



Piko Assessments Tue Apr 24 08:12:56 HST 2018

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| <b>Name</b>           | Groundwater Availability in Guam   |
| Lead Agencies         | USGS Pacific Islands Water Science Center  |
| Contacts              | Stephen Gingerich, sbginger@usgs.gov   |
| Partnering Agencies   | U.S. Marine Corps  |
| Types                 | <ul style="list-style-type: none"> <li>- Needs And Capabilities</li> <li>- Needs</li> <li>- Capacity</li> </ul>  |
| Area of Applicability | - Regional/Local or Problem-focused  |
| Focus Area            | - Fresh Water Resources and Drought  |
| Regions               | <ul style="list-style-type: none"> <li>- Western North Pacific</li> <li>- Guam</li> </ul>  |
| Status                | - Ongoing  |
| Description           | <p>The goals of this study are to (1) advance the understanding of regional groundwater dynamics in the Northern Guam Lens Aquifer, (2) provide a new estimate of groundwater recharge for the entire island, and (3) develop a numerical groundwater flow and transport model for northern Guam that will serve as a tool to assist water-resource managers in estimating the effects of selected groundwater-pumping and climate scenarios on the water supply. Although the main area of interest is the Northern Guam Lens Aquifer, the study will also provide a new water-budget estimate of recharge for southern Guam.</p> |
| Url                   | <a href="http://hi.water.usgs.gov/studies/guam/">http://hi.water.usgs.gov/studies/guam/</a>  |