 1940



Martin Peña Channel 2000's: from 200 feet width to soil at some points





Frequent floods with raw and stormwater sewage.





Martin Peña Urban Waters Ambassador since March 2015

- The general cost of the dredging and rehabilitation project is of \$722 M
- Connect federal and state agencies with local communities to search for funds.
- Developed a Zika prevention campaign in the community.
- Partnership with SBA to develop small businesses.

Martin Peña after dredging



Projects to connect people with urban waters

#1: Citizen science project: Water quality monthly monitoring

de la Bahía de San Juan







Projects to connect people with urban waters

#2: Citizen science project: School-based water quality monitoring program









Projects to connect people with urban waters

#3: Puerto Rico Water Quality Monitoring Day

















PR's Water Quality Monitoring Daycoordinated by the SJBEP

#4:



Coral reef trail at the Condado Lagoon



DEPLOYMENT: 245 structures-800lbs each-



DEPLOYMENT



Underwater trail creation







Condado Lagoon underwater trail location













#5:Large-scale pubic educational exhibit located at places of high transit

















#6: Community-based red mangrove planting













#7: Trash Free Waters

















Projects to connect people with urban waters

#8: Education program and classical music workshops in schools



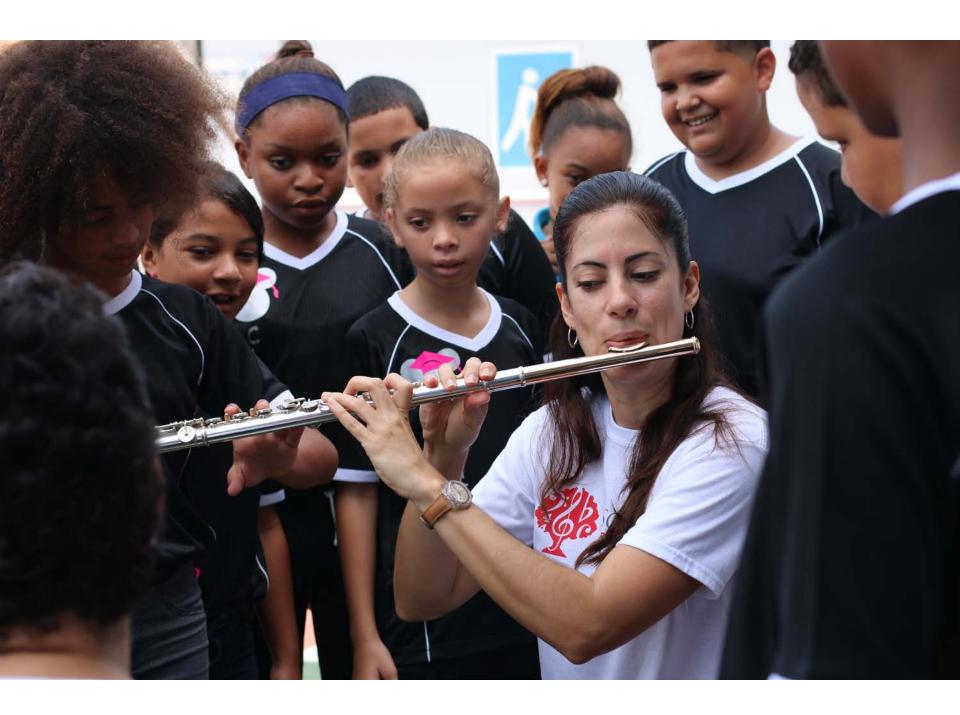














Projects to connect people with urban waters

#9: Estuary Cinema-Open air screenings in parks and communities





Thank you!





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