Implementation of the Pilot Phase of the Hawai'i Mesonet Real-time Climate Monitoring Network

Item B-6

Ayron M. Strauch, Hydrologist Stream Protection and Management Branch

COMMISSION ON WATER RESOURCE MANAGEMENT





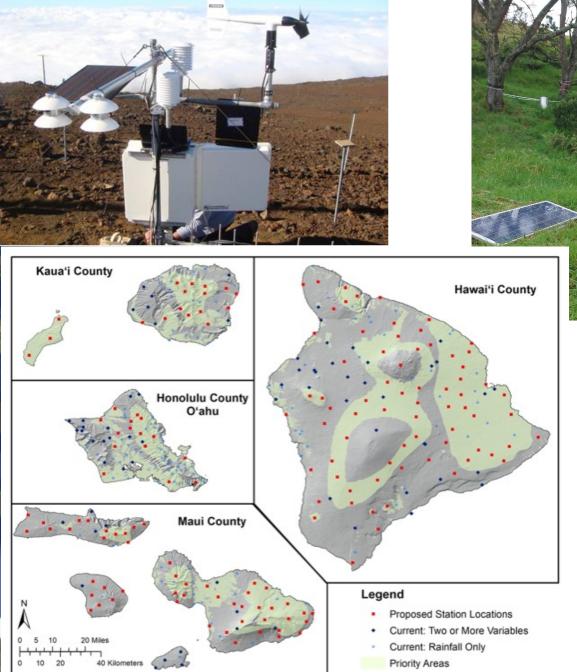


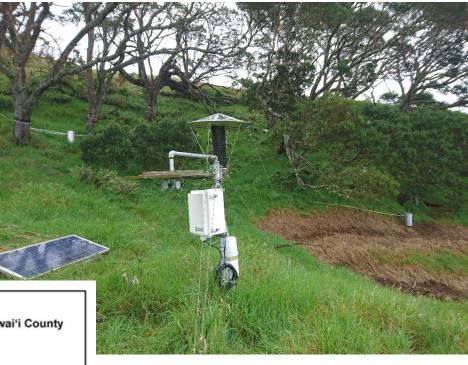
Prepared in cooperation with the State of Hawai'i Commission on Water Resource Management and in collaboration with the University of Hawai'i Water Resources Research Center

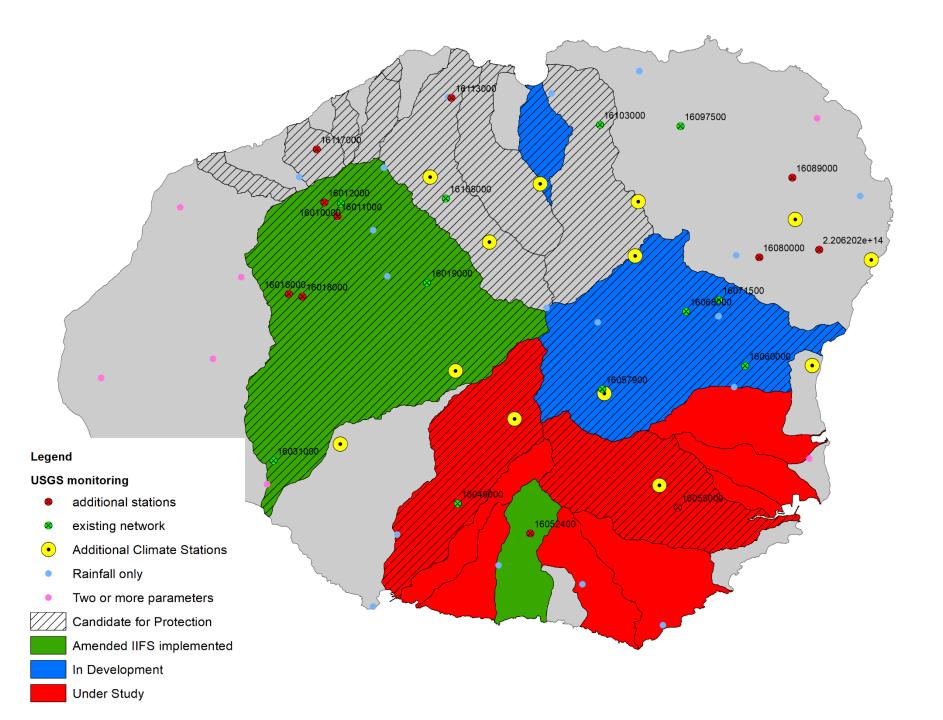
Water-Resource Management Monitoring Needs, State of Hawai'i

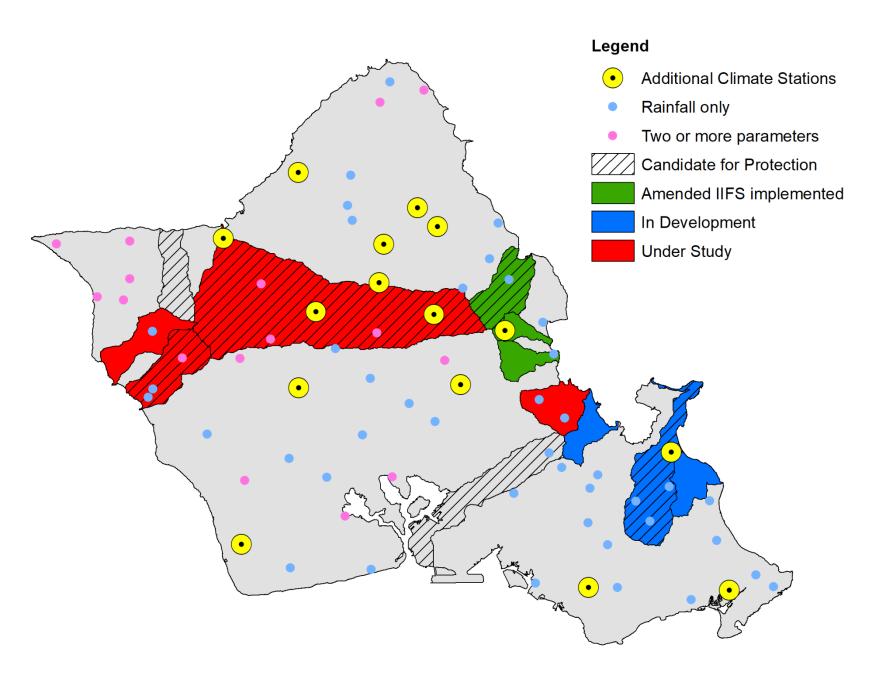


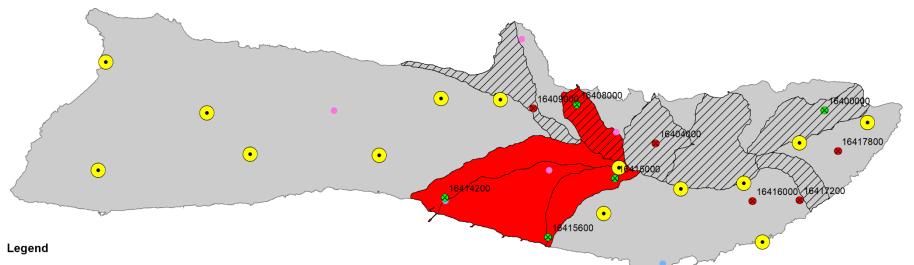
Figure EST. Maps showing ne rainiai-monitoring program for the Hawaitan Islands of Natual, O a Maul, Lánaí, and Hawaí.





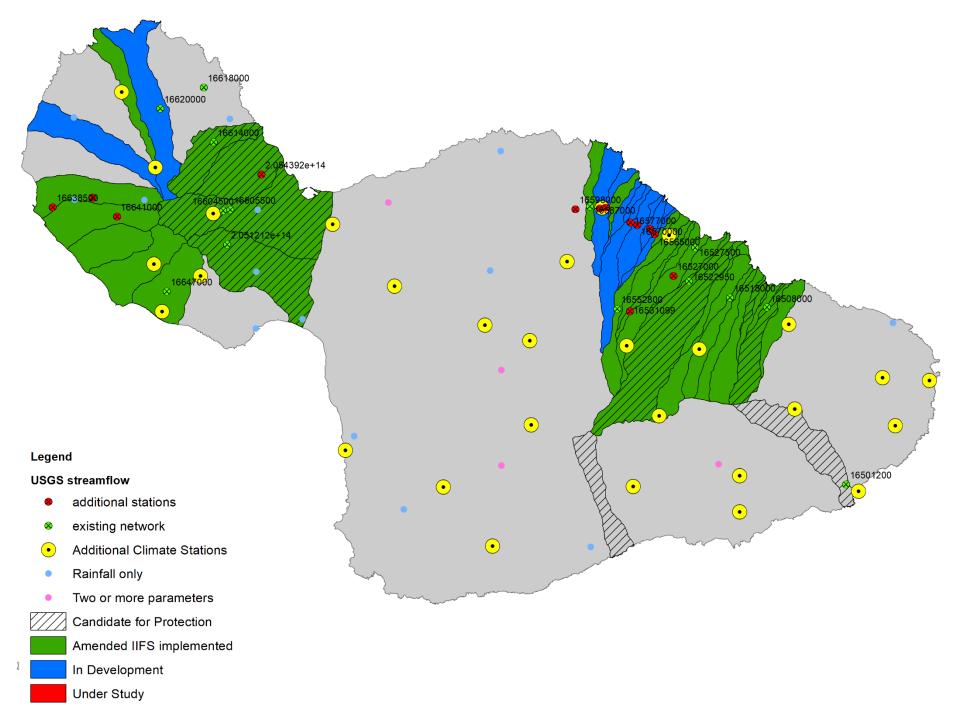


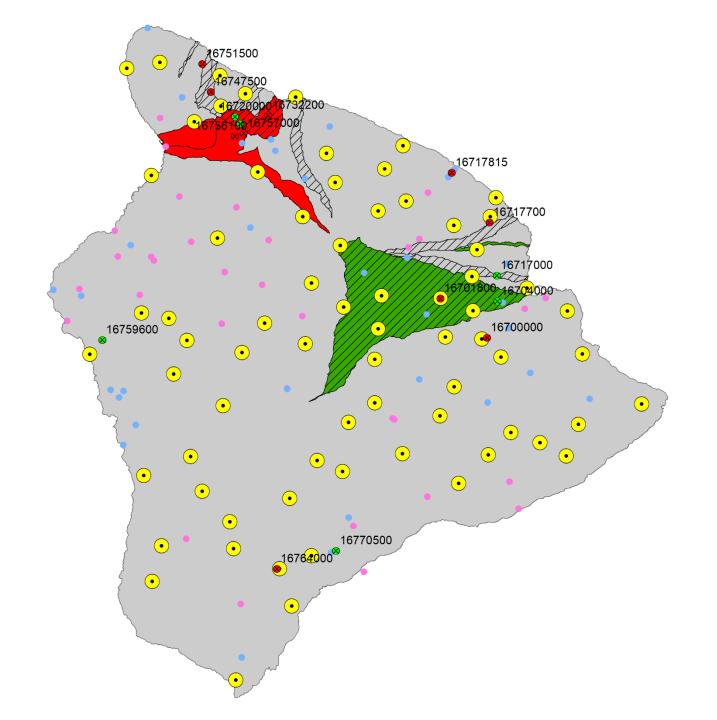




USGS streamflow

- existing network
- additional stations
- Additional Climate Stations
- Rainfall only
- Two or more parameters
- Candidate for Protection
 - Amended IIFS implemented
 - In Development
 - Under Study





Pilot Phase of the Hawai'i Mesonet Real-time Climate Monitoring Network

Category	Year 1	Year 2	Total
Salary	\$9,900	\$10,200	\$20,100
Fringe benefits	\$2,689	\$3,790	\$6,479
Travel	\$4,860	\$4,860	\$9,720
Supplied	\$630	\$630	\$1260
Data plans	\$0	\$480	\$480
Equipment	\$58,156	\$0	\$58,156
Total Direct Costs	\$76,235	\$19,960	\$38,039
Indirect Costs	\$1,808	\$1,996	\$3,804
Total	\$78,043	\$21,956	\$99,999

Equipment purchase and installation for 4 new climate stations

Coding to develop real-time climate maps (with automated QA/QC) for the State of Hawai'i

