Piko Assessments Fri Mar 29 01:18:32 HST 2024

Name	Effects of Groundwater Withdrawal, Injection, and Climate Change on Water Resources at Kaloko-Honokohau, Island of Hawaii, Hawaii
Lead Agencies	USGS Pacific Islands Water Science Center
Contacts	Delwyn Oki, dsoki@usgs.gov
Partnering Agencies	NPS
Types	- Climate Science - Needs And Capabilities - Needs - Capacity
Area of Applicability	- Regional/Local or Problem-focused
Focus Area	- Fresh Water Resources and Drought - Coastal Inundation/Sea Level Rise, Extreme Weather, and Community Resilience - Marine and Terrestrial Ecosystems
Regions	- Central North Pacific - State Of Hawaii
Status	- Ongoing
Description	Kaloko-Honokohau National Historical Park supports a diversity of aquatic habitats. High-quality ground water is essential to maintain these habitats, which are immediately threatened by sudden and substantial urban development contiguously surrounding the Park. The objective of this study is to evaluate the effects of selected anthropogenic and natural factors on Park resources. These factors include (1) ground-water withdrawals from and reverse osmosis concentrate injection into the aquifer in the immediate vicinity of the Park, (2) reduced regional ground-water flow caused by upgradient withdrawals or climate change, and (3) long-term sea-level change.
Url	Project web page in development.