Projects and ActivitiesThu Mar 28 08:53:41 HST 2024

Name	Combatting Coral Bleaching and Ocean Acidification
Capability Area: Variability/Changes	- Understanding Climate Variability and Change - Research/Development
ECV	- Sub-surface (e.g., temp, salinity, nutrients, carbon, phytoplankton)
Status	- Ongoing
Focus Area	- Marine and Terrestrial Ecosystems
Regions	- South Pacific - American Samoa
Description	Management techniques that prevent bleaching of limited reef areas are the only direct interventions known that might reduce coral mortality due to climate change. This project explores methods to cool areas of coral reef and test bleaching recovery methods on coral reefs in American Samoa. This study will measure efficacy and scalability of this technology for potential future tests and use in a deployable or installed system. Additionally, it will monitor nearby bleaching levels and validate NOAA's predictive bleaching model.
Lead Agencies	The Climate Foundation, American Samoa DMWR
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Partnering Agencies	PICCC
Projected Timelines	2010-2013