### Center for WATERSHER PROTECTION Guánica Bay Watershed Watershed Management Plan

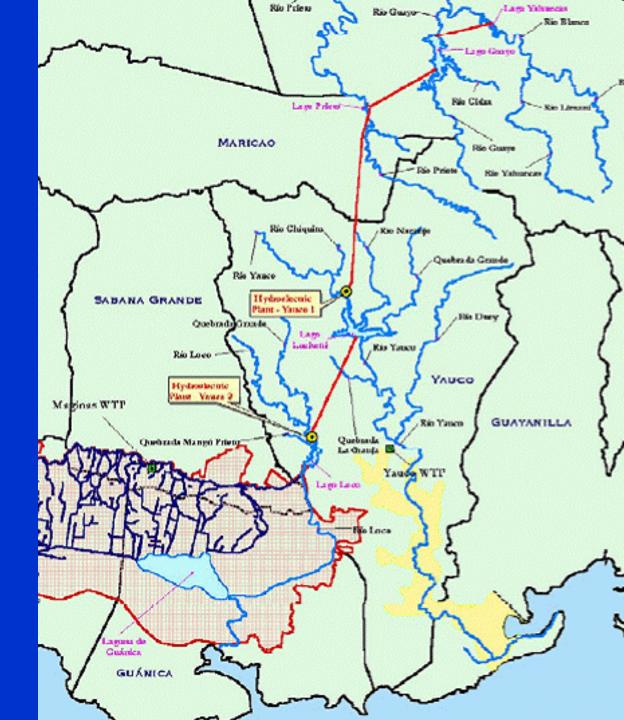






## **Guanica Bay Watershed**

- 150 square miles
- Highly altered
- Drains to coral reef areas with endangered coral species
- Sediment plumes impact near-shore reef areas



### **#1 Restoration of Historic Guanica Lagoon**



### #2 Constructed wetlands treatment system for existing Guanica STP

#S Intrastructure removal and river channel stabilization

#4 Stabilization of cleared soils for high mountain coffee agriculture

# Points that accentuate the need for collaboration/coordination

### Guanica Lagoon

- Historically an agricultural area few remnant farms (NRCS/USDA Coord)
- Army Corp study on possible relocation of the Rio Loco channel
- USGS Hydrologic Study
- Historically important migratory stopover (USFWS)

### Sewage Treatment Finishing Wetlands

• EPA mandates to improve treatment processes and connect rural areas

#### River channel restoration

• Potential funding source through EQUIP as farmers are losing their land (NRCS/USDA)

### High Mountain Agricultural Areas - Sediment transport

- Coordination on potential cover crop subsidy or additional research
- Existing incentive for shade grown coffee
- USGS study of reservoirs filling with transported sediments