

FACT SHEET
Rio Anton Ruiz Restoration, PR (1135)
Construction (C)
Congressional District: Puerto Rico

1. DESCRIPTION

This study is authorized by Section 1135, of the 1990 Water Resources Development Act. Río Antón Ruiz is located in the Municipality of Humacao on the southeast coast of Puerto Rico. The project area includes a brackish lagoon system and forested swamp in the Humacao Natural Reserve (HNR). Six lagoons, encompassing approximately 615 acres (249 hectares), compose the system: Mandri 1, 2 and 3; Santa Teresa 1 and 2; and Palmas. The Mandri Lagoons and the low coastal flood plain serve as detention areas during floods. The coastal communities of Punta Santiago, Verde Mar, and Villa Palmira are the main populated areas within the watershed. As an initial effort to address the salinity problem in the HNR lagoon system, a series of temporary saltwater intrusion measures were developed in the 2001 Rio Anton Ruiz Flood Control Project Saltwater Intrusion Measures (SWIM) Report. Two temporary SWIM plugs were installed at the end of March 2007 (Figure 6). After installation of the SWIMs, salinity levels measured at the stations ranged from approximately 0.1 to 7.0 ppt. At the end of 2008, salinity levels increased at most of the stations, and in several monitoring events they exceeded 10 ppt concentrations. The salinity levels are increasing because the sand bags/plugs have deteriorated over time and are allowing saltwater intrusion into the lagoon system. These plugs were temporary until a more permanent solution was implemented.

2. FUNDING

Estimated Total Cost	\$250,000
Estimated Federal Cost	\$250,000
Allocation thru FY16	\$225,000
Allocation for FY17	\$25,000
President's Budget FY18	TBD

Project is a Section 1135 Continuing Authorities Program project.

3. SPONSOR

Puerto Rico Department of Natural and Environmental Resources (DNER)
P.O. Box 9066600
Puerta De Tierra
San Juan, Puerto Rico 00906-6600

4. **STATUS** A Feasibility Cost Share Agreement (FCSA) was executed in May 2016. Feasibility report to be completed in May 2017.