

An aerial photograph of a rugged, brown, eroded mountain range. The terrain is characterized by deep, winding gullies and ridges, creating a complex, textured landscape. The color is a mix of dark brown and reddish-brown, suggesting volcanic ash or similar soil. A road or path is visible at the base of the mountains, running horizontally across the lower part of the image. The sky is blue with scattered white clouds.

**NOAA – Capacity Building and
Watershed Planning Assistance for
the Management of Land-based
Sources of Pollution on Coral Reefs**

Federal Agency Watershed Forum
23 February 2009

Reduce Land-Based Sources of Pollution

Mandates / authorities to address LBSP

- ❖ EPA
- ❖ USDA
- ❖ DOI
- ❖ States & Territories

NOAA's focus:

- Scientific expertise
 - Assessments
 - Tools
 - Studies linking pollution to coral reef degradation
- Capacity building
 - Technical knowledge
 - Effective management
 - Programmatic hurdles



NOAA State & Territory Capacity Building and Planning Assistance

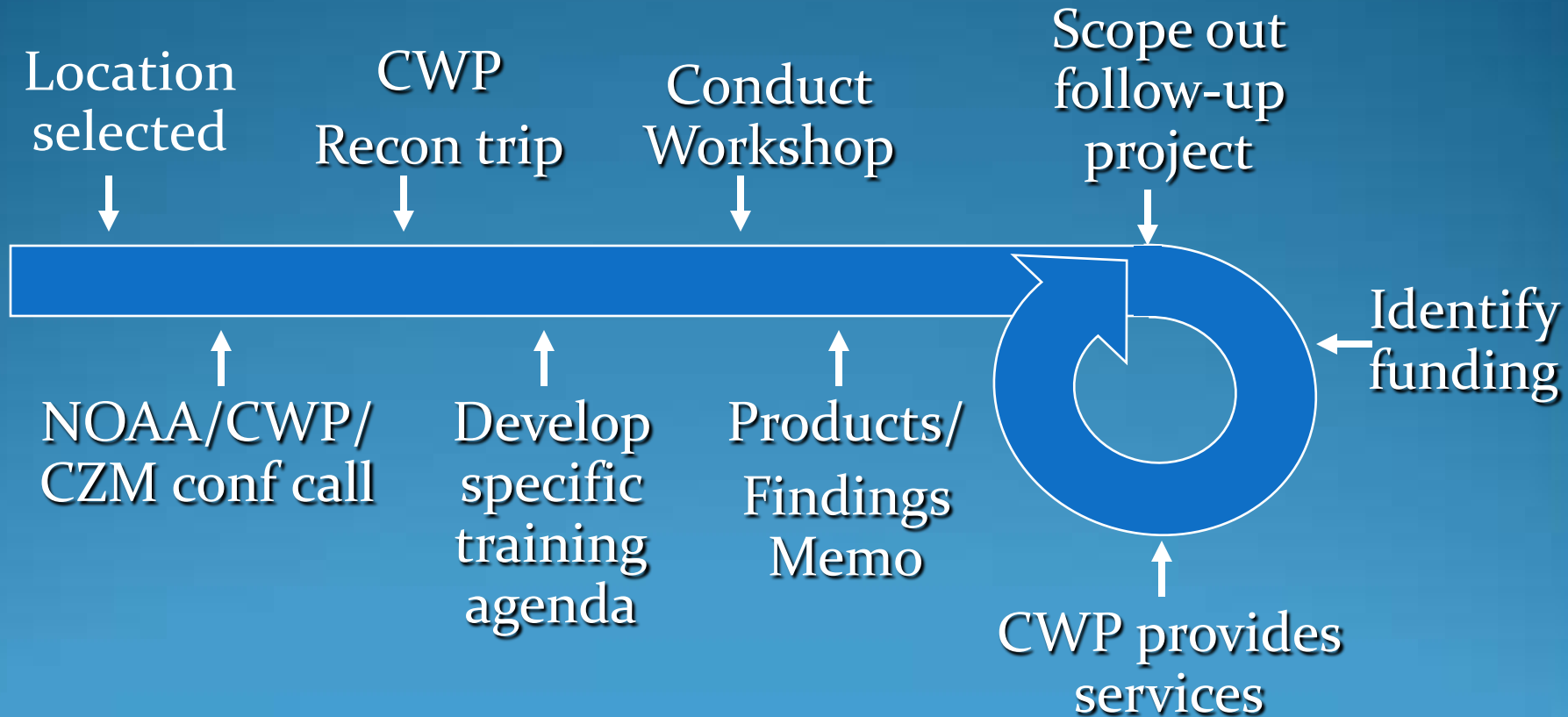
Project Overview and Approach:

- Specialized assistance to enhance the effectiveness of local planning and management capability
- Contracted and worked alongside the Center for Watershed Protection (CWP)
- Customized technical training and assistance and concept design development
 - Hawaii
 - Puerto Rico
 - The U.S. Virgin Islands
 - Guam
 - Florida



NOAA State & Territory Capacity Building and Planning Assistance

General Process:



NOAA State & Territory Capacity Building and Planning Assistance

Watershed protection practices adapted for island environments

- Outcomes:
 - Stormwater ordinances
 - Streamlined permitting
 - Concept designs
 - Construction site inspection
- Assisted local agencies in identifying gaps, redundancies and conflicts – recommendations to work together more effectively



NOAA State & Territory Capacity Building Planning Assistance

Follow-up watershed pilot projects and additional workshops & demonstration projects

- Coral Bay Watershed Management Plan (USVI) – March 2008
- Guánica / Rio Loco Watershed Management Plan (Puerto Rico) – September 2008
- Municipal ordinance for enforcement of Puerto Rico's Erosion and Sediment Control (ESC) regulations (Caguas, PR)
- ESC training and certification program for inspectors and contractors Puerto Rico (current Puerto Rico)
- Regulation update in Guam to require post-construction stormwater management as outlined in the 2006 Stormwater Manual (Guam)
- Analyze and evaluate Programs and BMP's in Southeast Florida to identify needs, gaps and specific projects to target LBSP hotspots (Florida)

