



Piko Assessments Fri Mar 23 05:10:52 HST 2018

<b>Name</b>	Hawaii Volcanic-Rock Aquifer Study
<b>Lead Agencies</b>	USGS Pacific Islands Water Science Center
<b>Contacts</b>	Scot Izuka, skizuka@usgs.gov
<b>Types</b>	- Needs And Capabilities - Capacity
<b>Area of Applicability</b>	- Regional/Local or Problem-focused
<b>Focus Area</b>	- Fresh Water Resources and Drought
<b>Regions</b>	- Central North Pacific - State Of Hawaii
<b>Status</b>	- Ongoing
<b>Description</b>	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.
<b>Url</b>	<a href="http://hi.water.usgs.gov/studies/GWRP/">http://hi.water.usgs.gov/studies/GWRP/</a>