Projects and ActivitiesThu Mar 28 22:25:08 HST 2024

Name	Developing a DST for Understanding Impacts of Climate Change and Invasive Species on Watershed Function and Aquatic Habitat Quality
Capability Area: Impacts/Adaptations	- Understanding Climate Impacts and Informing Adaptation - Climate Adaptation - Training and Capacity Building, Education, Outreach - Decision Support Tools - Policies and Legislation
Sectors	- Fresh Water Resources - Ecosystems
Status	- Ongoing
Focus Area	- Fresh Water Resources and Drought - Marine and Terrestrial Ecosystems
Regions	- Central North Pacific - State Of Hawaii
Description	We are working with to develop a user-friendly decision support tool that will identify what, where and when specific management actions are needed to increase the resilience of Pacific Island landscapes. We have fully parameterized and calibrated a Distributed Hydrology, Soils, Vegetation Model (DHSVM), which we have used to model how various climate and invasive species scenarios will impact water yield.
Lead Agencies	USFS, University of Hawaii at Manoa, Hawaii State Division of Aquatic Resources, Kamehameha Schools
Contacts	Rich MacKenzie, rmackenzie@fs.fed.us
Partnering Agencies	PICCC
Projected Timelines	2011-2013