



Projects and Activities Mon Dec 10 13:00:26 HST 2018

<b>Name</b>	Trends in Streamflow Characteristics at Long-Term Gaging Stations in Hawaii
Capability Area: Variability/Changes	<ul style="list-style-type: none"> <li>- Understanding Climate Variability and Change</li> <li>- Historical Observations (hindcasts/climatologies)</li> </ul>
ECV	- (e.g., surface water, glaciers and ice caps, land cover, biomass)
Timeframe	- Intra-annual to Decadal
Capability Area: Impacts/Adaptations	<ul style="list-style-type: none"> <li>- Understanding Climate Impacts and Informing Adaptation</li> <li>- Climate Impacts</li> <li>- Historical Observations (hindcasts/climatologies)</li> </ul>
Sectors	<ul style="list-style-type: none"> <li>- Fresh Water Resources</li> <li>- Social and Cultural Resources</li> <li>- Agriculture and Fisheries</li> <li>- Recreation and Tourism</li> <li>- Ecosystems</li> </ul>
Status	- Completed
Focus Area	- Fresh Water Resources and Drought
Regions	<ul style="list-style-type: none"> <li>- Central North Pacific</li> <li>- State Of Hawaii</li> </ul>
Description	DOI/USGS Scientific Investigations Report 2004-5080. The surface-water resources of Hawaii have significant cultural, aesthetic, ecologic, and economic importance. Proper management of the surface-water resources of the State requires an understanding of the long- and short-term variability in streamflow characteristics that may occur. The USGS maintains a network of stream-gaging stations in Hawaii, including a number of stations with long-term streamflow records that can be used to evaluate long-term trends and short-term variability in flow characteristics.
Objectives/Outcomes	The overall objective of this study is to obtain a better understanding of long-term trends and variations in streamflow on the islands of Hawaii, Maui, Molokai, Oahu, and Kauai, where long-term stream-gaging stations exist. This study includes: 1) an analysis of long-term trends in flows (both total flow and estimated base flow) at 16 stream-gaging stations; 2) a description of patterns in trends within the State; and 3) discussion of possible regional factors (including rainfall) that are related to the observed trends and variations.
Lead Agencies	USGS Pacific Islands Water Science Center
Contacts	Delwyn Oki, dsoki@usgs.gov

Partnering Agencies	Hawaii State Commission on Water Resource Management, Maui County Department of Water Supply, USGS Biological Resources Discipline, PICCC
Url	<a href="http://pubs.usgs.gov/sir/2004/5080/">http://pubs.usgs.gov/sir/2004/5080/</a>