Approve Order to Molokai Properties Limited to Grant U.S. Geological Survey Access to Re-establish USGS Long-Term Monitoring Station 16415000 On East Fork Kawela Stream to Address Top Priority Monitoring Needs for the State and Provide Current Hydrologic Data to Partially Address the Complaint (CDR.5310.4) Filed by Earthjustice on Behalf of <u>Moloka'i Nō Ka</u> <u>Heke, Moloka'i</u>

> Ayron Strauch, Hydrologist Stream Protection and Management Branch

> > June 15, 2021 Item B-5

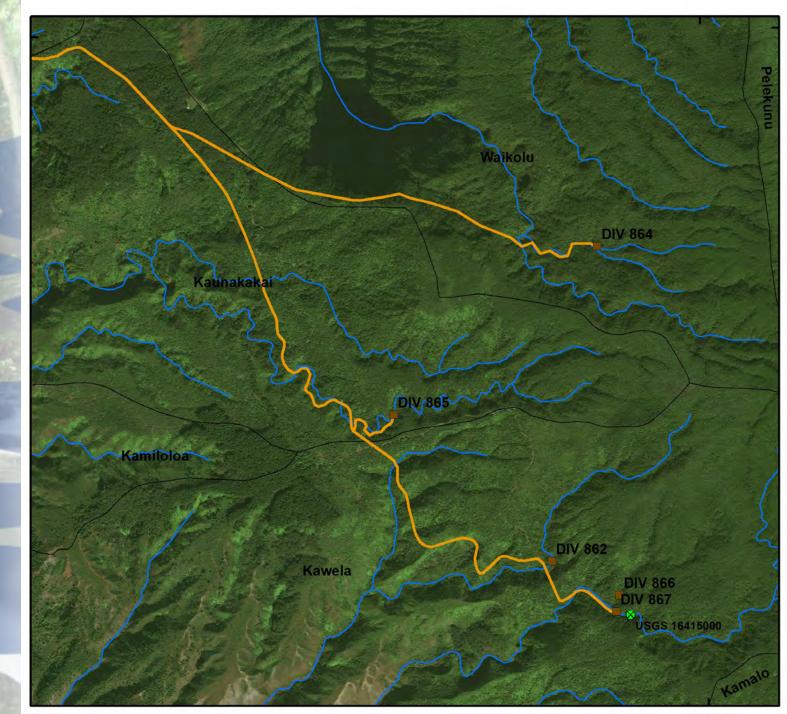


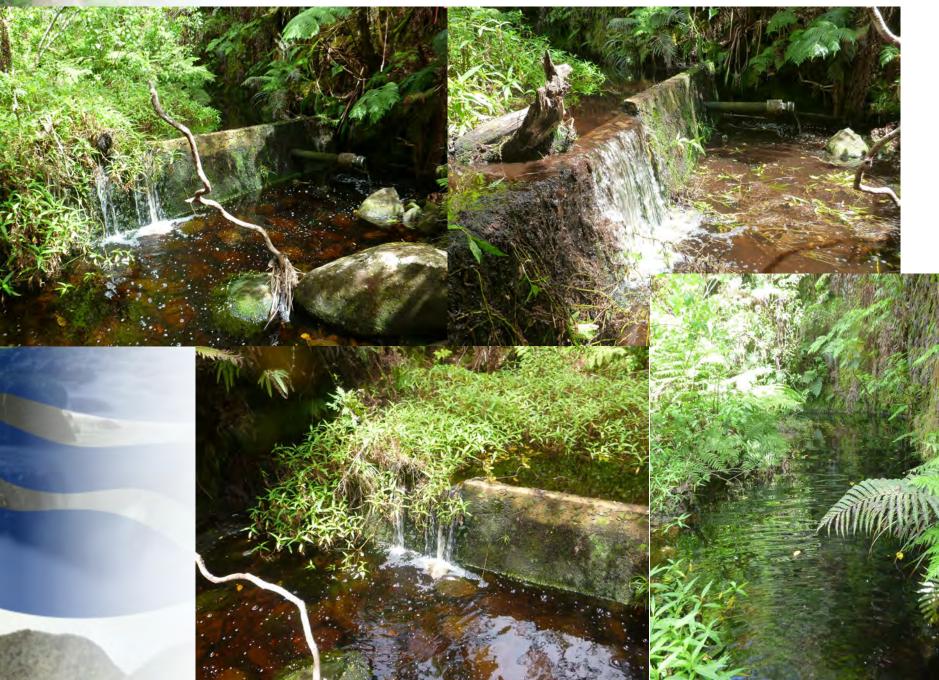


157°0'0"W

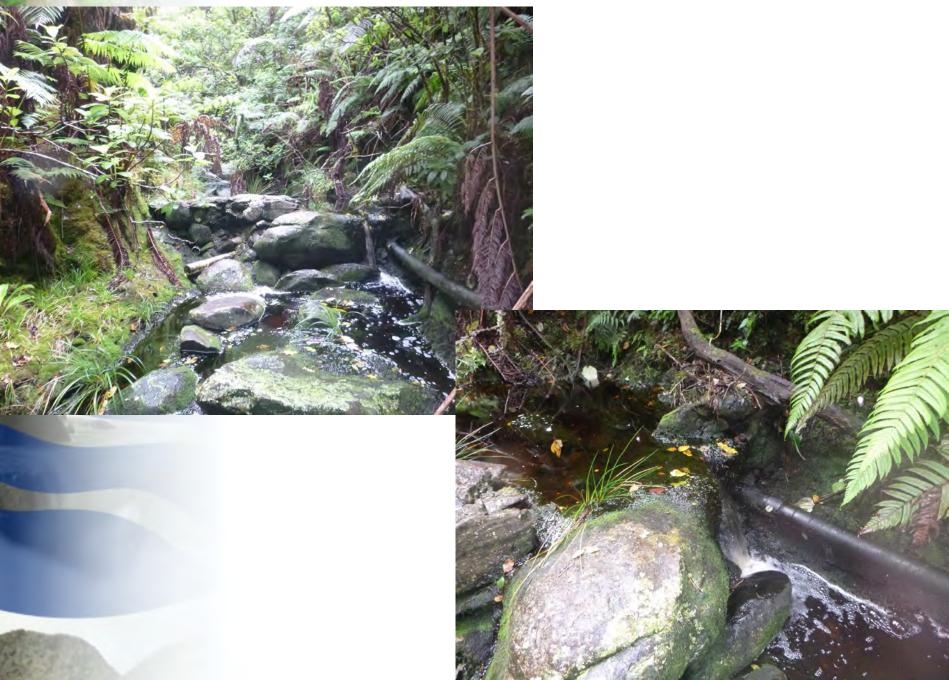
156°56'0"W

156°54'0"W





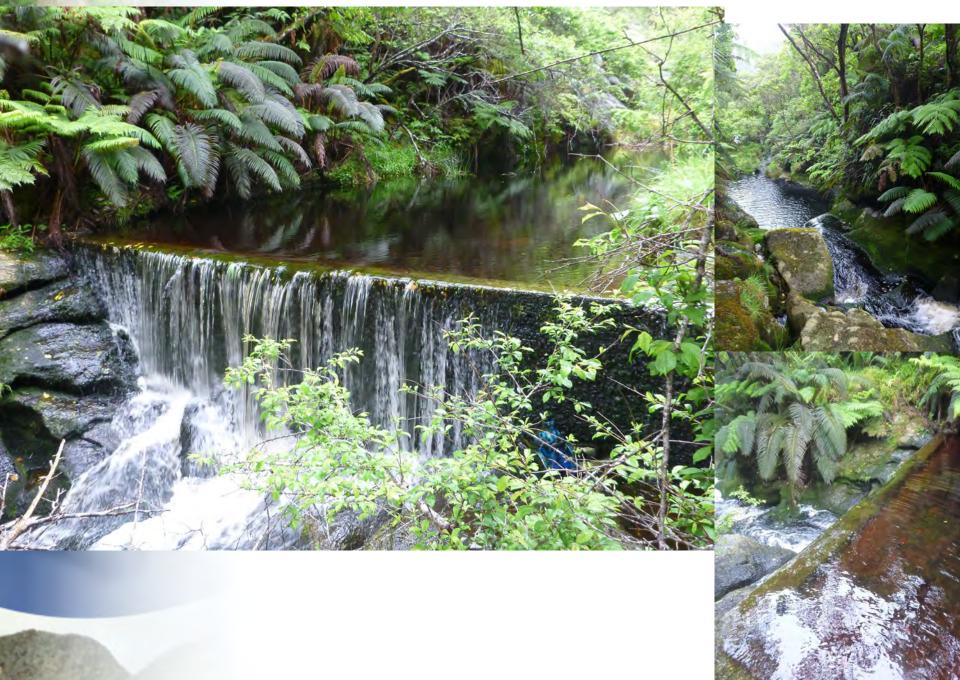
West Kawela (DIV.862)



East Kawela Tributary (DIV.866)

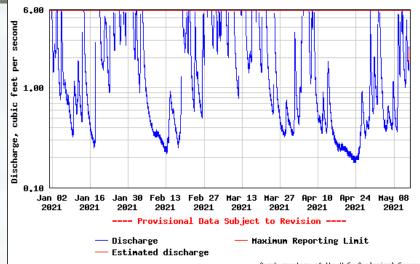


East Kawela (DIV.867)



USGS 16415000 Active from 1946-1971 Currently a temporary continuous monitoring station





Graph courtesy of the U.S. Geological Survey

EVALUATION OF THE SURFACE-WATER QUANTITY, SURFACE-WATER QUALITY, AND RAINFALL DATA-COLLECTION PROGRAMS IN HAWAII, 1994

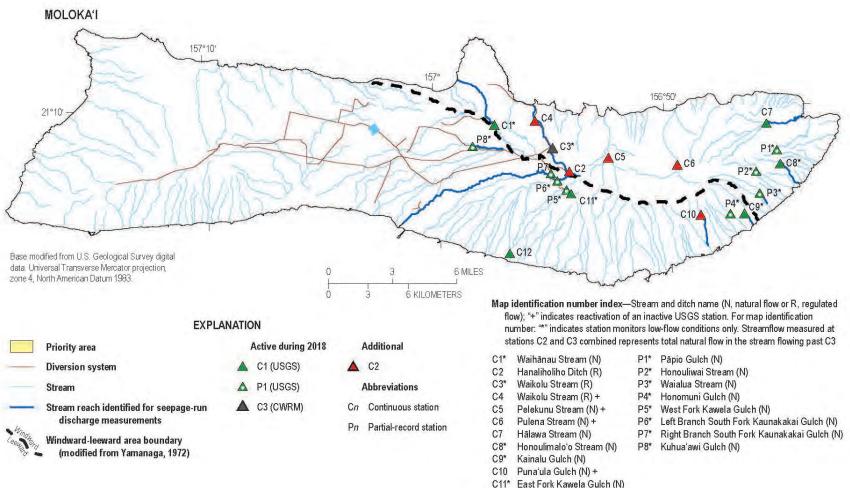
By Richard A. Fontaine

U.S. GEOLOGICAL SURVEY

Water-Resources Investigations Report 95-4212

Table 14. Adequacy of Hawaii's current (1994) surface-water data-collection program for describing surface runoff in areas of increasing ground-water demands.

Region	Description of surface runoff	Remarks
		Kaual
Lihue-Anahola	Good	Data lacking for Hanamaulu, Konohiki, and Kaehulua Streams, and near mouth of Kapaa Stream
Hanapepe-Lihue	Poor	Data lacking except for Hanapepe River
		Oahu
North central (Haleiwa side)	Fair	Data lacking near the mouths of streams
North central (Pearl Harbor side)	Fair	Data lacking in upland areas between Kipapa and North Halawa Streams
Waimanalo-Hauula	Good	Twenty-seven continuous-record gages operated in area
		Molokai
Waikolu Stream	Good	Three active continuous-record gages in watershed
Kaulapuu-Kaunakakai-Pokoo	Poor	Inadequate geographic and hydrologic distribution of gages
		Maui
Lahaina area	Poor	No active continuous-record gages in area
Waihee-Waikapu	Fair	Lack of long-term data and gages near mouths of streams
Kahului-Makena	Poor	No continuous-record gages operated in area
		Hawall
North Kohala	Poor	No continuous-record gages operated in area
South Kohala	Poor	All gages operated to date in headwaters of Waiulaula Gulch, none in other areas
Kailua-Kona	Fair	No active continuous-record gages in area



- C12 Kawela Gulch (R)

Figure 13. Map showing the surface-water monitoring program on Moloka'i, Hawai'i. Surface-water monitoring stations are listed with their map identification number. Operating agencies include the U.S. Geological Survey (USGS) and the State of Hawai'i Commission on Water Resource Management (CWRM).