



Piko Assessments Thu Feb 22 20:49:01 HST 2018

<b>Name</b>	A Water-Budget Model and Assessment of Groundwater Recharge for the Island of Hawaii
<b>Lead Agencies</b>	USGS/Pacific Islands Water Science Center
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<b>Partnering Agencies</b>	State of Hawaii Commission on Water Resource Management
<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>	- Completed
<b>Description</b>	Concern surrounding increasing demand for groundwater on the Island of Hawaii, caused by a growing population and an increasing reliance on groundwater as a source for municipal and private water systems, has prompted a study of groundwater recharge on the island using the most current data and accepted methods. For this study, a daily water-budget model for the entire Island of Hawaii was developed and used to estimate mean recharge for various land-cover and rainfall conditions, and a submodel for the Kona area was developed and used to estimate historical groundwater recharge in the Kona area during the period 1984–2008.
<b>Url</b>	<a href="http://pubs.usgs.gov/sir/2011/5078/">http://pubs.usgs.gov/sir/2011/5078/</a>