Piko Assessments Fri Mar 29 04:57:54 HST 2024

Name	Hawaii Volcanic-Rock Aquifer Study
Lead Agencies	USGS Pacific Islands Water Science Center
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Types	- Needs And Capabilities - Capacity
Area of Applicability	- Regional/Local or Problem-focused
Focus Area	- Fresh Water Resources and Drought
Regions	- Central North Pacific - State Of Hawaii
Status	- Ongoing
Description	The volcanic-rock aquifers in Hawaii constitute one of the principal aquifers in the U.S. The Hawaii aquifers supply water to 1.36 million residents, diverse industries, and a large component of the U.S. military in the Pacific. The aquifers of individual Hawaiian Islands are isolated by sea water and have limited capacity. Fresh groundwater resources in Hawaii are therefore particularly vulnerable to impacts from human activity and climate change. As part of an effort to assess the Nation’s groundwater resources, the USGS Groundwater Resources Program (GWRP) is conducting a four-year study (2012-16) of groundwater resources in Hawaii volcanic-rock aquifers. Objectives of this study are to: 1) Provide an updated assessment of groundwater availability in Hawaii; 2) Assess the current condition of Hawaii volcanic-rock aquifers and show how groundwater resources have changed as a result of natural and human stresses; 3) Provide a tool to assess responses to future stresses; and 4) Evaluate the adequacy of the current data network for assessing groundwater resources in the future.
Url	http://hi.water.usgs.gov/studies/GWRP/