Piko Assessments Fri Mar 29 05:21:46 HST 2024

| Name | Groundwater Recharge and Availability in the Pearl Harbor Aquifer, Oahu, Hawaii |
|---|---|
| Lead Agencies | USGS Pacific Islands Water Science Center |
| Contacts | Delwyn Oki, dsoki@usgs.gov |
| Partnering Agencies | Honolulu Board of Water Supply |
| Types | - Needs And Capabilities<br>- Needs<br>- Capacity |
| Area of Applicability | - Regional/Local or Problem-focused |
| Focus Area | - Fresh Water Resources and Drought |
| Regions | - Central North Pacific<br>- State Of Hawaii |
| Status | - Ongoing |
| Description | The overall objective of this study is to develop a tool that can be used to (1) effectively manage ground-water pumping from the Pearl Harbor aquifer and (2) develop long-range plans for future development of resources in the Pearl Harbor aquifer as well as planning for alternate sources of fresh water. The tool will be in the form of a three-dimensional numerical ground-water model capable of simulating the distribution of salinity in the aquifer and the response of the freshwater lens to user-specified pumping conditions. |
| Url | Project web page in development. |