

Layer Name: Quantitative Interim Instream Flow Standards (IIFS) for Hawaiian Streams as of October 2024

Shapefile: IIFS_Mandated

Layer Type: Point

Status: Complete as of 10/22/24

Geog. Extent: Islands of Hawaii, Kauai, Lanai, Maui, Molokai and Oahu

Projection: Universal Trans Mercator, Zone 4 (Meters)

Datum: NAD 83 HARN

Description: Point locations and descriptions of quantitative Interim Instream Flow Standards (IIFS) for Hawaiian Streams. The Interim Instream Flow Standard is the quantity or flow of water or depth of water which is required to be present at a specific location at certain specified times of the year to protect fishery, wildlife, recreational, aesthetic, scenic, and other beneficial instream uses. Under the State Water Code (Code), Chapter 174C, Hawaii Revised Statutes (HRS), the Commission on Water Resource Management (Commission) has the responsibility of establishing IIFS on a stream-by-stream basis whenever necessary to protect the public interest in the waters of the State.

Source: Received from State of Hawaii, DLNR, CWRM, **October 22, 2024**

<Attributes, Citations, and contact information on following page>

Attributes:

- ObjectID: Internal Use (Unique ID)
- IIFS_ID: Unique ID (Temporary ID to be replaced by CWRM Database ID)
- IIFSStatus: IIFS Status as of Publication date (VALID/VOID)
- DateEffect: Date Effective – Date of mandated IIFS
- DateVacate: Date Vacated/Remanded – Date of vacated or remanded IIFS
- Island: Island
- SWHUName: Surface Water Hydrologic Unit Names (aka Watershed Name) State of Hawaii, Department of Land and Natural Resources, Commission on Water Resource Management. Created as part of a partial update to the Water Resource Protection Plan (2008). Last Updated: 2024.
- SWHUCode: Surface Water Hydrologic Unit Code (aka: Watershed Coded ID) State of Hawaii, Department of Land and Natural Resources, Commission on Water Resource Management. Created as part of a partial update to the Water Resource Protection Plan (2008). Last Updated: 2024.
- StreamName: Stream Name: Official name as determined by the U.S. Board of Geographic Names in cooperation with State names authority and listed in the Geographic Names Information System (GNIS). Alternate name sources, such as the State of Hawai'i Division of Aquatic Resources stream layer, are used in the absence of a GNIS name.
- IIFSLocati: IIFS Location: Descriptive location of IIFS on stream in relation to other significant features.
- IIFSAlt_ft: IIFS altitude in feet.
- NHDSReachco: NHDSReachcode: National Hydrography Dataset Flowline Reachcode. Unique identifier of a stream reach as assigned by USGS in the National Hydrography Dataset.
- IIFSDurati: IIFSDuration: Duration on mandated IIFS (Annual, Seasonal, or Phased)
- IIFSBasis: IIFS Basis: Goal or intent of IIFS:

Attribute Values:

Connectivity: Maintenance of a wetted pathway to facilitate the passage of organisms along the stream path.

Full: Natural stream flow, uninterrupted by off-stream diversion of flow.

H90: Minimum viable flow necessary to provide suitable habitat conditions for recruitment, growth, and reproduction of native stream animals (equal to 64% of median base flow).

Q50, Q50, Q60, Q70, Q80, Q90: Flow discharge exceedance probability based on daily mean discharge.

Habitat: Provide habitat for native aquatic organisms.

Historical: Restore historical flow in stream.

Kuleana Uses: Off-stream water use for appurtenant water right users.

Municipal Water use: Off-stream water use for municipal water use.

Other:

IIFS_cfs: IIFS in cubic feet per second: Measurable, quantifiable flow as cubic feet per second.

IIFS_mgd: IIFS in million gallons per day: Measurable, quantifiable flow as million gallons per day

IIFSDescri: IIFSDescription: IIFS Description: Summary description of IIFS in 254 characters or less.

IIFSExcept: IIFSExceptions: IIFS Exceptions: Exceptions to IIFS as described in 'IIFS_cfs', 'IIFS_mgd', and "IIFSDescription'.

IIFSCitati: IIFSCitation: IIFS Citation: Citation of mandated IIFS. See References, below.

MntrGageID: Monitoring Gage ID. Identification number of monitoring gauge.

MntrOperat: MntrOperator:: Monitor Operator;; Agency responsible for monitoring gauge.

MntrDescri: MntrDescription: Monitoring description. Description of gauge for monitoring and enforcement of IIFS.

Note: IIFS Citations on Following Pages

Use limitations

The 'IIFS_Mandated' layer is an unofficial working tool for CWRM Staff use. Some errors may occur in the data, citations, or summaries. Please contact Malie Beach-Smith to contribute to the accuracy of this database.

Contact Information:

Statewide GIS Program
Office of Planning and Sustainable Development, State of Hawaii,
PO Box 2359, Honolulu, Hi. 96804; (808) 587-2846.
email: gis@hawaii.gov

or

Malie Beach-Smith
Commission on Water Resource Management,
PO Box 621, Honolulu, Hi. 96809; (808) 587-0240.
email: malie.n.beach-smith@hawaii.gov

IIFS Citations

DWLD Order, 10/18/1989. Resubmittal...Wailuku River Hydroelectric Project

State of Hawai'i, Department of Land and Natural Resources, Division of Water and Land Development. Resubmittal: Wailuku River Hydroelectric Power Company (Kahala Energy Development Corporation): Wailuku River Hydroelectric Project, Hilo, Hawai'i. 10/18/1989.

CWRM Order, 12/24/1997. CCH-OA95-1

Commission on Water Resource Management, State of Hawai'i. Findings of Fact, Conclusions of Law, and Decision and Order In the Matter of Water Use Permit Applications, Petitions for Interim Instream Flow Standard Amendments, and Petitions for Water Reservations for the Waiāhole Ditch Combined Contested Case Hearing. 12/24/1997. Case No. CCH-OA95-1.

CWRM Action, 7/13/2006, Re: CCH-OA-95_3F, D&O II

Findings of Fact, Conclusions of Law, and Decision and Order in the matter of water use permit applications, petitions for interim instream flow standard amendments, and petitions for water reservations for the Waiahole Ditch Combined Contested Case Hearing (CCH-OA95-1) on second remand.

CWRM Order, 6/10/2010. CCH-MA06-01.

Commission on Water Resource Management, State of Hawai'i. Findings of Fact, Conclusions of Law, and Decision and Order in the matter of the 'Āo Ground Water Management Area High-Level Source Water-Use Permit Applications and Petition to Amend Interim Instream Flow Standards of Waihe'e River and Waiehu, 'Āo, & WaikapūStreams Contested Case Hearing. 6/10/2010. (Case No. CCH-MA06-01).

CWRM Order, 6/20/2010. CCH-MA13-01.

Commission on Water Resource Management, State of Hawai'i. Finding of Fact, Conclusion of Law, & Decision and Order in the matter of Petition to Amend Interim Instream Flow Standards for Honopou, Hanehoi/Puolua (Huelo), Waikamoi, Alo, Wahinapee, Puohokamoa, Haipuaena, Punalau/Kōlea, Honomanū, Nua'ailua, Pi'ina'au, Palauhulu, 'Ōhi'a (Waianu), Waluanui, Waikani, West Waluaiki, East Wailuaili, Kopiliula, Puaka'a, Waiohue, Pa'akea, Waiaka, Kapaula, Hanawī, and Makapipi Streams. 6/20/2010. Case No. CCH-MA13-01.

CCH-HA11-1, 1/23/2013 Commission on Water Resource Management, State of Hawai'i. Complainant/Dispute Resolution CDR.2769.8 and Application for After-The-Fact Stream Channel Alteration Permit Stream Diversion Works Permit and Petition to Amend Instream Flow Standards (SCAP.2898.8) for Leslie Aina Weight/Robert Scott Henderson and Dr. David Jung/Mrs. Dora Okazaki Ainako Branch Stream and Ainako Stream, Hilo, Hawai'i. Appeal from the Commission on Water Resource Management. (Case No. CCH-HA11-1). 1/23/2013.

CWRM Order, 4/17/2014. CCH-MA06-01.

Commission on Water Resource Management, State of Hawai'i. Order Adopting: Hearings Officer's Recommendation on the Mediated Agreement between the Parties; and Stipulation Re Mediator's Report of Joint Proposed Findings of Fact, Conclusions of Law, Decision and Order in the matter of 'Āo Ground Water Management Area High-Level Source Water-Use Permit Applications and Petition to Amend Interim Instream Flow Standards of Waihe'e River and Waiehu, 'Āo, & WaikapūStreams Contested Case Hearing. 4/17/2014. (Case No. CCH-MA06-01.)

CWRM Action, 4/17/2017, Re: CCH-MA06-01

Mediation of the Combined Petition to Amend the Interim Instream Flow Standards for Waimea River and its Headwaters and Tributaries, and Complaint and Petition for Declaratory Order Against Waste, Filed by Po'ai Wai Ola/West Kauai Watershed Alliance (through Earthjustice); and if there is a fully executed Mediation Agreement presented, Approval or Disapproval by the Commission.

10/31/2017, CAAP-13-0000104 and CAAP-13-0000108

Intermediate Court of Appeals, State of Hawai'i. Complainant/Dispute Resolution CDR.2769.8 and Application for After-The-Fact Stream Channel Alteration Permit Stream Diversion Works Permit and Petition to Amend Instream

Flow Standards (SCAP.2898.8) for Leslie Aina Weight/Robert Scott Henderson and Dr. David Jung/Mrs. Dora Okazaki Ainako Branch Stream and Ainako Stream, Hilo, Hawai'i. Appeal from the Commission on Water Resource Management (Case No. CCH-HA11-1). 10/31/2017. NOS. CAAP-13-0000104 and CAAP-13-0000108.

CCH-HA11-1, 1/23/2013

Commission on Water Resource Management, State of Hawai'i. Complainant/Dispute Resolution CDR.2769.8 and Application for After-The-Fact Stream Channel Alteration Permit Stream Diversion Works Permit and Petition to Amend Instream Flow Standards (SCAP.2898.8) for Leslie Aina Weight/Robert Scott Henderson and Dr. David Jung/Mrs. Dora Okazaki Ainako Branch Stream and Ainako Stream, Hilo, Hawai'i. Appeal from the Commission on Water Resource Management. (Case No. CCH-HA11-1). 1/23/2013.

CWRM Action, 3/20/2018, Item B1

Commission on Water Resource Management, State of Hawai'i. Staff Submittal: Amended Interim Instream Flow Standards For the Surface Water Hydrologic Units of Ukumehame (6004), Olowalu (6005), Launiupoko (6006), and Kaua'ula (6007), Maui. 3/20/2018.

CWRM Action, 11/20/2018, Item B2

Amended Interim Instream Flow Standards For the Surface Water Hydrologic Unit of Kahoma (6008): Kahoma and KanahāStreams. Minutes.

CWRM Action, 1/15/2019, Item B2

Request Imposing a Fine Against Landowners Richard Ha, Jr. and June Ha for Diverting Water Without a Permit as Required in HRS §174C-93 and HAR §13-168-32; Approve an After-the-Fact Stream Diversion Works Permit (SDWP.4722.6) Application for up to 9.0 mgd for Hydropower, Amend the Interim Instream Flow Standard for the Wai'a'ama Stream Subject to Special Conditions Including Completion of a Remediation Plan; Wai'a'ama and Waimā'auou (Lonokaeho) Streams, Pepe'ekeo, Hawai'i, TMK: (3) 2-8-004:005. MINUTES.

CWRM Action, 3/17/2020, Submittal B2

Approval of a Surface Water Reservation of 1.60 Million Gallons per Day for the Department of Hawaiian Home Lands and Establishment of Interim Instream Flow Standards for Four Tributaries of Wailuku River, 'Āwehi, Aale, Laualu, and Kapehu Streams, in the Surface Water Hydrologic Unit of Wailuku (8138), Hilo, Hawai'i.

CWRM Action, 12/28/2001, Re: CCH-OA95-2F,D&O II.

Commission on Water Resource Management, State of Hawai'i. Findings of Fact, Conclusions of Law, and Decision and Order In the Matter of Water Use Permit Applications, Petitions for Interim Instream Flow Standard Amendments, and Petitions for Water Reservations for the Waiāhole Ditch Combined Contested Case Hearing. 12/28/2001. Case No. CCH-OA95-1.

CWRM Action, 12/28/2001, Re: CCH-OA95-2F,D&O II.

Commission on Water Resource Management, State of Hawai'i. Findings of Fact, Conclusions of Law, and Decision and Order In the Matter of Water Use Permit Applications, Petitions for Interim Instream Flow Standard Amendments, and Petitions for Water Reservations for the Waiāhole Ditch Combined Contested Case Hearing. 12/28/2001. Case No. CCH-OA95-1.

CWRM Action, 3/16/2021, Submittal B5

Amended Interim Instream Flow Standards for the Surface Water Hydrologic Unit of Lāwa'i (2050), Lāwa'i Stream at Lāwa'i Ditch, Kaua'i. Minutes.

CWRM Order, 5/18/2021, Submittal B1.

Amend Interim Instream Flow Standards for Wai'oli Stream in the Surface Water Hydrologic Unit of Wai'oli (2018), Wai'oli Stream, Halele'a, North Kaua'i

CWRM Action, 6/15/2021, Submittal B4, SDWP 5510.8.

Approve Order to Moloka'i 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 Moloka'i NōKa Heke, Moloka'i.

CWRM Order, 6/28/2021. CCH-MA15-01

Commission on Water Resource Management, State of Hawai'i. Finding of Fact, Conclusion of Law, & Decision and Order in the matter of Surface Water Use Applications, Integration of Appurtenant Rights and Amendments to the Interim Instream Flow Standards, Na Wai Eha Surface Water Management Areas of Waihee River, Waiehu Stream, Wailuku River (previously known as Iao Stream), and Waikapu Stream, Maui.

HI Supreme Court, 7/28/2021, Re: CCH-MA15-01. Remanded to 2014 CCH-MA06-01

IN THE SUPREME COURT OF THE STATE OF HAWAII'SURFACE WATER USE PERMIT APPLICATIONS,INTEGRATION OF APPURTENANT RIGHTS ANDAMENDMENTS TO THE INTERIM INSTREAM FLOW STANDARDS,NĀWAI 'EHĀSURFACE WATER MANAGEMENT AREAS OFWAIHE'E RIVER, WAIEHU STREAM, WAILUKU RIVER(PREVIOUSLY KNOWN AS 'ĪAO STREAM)AND WAIKAPŪSTREAM, MAUI.

CWRM Action, 4/19/2022, Submittal C2

Approve Temporary Relief for a Period of 60 Days from theInterim Instream Flow Standard for Kaua'ula Stream, Kaua'ula Stream, Lahaina, Maui,To Provide for the Continued Diversion of 300,000 Gallons Per Day DuringLow-Flow Conditions to Kuleana Users and Kamehameha Schools' Tenants

CWRM Action, 11/15/2022, Submittal B5

Address the Petition to Amend Instream Flow Standards (PAIFS.5784.6) by Amending the InterimInstream Flow Standards and Reserving a Portion of the Flow for the Department of Hawaiian Home Lands for the Huelo-Region Surface Water Hydrologic Units of Ho'olawa (6035), Waipi'o (6036), Hoalua (6038), Hanawana (6039), Kailua (6040), Naililihaele (6041), Puehu (6042), 'O'opuola (6043), Ka'aiea (6044), Punalu'u (6045), Kōlea (6046), East Maui (58.6 MB). Minutes.

HI State Supreme Court, 6/20/2024. SCOT-21-0000581 Re: CCH-MA-15-01

In the Supreme Court of the State of Hawaii, Surface Water Use Permit Applications, amendments to the Interim Instream Flow Standards, Na Wai Eha Surface Water Management Areas of Waihee River, Waiehu Stream, Wailuku River, (previously Known as Ial Stream) and Waikapu Stream, Maui. SCOT-21-0000581 Appeal from the Commission on Water Resources Management (Case No. CCH-MA 15-01 (Agency Appeal)