Projects and ActivitiesThu Mar 28 12:34:40 HST 2024

Name	Trends in Streamflow Characteristics at Long-Term Gaging Stations in Hawaii
Capability Area: Variability/Changes	- Understanding Climate Variability and Change - Historical Observations (hindcasts/climatologies)
ECV	- (e.g., surface water, glaciers and ice caps, land cover, biomass)
Timeframe	- Intra-annual to Decadal
Capability Area: Impacts/Adaptations	- Understanding Climate Impacts and Informing Adaptation - Climate Impacts - Historical Observations (hindcasts/climatologies)
Sectors	- Fresh Water Resources - Social and Cultural Resources - Agriculture and Fisheries - Recreation and Tourism - Ecosystems
Status	- Completed
Focus Area	- Fresh Water Resources and Drought
Regions	- Central North Pacific - State Of Hawaii
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.
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Partnering Agencies	Hawaii State Commission on Water Resource Management, Maui County Department of Water Supply, USGS Biological Resources Discipline, PICCC
Url	http://pubs.usgs.gov/sir/2004/5080/