

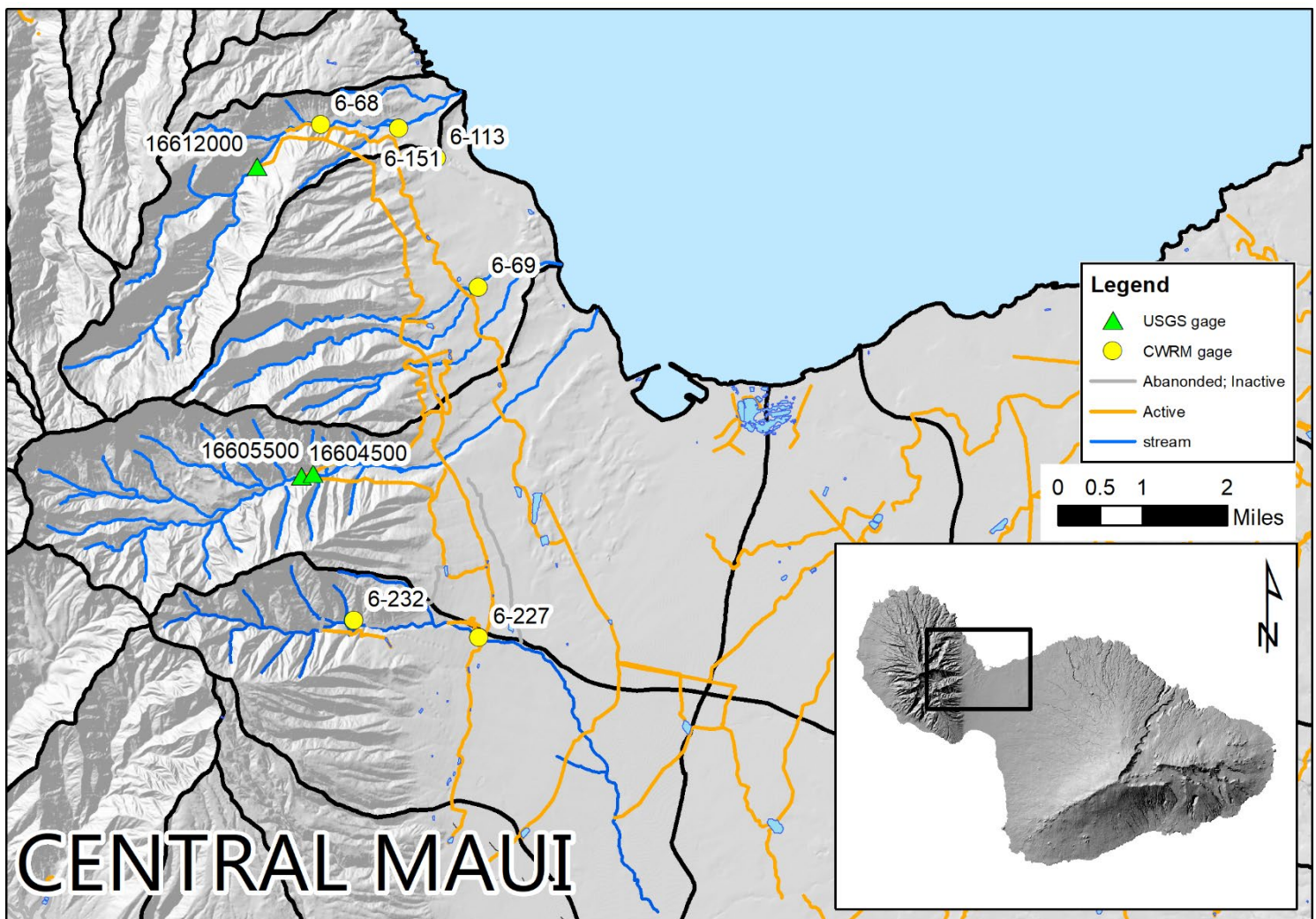
COMMISSION ON WATER RESOURCE MANAGEMENT

Surface Water Monitoring : Nā Wai 'Ehā

Gage ID	Location Name	Operator	Station Type	Period of Record
16614000	Waihee Rv abv Waihee Dtch	USGS	Real-time continuous	1983-P
16604500	Wailuku River at Kepaniwai Park	USGS	Real-time continuous	1983-P
16605500	Wailuku River at Iao Valley Road	USGS	Real-time continuous	2019-P*
6-68	Waihee River blw Spreckles Ditch	CWRM	Real-time continuous	2018-P
6-69	Waiehu Stream blw confluence	CWRM	Continuous	2011-P
6-113	South Waihee Auwai at hwy	CWRM	Continuous	2017-P
6-151	South Waihee Auwai at drop	CWRM	Continuous	2017-P
6-227	Waikapu Stream abv Waihee Ditch Intake	CWRM	Non-continuous	none
6-232	Waikapu at 915ft	CWRM	Real-time continuous	2018-P

*station activated in September 2019

Gaging Station Type	Description
Real-time continuous	Preliminary data available online within 15-30 minutes of measurement.
Continuous	Data recorded at repeated interval over time.
Non-continuous	Flow measured as needed



Surface Water Resources and Current Instream Flow Standards

surface water hydrologic unit	stream name	Q ₅₀ (mgd)	Q ₉₀ (mgd)	interim IFS (mgd)	interim IFS elevation (ft)	estimated flow available for use at Q ₅₀ (mgd)
Waihe'e	Waihe'e	32.3	22.6	10	330	22.3
Waiehu	North Waiehu	3.2	1.7	1.6		0.0
Waiehu	South Waiehu	1.6	1.4	0.9		0.7
Waiehu	Waiehu	3.2	0.52	1.8 ¹	200	--
Wailuku	Wailuku	23.3	11.6	10	690	13.3
Wailuku	Wailuku	21	7.8	5 ²	10	--
Waikapū	Waikapū	5.6	3.6	2.9	195	2.67

¹IIFS of 1.8 mgd as assumed below the confluence based on the location of the IIFS for each tributary and the seepage loss between their locations and the monitoring location.

²IIFS of 5 based on groundwater recharge from streamflow in unlined reaches between elevation 195 ft and 10 ft

Instream Flow Standards Timeline in Na Wai 'Ehā

Dec 1988	HAR § 13-169-48 Interim instream flow standard for West Maui adopted on October 19, 1988, effective on December 10, 1988
June 2004	Hui o Nā Wai 'Ehā and Maui Tomorrow Foundation filed a Petition to amend the interim instream flow standards
Oct 2010	Hui o Nā Wai 'Ehā filed a waste complaint
Feb 2006	Commission initiated a contested case hearing for the 'Īao Aquifer System high level water use permit applications
Mar 2006	Commission clarified that two contested cases beheld: (1) to amend the IIFS and address 'Īao WUPA and (2) to address the waste complaint
June 2006	Commission appointed a mediator to address the waste complaint and a Hearings Officer for the contested cases
Oct 2006	Mediation failed to reach agreement in the waste complaint
Feb 2007	Commission approves the continuance of the designation process
Apr 2007	Commission holds a public hearing on Maui to receive public testimony concerning designation
May 2007	Hui o Nā Wai 'Ehā and Maui Tomorrow Foundation withdraw their waste complaint
Dec 2007	Contested case evidentiary hearing held over 23 days, concluding in March 2008
Mar 2008	Commission accepted the Findings of Fact and Chairperson's Recommendation and designated the Nā Wai 'Ehā as a surface water management area (effective April 30, 2008)
Sept 2008	Deadline for the parties' proposed Findings of Fact, Conclusions of Law, and Decision and Order
Apr 2009	Deadline for applications for existing-use permits to be filed; 125 applications (115 accepted)
Apr 2009	Hearings Officer submitted draft Findings of Fact, Conclusions of Law, and Decision and Order
June 2010	Commission issues its final Findings of Fact, Conclusions of Law, and Decision and Order
July 2010	Office of Hawaiian Affairs, Hui o Nā Wai 'Ehā and Maui Tomorrow Foundation file their appeal
Aug 2012	Hawaii Supreme Court issued its opinion vacating the June 2010 Commission decision and remanding for further proceedings
Aug 2012	Hawaii Supreme Court issues its decision
Apr 2014	Parties reach a mediated agreement on the amended interim instream flow standards and adopted by the Commission

For More Information

Commission on Water Resource Management:
 Stream Protection and Management Branch:
 USGS Pacific Islands Water Science Center:
 USGS SIR 2010-5011 Report

<https://dlnr.hawaii.gov/cwrm/>
<https://dlnr.hawaii.gov/cwrm/surfacewater/>
<https://www.usgs.gov/centers/piwsc>
<https://pubs.usgs.gov/sir/2010/5011/>