

2014 STATE OF HAWAII WATER QUALITY MONITORING AND ASSESSMENT REPORT:

Integrated Report to the U.S. Environmental Protection Agency and the U.S. Congress
Pursuant to §303(d) and §305(b), Clean Water Act (P.L. 97-117)



The Hawaii State Department of Health
Clean Water Branch
Honolulu, Hawaii
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EXECUTIVE SUMMARY

The Hawaii State Department of Health (HIDOH) is required by the Clean Water Act (CWA) Sections (§) 303(d) and 305(b) to report on the State's water quality on a two year cycle. The CWA §305(b) requires states to describe the overall status of water quality statewide and the extent to which water quality provides for the protection and propagation of a balanced population of shellfish, fish, and wildlife, and allows recreational activities in and on the water. The CWA §303(d) requires states to submit a list of waters that do not attain or maintain applicable water quality numeric criteria, plus a priority ranking of impaired waters for Total Maximum Daily Loads (TMDL) development based on the severity of pollution and the uses of the waters.

In addition to satisfying CWA requirements, the goal of 2014 Integrated Report (IR) is to inform the public on the status of marine and inland freshwater bodies, and to serve as a planning document to guide other CWA programs. The CWB (Clean Water Branch) monitoring efforts provide the overall data used in determining the status of water quality statewide. Impaired waters in the IR may be targeted for further monitoring activities for TMDL and WBP (watershed based plan) development and set restrictions on NPDES (National Pollutant Discharge Elimination System) permit conditions. The Polluted Runoff Control Program will rely on the IR to target its limited resources in watersheds that may demonstrate the greatest water quality improvements. The IR not only identifies impairments and associated pollutants for the program to address, but serves as a baseline to validate efforts to improve water quality and eventually delist impaired waters. Impairments may result in specific requirements in NPDES Permits and §401 Water Quality Certifications (WQCs) to target the pollutants of concern.

The 2014 IR highlights water body improvements and new impairments from a pollutant standpoint. This is a first step in creating a more integrated, comprehensive assessment methodology. In addition, future monitoring efforts will focus on collecting data for watershed scale assessments, allowing for a more seamless integration of water body types and surrounding land use.

The 2014 IR encompasses previous assessments from the 2012 IR and documents changes based on new data evaluation. New assessments are based on data collected from November 1, 2011 to October 31, 2013. This report is taking a different approach from previous reports by assessing State water bodies on a two year cycle. The basis for a two year assessment period is the incorporation of *new*, readily available data (post 2012 IR assessment cycle) to determine the current status of State waters while also coinciding with the CWA reporting cycle requirement.

The State of Hawaii contains approximately 303 miles of marine recreational shoreline, 3,326 miles of rivers and streams, 37 square miles of bays and harbors and 5 square miles of lakes and reservoirs. Approximately 575 marine water bodies are established statewide. Based on new, readily available water quality data only 160 (28%) marine water bodies are assessed in this report. Of the 160 marine water bodies assessed statewide, 136 (85%) do not attain State numeric water quality criteria for at least one or more conventional pollutants.

Across the State turbidity numeric criteria are exceeded most frequently (86%) in assessed marine water bodies, followed by nutrients (46%). Although nutrients are the second most common pollutant to initiate a Category 5 designation (non-attainment) over half (54%) of the nutrient assessments result in the attainment of numeric water quality criteria. Similar to nutrients, chlorophyll *a* indicates attainment of numeric water quality criteria (65%). Attainment of recreational health (bacteria) criteria is observed in 90% of bacterial assessments.

On an island basis Kauai shows the highest percentage of turbidity impairments (100%) in assessed marine water bodies, followed by Maui (92%), Hawaii (80%) and Oahu (78%). Marine water bodies assessed on Maui and Hawaii indicate non-attainment of nutrient numeric criteria (70% and 73%, respectively); while Kauai, Oahu and Lanai show a majority of assessed marine water bodies attain for nutrients (56%, 95% and 88%, respectively). Attainment of chlorophyll *a* numeric criteria is identified in most marine water bodies assessed on Kauai, Oahu and Hawaii (100%, 69% and 53%, respectively). Attainment of bacterial water quality criteria account for over 90% of marine water bodies assessed on Oahu, Maui and Hawaii (98%, 95% and 95%, respectively) followed by Kauai (69%).

Conventional numeric water quality criteria are currently attained in four marine water bodies on Oahu; Ewa Beach, Ocean Pointe C, Pokai Bay and Sandy Beach, resulting in the removal (“delisting”) of each water body from the CWA §303(d) list of impaired waters. Ewa Beach and Pokai Bay show numeric criteria are attained for all recreational, nutrient and biogeochemical parameters. Ocean Pointe C attains numeric criteria for all nutrient and biogeochemical parameters. All (conventional pollutants) nutrients and turbidity attain numeric criteria for Sandy Beach.

Two inland freshwater bodies are assessed in this report. New, readily available data for Hanalei stream (Kauai) is compared to dry season water quality numeric criteria while Heeia stream (Oahu) is compared to dry and wet season criteria.

Hanalei stream continues to attain dry season criteria for total nitrogen (TN), NO_3+NO_2 and total suspended solids (TSS); but still exceeds criteria for bacteria. Total phosphorus is a new pollutant not meeting State numeric water quality criteria. Post TMDL implementation (2012) a measurable improvement is observed for dry season turbidity resulting in a delisting for this parameter for Hanalei stream.

Heeia stream currently attains dry season criteria for TN, resulting in a delisting for this pollutant. Numeric water quality criteria continue to attain for turbidity and TSS; however NO_3+NO_2 still exceeds criteria. Wet season criteria for Heeia stream remains impaired for NO_3+NO_2 . Total nitrogen and TSS indicate current attainment of numeric criteria. Total phosphorus does not meet numeric criteria and is identified as a new pollutant.

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LIST OF ABBREVIATIONS

§	Section
ADU	Attainment Decision Unit
BEACH	Beaches Environmental Assessment and Coastal Health
CCH	City and County of Honolulu
CCME	Canadian Council of Ministers of the Environment
CFU	Colony Forming Units
CWA	Clean Water Act
CWB	Clean Water Branch
CWRM	Commission on Water Resources Management
DMR	Discharge Monitoring Report
EAC	Environmental Assessment Company
EHASB	Environmental Health Analytical Services Branch
EPA	Environmental Protection Agency
GM	Geometric Mean
GPS	Global Positioning System
HAR	Hawaii Administrative Rules
HAS	Hawaii Stream Assessment
HIDOH	Hawaii Department of Health
HSA	Hawaii Stream Assessment
HUC-12	12-unit Hydrologic Unit Codes
IR	Integrated Report
MCS	Microbiology Consulting Services, LLC
MRC	Marine Research Consultants, Inc
NCCA	National Coastal Condition Assessment
NELHA	Natural Energy Laboratory of Hawaii Authority
NPDES	National Pollutant Discharge Elimination System
NYSDEC	New York State Department of Environmental Conservation
PCBs	Polychlorinated Biphenyls
pH	Power of Hydrogen
ppt	Parts Per Thousand
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
SLD	State Laboratories Division
STORET	STorage and RETrieval
TMDL	Total Maximum Daily Loads
TN	Total Nitrogen
TP	Total Phosphorus
TSS	Total Suspended Solids
USACE	United States Army Corps of Engineers
USGS	United States Geological Survey
WBP	Watershed Based Plan
WQ	Water Quality
WQC	Water Quality Certification
WQS	Water Quality Standards

INTRODUCTION

The 2014 Integrated Report (IR) is intended to satisfy the requirements for State reporting pursuant to Clean Water Act (CWA) §303(d) and §305(b). The CWA requires states to provide an assessment every two years on the quality of all their waters (§305(b)) and a list of those waters that are impaired or threatened (§303(d)). The 2014 IR describes the methodology, datasets and results used to develop the §303(d) list of impaired waters and §305(b) report.

The §305(b) report is the National Water Quality Inventory Report to Congress. This report in conjunction with the U.S. Environmental Protection Agency's (EPA) water quality reporting database serves as "the primary vehicles for informing Congress and the public about general water quality conditions in the United States. Together this document and database characterize our water quality and identify widespread water quality problems of national significance" (U.S. EPA National Water Quality Inventory Report to Congress 2013). The EPA recommends that states sort their surface waters into five categories according to the 2006 IR Guidance (U.S. EPA Watershed Branch 2005):

- Category 1:** All designated uses are supported, no use is threatened;
- Category 2:** Available data and/or information indicate that some, but not all of the designated uses are supported;
- Category 3:** There is insufficient available data and/or information to make a use support determination;
- Category 4:** Available data and/or information indicate that at least one designated use is not being supported or is threatened, but a Total Maximum Daily Load (TMDL) is not needed;
 - 4a:** A TMDL to address a specific segment/pollutant combination has been approved or established by EPA;
 - 4b:** A use impairment caused by a pollutant is being addressed by the State through other pollution control requirements;
 - 4c:** A use is impaired, but the impairment is not caused by a pollutant;
- Category 5:** Available data and/or information indicate that at least one designated use is not being supported or is threatened, and a TMDL is needed.

States are required to obtain and review all existing and readily available State surface water quality data and related information to compare against the State's numeric water quality criteria. Water bodies that attain State numeric water quality criteria are classified in either Category 1 or 2. Water bodies that do not meet State numeric water quality criteria are classified into Category 5 and constitute the CWA §303(d) list of impaired waters. A water pollution reduction plan, or TMDL, is required for water bodies that are impaired or not expected to meet State numeric water quality criteria, even after the application of technology-based effluent limitations in National Pollutant Discharge Elimination System (NPDES) permits. The time frame for establishing TMDLs should be 8 to 13 years from the date of the original listing per EPA guidance (U.S. EPA Watershed Branch 2005). Water bodies that have an approved TMDL are classified into Category 4a. Previously impaired water bodies (Category 5) that currently attain State numeric water quality criteria are "delisted" and reclassified into Category 1 or 2.

Hawaii's 2014 IR provides assessment results for data collected between November 2011 and October 2013. The basis for the two year assessment period is to 1) assess new data after the 2012 IR assessment cycle ended (October 2011) and 2) maintain consistency with the CWA required two year reporting cycle. A description of the marine water body assessments and category changes since the 2012 IR are described in Chapter 1. Chapter 2 provides a description of the inland freshwater assessments and category changes since the 2012 IR. The current status of assessed State water bodies (§305(b)) and list of impaired waters (§303(d)) are described in Chapter 3.

As part of the IR process, the HDOH solicited public comments for the draft 2014 IR over a 30-day period (April 14th, 2014 – May 14th, 2014). The public comment period was advertised via the HDOH Clean Water Branch (CWB) website and local newspapers. Public comments and the HDOH responses to the 2014 IR are provided in a separate document via the CWB website (<http://health.hawaii.gov/cwb/>).

PART A. BACKGROUND

A.1. Total Waters

The State of Hawaii contains approximately 303 miles of recreational shoreline, 3,326 miles of rivers and streams, 37 square miles of bays and harbors and 5 square miles of lakes and reservoirs. The health of Hawaii's inland and marine waters is vital to the communities for subsistence, cultural practices and recreation. Additionally, the State's economy is largely dependent on the quality of its shorelines and beaches, which provide year round recreational activities. Therefore, it is imperative to conduct monitoring on a year round basis.

A.2. Water Pollution Control Program

The HDOH, CWB is the state agency responsible for protecting and restoring coastal and inland water resources. The CWB's mission is to 1) protect the public health of residents and tourists who recreate in and on Hawaii's coastal and inland water resources and 2) protect and restore coastal and inland waters for marine life and wildlife.

The CWB strives to meet these objectives by implementing delegated programs in support of the CWA. The CWA components addressed within the CWB include Water Quality Standards (WQS), Enforcement and Compliance, National Pollutant Discharge Elimination System (NPDES) permits, Water Quality Certification (WQC), surface water quality monitoring and assessment, TMDLs and Polluted Runoff Control. These programs are designed to work in close association to ensure that Hawaii's water resources are protected and restored. More information on the responsibilities and organizational structure of the CWB can be found in the HDOH CWB Quality Assurance Program Plan and on the CWB website.

State waters are monitored for bacterial indicators, nutrients and biogeochemical parameters to determine overall recreational and ecosystem health. Most of the monitoring efforts are currently focused on coastal areas with limited inland water monitoring. A majority of the data assessed in the IR comes from routine beach monitoring conducted by the CWB, receiving water quality data from NPDES permitted facilities via discharge monitoring reports (DMRs), private contractors and community assisted monitoring groups (Appendix B).

A.2.1. Hawaii Water Quality Standards

Hawaii's WQS describe the goals for different types of water bodies throughout the State. The WQS describe the appropriate uses for each water body, specify the criteria necessary to protect the designated uses, and set guidelines to protect and maintain water quality (antidegradation policy).

The Hawaii State WQS, described in Hawaii Administrative Rules (HAR), Title 11, Chapter (Ch.) 54, Section 1.1 (HAR §11-54-1.1), defines a general policy of water quality antidegradation for all water types as follows:

- (a) Existing uses and the level of water quality necessary to protect the existing uses shall be maintained and protected.
- (b) Where the quality of the waters exceed levels necessary to support propagation of fish, shellfish, and wildlife and recreation in and on the water, that quality shall be maintained and protected unless the director finds, after full satisfaction of the intergovernmental coordination and public participation provisions of the state's continuing planning process, that allowing lower water quality is necessary to accommodate important economic or social development in the area in which the waters are located. In allowing such degradation on lower water quality, the director shall assure water quality adequate to protect existing uses fully. Further, the director shall assure that there shall be achieved the highest statutory and regulatory requirements for all new and existing point sources and all cost-effective and reasonable best management practices for nonpoint source control.
- (c) Where existing high quality waters constitute an outstanding resource, such as waters of national and state parks and wildlife refuges and waters of exceptional recreational or ecological significance, that water quality shall be maintained and protected.
- (d) In those areas where potential water quality impairment associated with a thermal discharge is involved, the antidegradation policy and implementing method shall be consistent with section 316 of the Clean Water Act.

State surface waters are classified as inland or marine waters. Inland waters are comprised of water body types such as streams, estuaries, lakes and reservoirs, wetlands, and anchialine pools. Marine water body types are comprised of embayments, coastal, and oceanic waters and classified into class A and AA (both bounded by 100 fathom contour or 600 foot depth contour). Numeric WQ criteria, henceforth referred to as WQS, are applicable to streams, estuaries, embayments, coastal and oceanic waters.

A.3. Special State Concerns and Recommendations

A.3.1. Ocean Acidification

Ocean acidification is a global issue and naturally a topic of keen interest for state and federal agencies, and numerous stakeholders in Hawaii. Requests have been sent to the CWB to assess data in regards to concerns over ocean acidification in Hawaii's marine and inland waters. In response the CWB has assessed all readily available pH data spanning a two year time frame, as specified in the 2014 IR. Water body assessments indicate pH meets the numeric water quality criteria as outlined in HAR Ch. 11-54. The CWB plays a decided role in water quality

assessment and determining the health of Hawaii's water bodies as compared to the water quality standards. However, ocean acidification is an issue that deserves collective decision-making by multiple agencies and stakeholders, and should not be addressed by a single state agency. The CWB looks forward to collaborating with our stakeholders and other government agencies on this important global issue.

A.3.2. Future Monitoring Recommendations

Future monitoring efforts will focus on collecting data for statewide watershed assessments, allowing for a more seamless integration of water body types and surrounding land use.

Upcoming reports will utilize State watershed delineations and other geographical attributes as the basis for identifying all waters and defining decision units within the State. Currently, the CWB is in the process of developing a standardized assessment methodology which includes grouping marine water bodies with their associated 12-unit hydrologic unit code (HUC-12) watershed (Appendix A) and statewide watershed delineations. The CWB will provide a public comment period when the standardized assessment methodology has been completed.

CHAPTER 1
MARINE WATERS

PART A. SCOPE OF WATERS

Chapter 1 of the 2014 IR covers all waters of salinity greater than 0.5 parts per thousand (ppt), which includes estuaries and marine waters as described in Hawaii's WQS, Hawaii Administrative Rules, Title 11, Chapter 54 (HAR Ch. 11-54). Estuaries are categorized as inland waters but are included in this chapter because of salinity values greater than 0.5 ppt. Marine waters are separated according to water body type: embayments, open coastal and oceanic waters. Specific numeric nutrient criteria are applicable to each water body type.

PART B. SURFACE WATER MONITORING AND ASSESSMENT

B.1. Monitoring Program

The CWB monitoring and analysis section monitors State surface waters, updates the WQS, conducts assessments for the §303(d) list of impaired waters and §305(b) report, and develops TMDLs. This statewide monitoring program maintains staff on Kauai, Oahu, Maui, and Hawaii. Current CWB monitoring efforts are limited to near shore marine recreational waters (shoreline to 300 m offshore).

In order to provide more monitoring coverage throughout the State the CWB partners with community monitoring groups such as the Surfrider Foundation, Kauai Chapter, to form assisted monitoring programs. Data generated from partnerships provide more information about the current status of marine recreational waters to local communities and are used in water body assessments.

Collaboration between the HDOH and other state and federal agencies, including private consulting firms, is another key component of the monitoring program. The CWB participates in national assessments sponsored by EPA. In 2010 the HDOH participated in EPA's National Coastal Condition Assessment (NCCA) by conducting a statewide survey of Hawaii's coastal waters. Initially the islands of Oahu, Niihau, Maui, Kahoolawe, Lanai, and Hawaii were surveyed. Since the island of Kauai was not included in the initial statewide survey, the HDOH applied the same 2010 NCCA design to Kauai in 2011. The HDOH focused the 2010 design on the island of Hawaii in 2012 and Maui in 2013. To complete this cycle, the CWB will survey Oahu in 2014. Field sampling was carried out by Steve Dollar at Marine Research Consultants, Inc (MRC). The CWB has also partnered with the Division of Aquatic Resources, Department of Land and Natural Resources in the EPA National Lakes Assessment in 2012 and National Rivers and Stream Assessment in 2013-2014. Additionally, the CWB has provided pesticide monitoring assistance in a joint United States Geological Survey (USGS)/Hazard Evaluation and Emergency Response Program on the islands of Kauai, Oahu, Maui and Hawaii.

Water quality data generated from NPDES permits and CWA §401 WQ Certifications result in greater statewide coverage and comprehensive assessments at no increased cost to the HDOH program. The coordination between multiple agencies and permit applicants also provides for expediting the permitting process through early plan reviews and dialogues in preconstruction meetings.

B.1.1. Monitoring Strategy Overview

State surface waters are monitored and assessed for recreational and ecosystem health. Recreational health is assessed using bacterial indicators, while overall ecosystem health is assessed using nutrient and biogeochemical data.

B.1.2. Bacterial Indicator Sampling

Select near shore marine recreational waters throughout the State are regularly monitored to ensure the safety of swimmers, surfers, divers, and other recreational users. Results from monitoring activities provide the information needed to make daily assessments in addition to providing an ongoing baseline from which to establish trends in the future.

Recreational health is assessed by enumerating enterococci, the recommended EPA fecal indicator bacteria for marine recreational waters. The presence of enterococci in sufficient numbers “indicates the potential for human infectious diseases” as is defined in the CWA §502(23) (U.S. EPA Office of Water 2012). Exceedence of the WQS for enterococci is generally thought to indicate the presence of human fecal contamination, and hence, the presence of pathogens.

Bacterial evaluations are used to inform daily assessments and long term decisions (e.g. Integrated Report) regarding recreational water quality health and safety. Daily assessments involving beach closures and notifications utilize a two organism approach, with *Clostridium perfringens*, an anaerobic bacterium, serving as a secondary tracer along with enterococci to confirm that high bacterial numbers are the result of sewage related discharges. Research shows that enterococci isolated from environmental samples can originate from sources other than human fecal matter (Gruber et al. 2005). In addition, soils are thought to be a major source of enterococci to Hawaiian streams (Hardina and Fujioka 1991; Byappanahalli and Fujioka 2004), highlighting the limitations of using enterococcus as a sole indicator for Hawaii. The HDOH recognizes there are no perfect bacterial indicators, and supports using a variety of methods such as sanitary surveys, molecular source tracking and best professional judgement as additional lines of evidence for assessment purposes.

B.1.3. Nutrient and Biogeochemical Sampling

Samples are periodically collected for nutrient and biogeochemical analysis, providing data for IR assessments. The nutrient parameters include total nitrogen (TN), nitrate+nitrite-nitrogen (NO_3+NO_2), ammonia-nitrogen (NH_4) and total phosphorus (TP). Samples collected along the Kona (west) coast of the island of Hawaii are processed for total dissolved nitrogen (TDN), total dissolved phosphorus (TDP) and orthophosphate (PO_4) in addition to nitrate+nitrite-nitrogen (NO_3+NO_2) and ammonia-nitrogen (NH_4) (HAR §11-54-6(d)). Biogeochemical parameters include turbidity, total suspended solids (TSS) and chlorophyll *a*.

B.1.4. Quality Assurance/Quality Control

The CWB monitoring and analysis section Quality Assurance/ Quality Control (QA/QC) is governed by the CWB Beach Monitoring Quality Assurance Project Plan (QAPP) and the Coastal Chemistry Monitoring QAPP.

B.1.5. Laboratory Analytical Support

The HODOH uses three Hawaii-based laboratories for analysis of samples: the Environmental Health Analytical Services Branch (EHASB) of the State Laboratories Division (SLD), Natural Energy Laboratory of Hawaii Authority (NELHA) and Microbiology Consulting Services, LLC (MCS). The State maintains microbiology laboratories on the four largest islands (Kauai, Oahu, Maui and Hawaii) which conduct bacterial analysis for their respective islands, with the exception of West Hawaii. MCS has analyzed bacterial samples for West Hawaii since July 2007. The EHASB analyzes bacterial samples collected by HODOH personnel on Oahu and chemical samples collected by HODOH personnel on Kauai, Oahu, Maui and Hawaii.

B.1.6. Data Storage, Management and Sharing

The CWB bacterial dataset extends from 1973 to the present, and the nutrient and biogeochemistry dataset extends from 2006 to the present. Water quality data currently generated from CWB coastal monitoring is available on the CWB's website and EPA's STORage and RETrieval (STORET) database. The STORET database contains all post 1999 sampling data from the CWB's fixed network of routine monitoring stations. Data collected before 1999 are stored in the "Legacy STORET Database." The end-users of the STORET database system include government agencies, consultants, students and the general public.

B.2. Assessment Methodology

A formal call for data was announced early in 2013 and closed in November 2013. Marine and inland (streams and estuaries) water bodies monitored between November 2011 and October 2013 are assessed in this report. Multiple sources ranging from partnerships with private consulting firms, community assisted monitoring groups and NPDES permitted facilities have provided some of the data the CWB assessed (Appendix B). New, readily available data that meet the CWB's Quality Assurance/Quality Control (QA/QC) requirements are considered for assessment in the 2014 IR. Any datasets (minimum of 10 samples) submitted that do not meet data submittal requirements are not assessed.

Decisions for listing/delisting (§303(d)) conventional pollutants are based on the quality and quantity of data (Figure 1), water body type and applicable State WQS. Numerous categories may be necessary to describe the current status (§305(b)) of a water body, due to assessing multiple parameters. The attainment of WQS for one parameter but not another, results in the assignation of one or more categories to a water body.

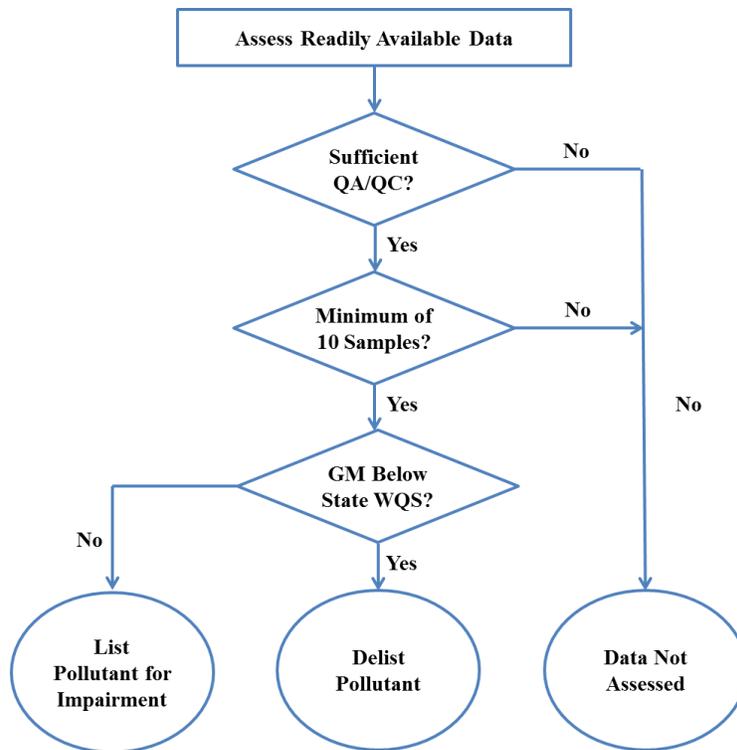


Figure 1. Flow chart of the listing/delisting process for conventional pollutants (enterococci, TN, NO₃+NO₂, NH₄, TP, PO₄, turbidity, TSS and chlorophyll *a*).

B.2.1. Assessment Units

Hawaii's topographical structure is comprised of short, small watersheds defined by steep mountain walls. Fronting marine waters are largely influenced by streams and groundwater sources located in the associated watershed. Coastal waters, especially near shore marine recreational waters can be viewed as an extension of the watershed. Assessment units are based on the water body types described in the WQS and the premise that water quality in near shore marine recreational waters is likely to be different than waters located offshore.

Assessment units for the 2014 IR remain the same as in previous reports. Most assessment units are represented by one sampling station identified as a marine water body; however there are some instances where one assessment unit is represented by multiple sampling stations within a marine water body.

B.2.2. Recreational WQ Assessment

Attainment of water quality goals for recreational use is determined by comparing enterococci numbers to Hawaii's water quality criteria for enterococci (HAR §11-54-8(b)). Criteria applied to the data depend on frequency of collection. Frequently collected data are assessed by calculating a monthly (25-30 days) geometric mean (GM). Less frequently collected data are allowed to exceed 104 CFU/100 mL in 10% of the total samples (Table 1). Data collected at multiple depths (surface, middle and depth) are combined within the 25-30 day assessment period.

Table 1. Enterococci WQS attainment/non-attainment based on sample number/frequency.

Sample Number/Frequency	WQS Attained	WQS Not Attained (Impaired)
≥ 5 samples within 25-30 days	GM ≤ 35 CFU/100 mL	GM > 35 CFU/100 mL
< 5 samples within 25-30 days	10% or less of total samples ≤ 104 CFU/100 mL	More than 10% of total samples > 104 CFU/100 mL

B.2.3. Ecosystem Health WQ Assessment

Attainment of water quality goals for ecosystem health in marine waters is determined by comparing nutrient concentrations and biogeochemical parameters to the numeric water quality criteria specified in HAR §11-54-6. In contrast to the monthly GM used to assess recreational health, ecosystem health assessment is based on one calculated GM for the two year period (minimum of 10 samples). In addition, numeric nutrient criteria vary depending on marine water body type, whereas bacterial water quality criteria remain the same for all marine waters (Table 2). For marine waters where transect data are available at multiple depths, data are grouped according to distance from shoreline and combined for assessment decisions (Table 2).

Table 2. Applicable water quality criteria and assessment unit boundaries for marine water bodies.

Assessment Unit	Description	Applicable Recreational WQ Criteria	Applicable Nutrient WQ Criteria
Estuaries	As defined in §11-54-2	HAR §11-54-8	Estuary, HAR §11-54-5.2
Embayments	As defined in §11-54-6	HAR §11-54-8	Embayment, HAR §11-54-6 (a)
Near Shore Marine Recreational Waters	Shoreline to 300 m offshore	HAR §11-54-8	Open Coastal, HAR §11-54-6 (b)
Open Coastal Marine Waters	300 m offshore to 183 m (600 ft) depth contour	HAR §11-54-8	Open Coastal, HAR §11-54-6 (b)
Oceanic Waters	183 m (600 ft) depth contour to 3 miles offshore	HAR §11-54-8	Oceanic, HAR §11-54-6 (c)

B.2.4. Assessment Codes (Geocode IDs)

The alphanumeric codes (geocodes) assigned to each marine water body in the 2012 IR are retained in the 2014 IR. Two sets of geocodes exist in the Hawaii structure, a 2-letter alphanumeric (HI) and 3-letter alphanumeric (HIW). The numeric portion of both geocodes is preceded by the State abbreviation (HI) as suggested by EPA protocol. The 2-letter geocode is from an existing structure of the EPA’s Beaches Environmental Assessment and Coastal Health (BEACH) program that identifies recreational waters across the State. The 3-letter code is generated in response to areas where BEACH codes do not exist and areas that are divided into small subsections. Each code is comprised of a total of eight characters, and is not ordered.

B.3. Assessment Results

Statewide

Approximately 575 marine water bodies are established statewide. Based on new, readily available water quality data only 160 (28%) marine water bodies are assessed in this report. Of the 160 marine water bodies assessed statewide, 136 (85%) do not attain State numeric water quality criteria for at least one or more conventional pollutants (Table 3). It should be noted that not all parameters are assessed for every water body due to unavailability of new data.

Table 3. Marine water body attainment (A) and non-attainment (N) of WQS for conventional pollutants summarized by island. -- =not assessed.

Island	Total Assessed Marine Water Bodies	Bacteria		Nutrients		Turbidity		Chlorophyll <i>a</i>	
		A	N	A	N	A	N	A	N
Kauai	32	20	9	18	14	0	30	8	0
Oahu	51	40	1	53	3	7	25	9	4
Molokai	--	--	--	--	--	--	--	--	--
Lanai	2	--	--	7	1	1	1	1	1
Maui	24	19	1	12	28	2	22	5	5
Hawaii	51	39	2	17	45	10	41	8	7
Total	160	118	13	107	91	20	119	31	17

Across the state turbidity standards are exceeded most frequently (86%), followed by nutrients (46%). Although nutrients are the second most common pollutant to initiate a Category 5 designation over half (54%) of the nutrient assessments result in the attainment of WQS. Similar to nutrients, chlorophyll *a* indicates attainment of WQS (65%). Attainment of recreational health criteria is observed in 90% of bacterial assessments.

The most common pollutant to trigger a marine §303(d) listing is turbidity resulting in 117 impairments statewide (Table 3). Turbidity is the sole cause of impairment (Category 5 designation) in 40 of those 117 exceedences (34%) (Appendix C).

By Island

Kauai shows the highest percentage of turbidity impairments (100%) in assessed marine water bodies, followed by Maui (92%), Hawaii (80%) and Oahu (78%). Marine water bodies assessed on Maui and Hawaii indicate non-attainment of nutrient numeric criteria (70% and 73%, respectively); while Kauai, Oahu and Lanai show a majority of assessed marine water bodies attain for nutrients (56%, 95% and 88%, respectively). Attainment of chlorophyll *a* numeric criteria is identified in most marine water bodies assessed on Kauai, Oahu and Hawaii (100%, 69% and 53%, respectively). Attainment of bacterial water quality criteria account for over 90% of marine water bodies assessed on Oahu, Maui and Hawaii (98%, 95% and 95%, respectively) followed by Kauai (69%) (Table 3).

B.3.1. Delisted Marine Water Bodies

Water quality standards for conventional pollutants are currently attained in four marine water bodies on Oahu; Ewa Beach, Ocean Pointe C, Pokai Bay and Sandy Beach, resulting in the removal (“delisting”) of each water body from the CWA §303(d) list of impaired waters. Ewa Beach and Pokai Bay show standards are attained for all recreational, nutrient and biogeochemical parameters. Ocean Pointe C attains WQS for all nutrient and biogeochemical parameters. All (conventional pollutants) nutrients and turbidity attain standards for Sandy Beach (Table 4).

Table 4. Marine water bodies delisted for conventional pollutants. TN=total nitrogen; NO₃+NO₂=nitrate+nitrite-nitrogen; NH₄=ammonia-nitrogen; TP=total phosphorus; Turbidity; Chl *a*=chlorophyll *a*; A=delisted pollutant (attainment of State WQS); ?=insufficient data.

Island	Scope of Assessment	Geocode ID	Enterococci	TN	NO ₃ + NO ₂	NH ₄	TP	Turbidity	Chl <i>a</i>
Oahu	Ewa (Open Coastal)	HIW00189	<u>A</u>	A	A	A	A	A	A
Oahu	Ocean Pointe C	HIW00132	?	<u>A</u>	<u>A</u>	<u>A</u>	A	<u>A</u>	<u>A</u>
Oahu	Pokai Bay (Open Coastal)	HIW00018	A	A	A	A	A	<u>A</u>	A
Oahu	Sandy Beach (Open Coastal)	HIW00191	?	<u>A</u>	A	A	A	A	?

The 2014 IR continues to implement a multi-category listing method (Category 1-5) to characterize current water quality status (e.g. new impairment listing, delisting, etc) across the State. All changes that have occurred since the previous listing cycle (2012 IR) as a result of new data analysis are documented (Table 5). The following table details how a marine water body is assigned a different numerical category and includes reasons for those changes.

Table 5. Category changes from the 2012 listed marine water bodies that identify conventional pollutants where a change has occurred (e.g. new impairment listing, delisting, etc.). Pollutants: Entero=enterococci; TN=total nitrogen; TDN=total dissolved nitrogen; NO₃+NO₂=nitrate+nitrite-nitrogen; NH₄=ammonia-nitrogen; TP=total phosphorus; TDP=total dissolved phosphorus; PO₄=orthophosphate; Turbidity; Chl *a*=chlorophyll *a*. Summary rationale codes: NND=new numerical data; NL=new impairment listing (assign category 5); DL=delisting (category change from 5 to 2; A2=assign category 2; category change from 3 to 2; CC=criteria change. Marine waters are sorted by island, north to south.

KAUAI					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Anahola Beach	HI823433	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Beach House Beach	HI156238	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Brennecke Beach	HI166521	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Hanalei River (End of Weke Road)	HI385259	TN		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
		NO ₃ +NO ₂		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
		Chl <i>a</i>		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
		NH ₄	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

KAUAI					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Hanalei River (End of Weke Road)	HI385259	TP	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Hanama'ulu Bay (Beach)	HIW00094	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kalihiwai Bay	HI264001	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kapa'a Beach Co. Park	HI972832	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kee Beach	HI124511	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Kekaha Beach Co. Park	HI530569	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Koloa Landing	HI955435	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Lumaha'i Beach	HI889639	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

KAUAI					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Lydgate Park	HI798758	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Nawiliwili Bay (Kalapaki Beach)	HIW00114	Entero	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Nawiliwili Bay (Nawiliwili Harbor)	HIW00115	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Chl <i>a</i>	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Nukolii Beach Park	HI502794	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Pacific Missile Range Facility/Barking Sands Beach	HI176480	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		TN		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.

KAUAI					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Pacific Missile Range Facility/Barking Sands Beach	HI176480	NO ₃ +NO ₂		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
		TP		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
		Chl <i>a</i>		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
		NH ₄		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
Po'ipu Beach Co. Park	HI396850	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Polihale State Park	HI247403	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Port Allen Boat Harbor (Port Allen Pier)	HIW00026	NO ₃ +NO ₂	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Salt Pond Beach Co. Park	HI701008	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

KAUAI					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Sheraton Beach	HI542569	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Waikoko Estuary	HIW00162	Enterococci	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		TP	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH ₄	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO ₃ +NO ₂	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		TN	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Chl <i>a</i>		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
Wailua (Wailua River Station)	HI606168	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

KAUAI					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Waimea Rec. Pier St. Park	HI245235	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Waioli Stream Estuary	HIW00163	Entero	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		TP	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH ₄	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO ₃ +NO ₂	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		TN		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
		Chl <i>a</i>		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
Waipa Stream Estuary	HIW00164	Entero	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

KAUAI					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Waipa Stream Estuary	HIW00164	TP	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH ₄	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO ₃ +NO ₂		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
		TN		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
		Chl <i>a</i>		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.

OAHU					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Ala Moana Beach (Diamond Head)	HIW00002	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Bellows Field Beach Co. Park (Waimanalo Stream Mouth)	HIW00081	NO ₃ +NO ₂	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH ₄	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Chl <i>a</i>	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		TP	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		TN		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
Campbell Industrial	HIW00187	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Chun's Reef	HI950962	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

OAHU					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Ewa (Open Coastal)	HIW00189	Entero	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Kahanamoku Beach	HI366432	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kualoa Co. Regional Park	HI848207	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kuhio Beach	HI681782	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Magic Island	HI529142	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Makapuu Beach	HI723399	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Malaekahana State Park	HI137325	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Ocean Pointe C	HIW00132	TN	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.

OAHU					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Ocean Pointe C	HIW00132	NO ₃ +NO ₂	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		Turbidity	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		Chl <i>a</i>	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		NH ₄	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Ocean Pointe Control	HIW00129	TN	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		NO ₃ +NO ₂	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Ocean Pointe E	HIW00130	TN	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		NO ₃ +NO ₂	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.

OAHU					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Ocean Pointe E	HIW00130	Chl <i>a</i>	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Ocean Pointe W	HIW00131	TN	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		NO ₃ +NO ₂	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Ocean Pointe KA	HIW00210	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Chl <i>a</i>	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Ocean Pointe PR	HIW00211	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Pokai Bay (Open Coastal)	HIW00018	Turbidity	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Royal-Moana Beach	HI898947	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

OAHU					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Sandy Beach (Open Coastal)	HIW00191	TN	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Sans Souci	HI617815	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Sunset Beach	HI860544	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Waimanalo Beach Co. Park (South)	HIW00174	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Waimea Bay	HIW00128	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
White Plains Beach	HI267023	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

LANAI					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Hulupoe Bay	HIW00177	TN	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		Chl <i>a</i>	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Kaluakoi Point to Huawai Bay	HIW00135	TN	Delist Pollutant	NND, NL	DELIST cat. 2; Assessment of data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		NH ₄	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.

MAUI					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Kaanapali (Kahekili Beach)	HI643627	Wet/Dry Criteria	Change Criteria	CC	Assessment of new data supports change in criteria from dry to wet.
		NO ₃ +NO ₂	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		NH ₄	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Kalama Beach Co. Park (Cove Park)	HI705118	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kalepolepo (Waimahaihai)	HIW00141	TN	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Kamaole Beach 1	HI761092	TP	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Makena Landing-Maluaka Beach	HIW00142	Chl <i>a</i>	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Maliko Bay	HI423064	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

MAUI					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Oneloa Beach (Big Beach)- Ahihi-Kinau	HIW00144	Chl <i>a</i>	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Oneuli Beach	HI756040	Chl <i>a</i>	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		TP	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Poolenalena-Makena Landing	HIW00143	Chl <i>a</i>	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Waiehu Beach Co. Park	HI916183	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

HAWAII (BIG ISLAND)					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
2nd Beach (next to Mahaiula)	HI616452	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Anaehoomalu Bay	HI326172	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Analani Pond (Puala'a)	HI707059	Entero	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Banyan's Surfing Area	HI713314	Entero	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Hilo Bay (Boat Landing)	HIW00027	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Hilo Bay (Canoe Beach)	HI315019	NH ₄	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.

HAWAII (BIG ISLAND)					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Hilo Bay (Coconut Isle)	HI977673	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Hilo Bay (Exit of Ice Pond)	HI659453	Turbidity		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
Hilo Bay (Lighthouse)	HIW00028	Entero	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		TN	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Holoholokai	HI852331	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Honaunau Bay (2 Step)	HI246645	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Ho'okena	HI152572	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
James Kealoha Park	HI670254	Turbidity		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.

HAWAII (BIG ISLAND)					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Kahalu'u Beach Co. Park	HI013290	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kahawai Bay-Mano Point	HIW00153	TDP	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		PO ₄	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Kailua Bay	HI753566	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kamakaokahonu	HIW00032	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kamakaokahonu (Kailua Pier A-1)	HI261474	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kapoho Bay	HI391407	Enterococcus	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

HAWAII (BIG ISLAND)					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Kauilii Point-Kapaa Beach Park	HIW00201	NO ₃ +NO ₂	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Kauna'oa Beach	HI261869	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kawaihae Harbor	HI978783	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Keahole Point	HIW00203	Turbidity	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		NH ₄	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		TDP	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Keauhou Bay (Kona)	HI713293	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Keaukaha Beach Park	HI849313	Turbidity		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.

HAWAII (BIG ISLAND)					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Kuki'o Bay	HIW00154	NH ₄	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Leleiwi Beach Co. Park	HI540868	Turbidity		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
Leleiwi Beach Co. Park (Richardson Ocean Center)	HIW00030	Turbidity	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Mahukona Harbor	HIW00197	Turbidity	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		TP	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Mahukona Harbor (Oceanic)	HIW00198	NH ₄	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Manini'owali	HI720408	TDP	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		PO ₄	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.

HAWAII (BIG ISLAND)					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Mauna Lani (Kalahaipua'a)	HI890924	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Miloli'i Beach	HI470112	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Onekahakaha Beach Co. Park	HI862286	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Pelekane Bay	HI738158	Entero	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Pine Trees	HI320616	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Pohoiki Beach	HI316864	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Puako	HI668132	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

HAWAII (BIG ISLAND)					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Puhi Bay	HIW00206	NO ₃ +NO ₂	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		Enterococci		NND, A2	ASSIGN cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 3 to 2.
Waiulaula	HI934020	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Waiulua Bay to Anaehoomalu Bay	HIW00148	Chl <i>a</i>	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
Wawaloli Beach	HI643938	Turbidity	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

REFERENCES

Byappanahalli, M and R. Fujioka, 2004. Indigenous soil bacteria and low moisture may limit but allow fecal bacteria to multiply and become a minor population in topical soils. *Water Science and Technology*. vol. 50, 1:27-32.

Gruber, S.J., Kay, L.M., Kolb, R., and Henry, K. 2005. Mission Bay bacterial source identification study-a clean beaches initiative grant helps track causes of contamination. *Stormwater*. vol. 6, 3:40-51.

Hardina, C.M. and R. Fujioka, 1991. Soil: the environmental source of *Escherichia coli* and Enterococci in Hawaii's streams. *Environmental Toxicology and Water Quality: An International Journal*, vol. 6, 185-195.

U.S EPA National Water Quality Inventory Report to Congress (§305(b) reports). 2013. Retrieved February 21, 2014, from <http://water.epa.gov/lawsregs/guidance/cwa/305b/index.cfm>.

U.S. EPA Office of Water. 2012. Recreational Water Quality Criteria. 820-F-12-058.

U.S. EPA Watershed Branch. 2005. *Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act*.

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CHAPTER 2
INLAND FRESHWATERS

PART A. SCOPE OF WATERS

Chapter 2 of the 2014 IR covers all inland freshwaters with salinity less than 0.5 ppt. Attainment decision units for the 2014 IR remain the same as in previous reports. Inland freshwaters are partitioned by type according to the HAR Ch. 11-54.

PART B. MONITORING AND ASSESSMENT

B.1. Basic Attainment Decision Unit

The basic (Tier I) attainment decision unit (ADU or decision unit) for Hawaii’s inland freshwaters is the entire network of hydrologically connected freshwater segments associated with a single listed stream, stream segment, or stream tributary. These freshwater segments, and ADUs, can include one or more water body type as defined by HAR Ch. 11-54, including, but not limited to intermittent streams, reservoirs, and wetlands (Table 6).

Table 6. Applicable water quality criteria and decision unit boundaries for inland freshwater bodies.

Water Body Type ¹	Applicable Water Quality Criteria ²	Decision Unit Boundary ³
Flowing Seep	Basic/Recreational	Flowpath/Flow Surface
Flowing Spring	Basic/Recreational	Flowpath/Flow Surface
Elevated Wetland	Basic/Recreational/Wetland	1987 Corps Delineation ⁴
Low Wetland	Basic/Recreational	1987 Corps Delineation ⁴
Intermittent Stream	Basic/Recreational/Water Column/Bottom	Entire Network or Sub-network ⁵
Perennial Stream	Basic/Recreational/Water Column/Bottom	Entire Network or Sub-network ⁵
Natural Freshwater Lake	Basic/Recreational	Lake
Freshwater Impoundment ⁶	Basic/Recreational	Impoundment
Reservoir	Basic/Recreational	Reservoir
Ditch	Basic/Recreational	Ditch
Flume	Basic/Recreational	Flume
Drainage Ditch ⁷	Basic/Recreational	Drainage Ditch
Canal ⁷	Basic/Recreational	Canal

¹HAR §11-54-1 inland freshwater water body types; these definitions are applied to the definition of decision units. ²HAR §11-54-4 basic water quality criteria applicable to all waters; HAR §11-54-8(a) specific criteria for inland recreational waters; HAR §11-54-5.2(b) specific criteria for stream water column; HAR §11-54-5.2(b)(2) bottom criteria for streams; HAR §11-54-5.2(c) specific criteria for elevated wetlands. ³HAR §11-54-5.1(a) establishes a system of water body classification and associated designated uses. ⁴HAR §11-54-1 “...the identification and delineation of wetland boundaries shall be done following the procedures described in the U.S. Army Corps of Engineers’ Wetland Delineation Manual (USACE 1987).” ⁵HAR §11-54-1 “Stream system” means the aggregate of water features comprising or associated with a stream, including the stream itself and its tributaries, headwaters, ponds, wetlands, and estuary. A stream system is geographically delimited by the boundaries of its drainage basin or watershed. For stream attainment decision purposes, “associated” is interpreted as “hydrologically connected” and estuaries, ditches, flumes, drainage ditches, and canals are not included in the assessment. ⁶This water body type is not defined by rule but is included in the definition of “Standing waters.” This water body type is not defined by rule but is included in the definition of “State waters.”

B.1.1. Tiered Approach

A tiered approach, linked with the assessment decision criteria first adopted in the 2002 §303(d) list of impaired waters, was used in past assessments to refine decision units for inland freshwater stream networks. Tier I ADUs are used for initial attainment decisions as governed by the current §303(d) listing criteria and for defining the geographic scope of "legacy" listings based on visual assessments. Tier II ADUs encompass segments and partial segments that can be more narrowly defined and assessed based on existing monitoring locations, data, and boundaries between water body types, and are used for attainment decisions on a case-by-case basis. Tier III ADUs are established for TMDL development and other intensive monitoring and analysis purposes. Tier IV ADUs are part of Tier III decision units and defined based on the most detailed assessment information.

B.1.2. Decision Unit Rationale and Implementation

HIDOH's current focus on defining ADUs for inland freshwaters is based on:

- (a) An assumption that streams are the most widespread and important inland freshwater body type to assess for reaching marine water quality goals;
- (b) The lack of numeric water quality standards criteria for conventional chemical and physical pollutants in most other freshwater body types;
- (c) The unavailability of a complete comprehensive water body inventory and present limitations for monitoring and assessing all water bodies, water quality criteria, and use attainment within each water body type.

ADUs for inland freshwaters do not include marine waters, inland brackish or saline waters, such as estuaries and anchialine pools. Decision unit boundaries for other inland freshwater body types are defined on a case-by-case basis when monitoring data and other assessment information is available, but generally encompass the entire water body.

B.1.3. Decision Unit Delineation, Naming, Coding and Geolocation

Numerous conventions for naming, coding, and geolocating Hawaii's water bodies and decision unit boundaries have been designed and used over time. Building a comprehensive statewide water body inventory that standardizes these conventions for use by HIDOH and others is an ongoing intergovernmental resource management task. Water body identification for inland freshwater decision units are based on the Hawaii Stream Assessment (HSA) Coding System (Hawaii Cooperative Park Service Unit 1990) with some modifications, as noted in the 2006 IR.

Geolocation of inland freshwater decision units is based upon various public domain digital coverages, HIDOH field data (global positioning system (GPS) coordinates, station description, field mapping, stream surveys, and stream assessments), and similar spatial location data submitted with third party data packages.

B.1.4. Application of Criteria to Attainment Decisions

The §303(d) list of impaired waters applies to the entire inland freshwater (salinity < 0.5 ppt) portion of a stream system, including all hydrologically connected reaches, unless a case is documented in which smaller decision units are justified. The same method also applies to other water body types.

We recommend non-HIDOH entities conducting similar monitoring, analysis, and planning activities to consult with HIDOH about sampling designs and information management protocols that will facilitate HIDOH's ability to use secondary data for attainment decisions. The entire hydrologic network within a watershed is the largest possible decision unit for inland freshwater bodies, and may include the boundaries of the following water body types as defined by HAR §11-54-1.

HIDOH encourages monitoring, analysis, and planning activities to acknowledge and consider the regulatory boundaries between specific water body types and demonstrate a rationale for segmenting each water body into smaller decision units. The EPA's 2006 IR Guidance (U.S. EPA Watershed Branch 2005) provides a summary of factors to consider in developing these rationales.

B.2. Quality Assurance/Quality Control

QA/QC procedures document data quality by describing collection and analysis procedures. HIDOH's CWB and Laboratory operate under the terms of the "Quality Management Plan for Surface Water Quality Monitoring" approved by EPA Region IX (December 9, 1999). Other data submitted from sources outside the HIDOH are evaluated against the QAPP.

B.3. Assessment Methodology

Standardized criteria enable HIDOH to periodically collect and assess datasets for water body evaluations. Datasets and supporting documentation are evaluated against numeric and narrative criteria, where applicable, for listing/delisting decisions.

State Water Quality Standards (WQS) set in HAR Ch. 11-54 for conventional pollutants, such as nutrients and sediments, are expressed in a statistical format that presents criteria in the form of GMs not to be exceeded by the GM values computed from datasets. The WQS for biogeochemical parameters in inland freshwaters are divided into "wet" (November through April) and "dry" (May through October) season criteria. This is in contrast to the "wet" and "dry" criteria applicable in marine waters, which are dependent on the amount of freshwater discharge per shoreline mile.

Similar to marine waters enterococci are the indicator bacteria used to evaluate recreational health in inland freshwaters, while biogeochemical parameters (nutrients, TSS, turbidity and chlorophyll *a*) are used to determine ecosystem health. The same methodology used for recreational and ecosystem health assessments in marine waters is applied to inland freshwaters however the assessments are separated by a wet and dry season. A minimum of 10 samples collected within each season is also required for assessment.

For toxic pollutants, such as pesticides and heavy metals which often require expensive analyses, a minimum sample size of three is required for assessment. Toxic pollutants for inland freshwaters are characterized by acute and chronic concentration criteria and fish consumption criteria. Biological surveys of aquatic communities, fish consumption advisories and reports of contaminated sediments are also eligible sources of listing information. Datasets for evaluation of narrative criteria must include at least three sampling events and represent conditions in wet and dry seasons. These narrative criteria may be evaluated using HIDOH-approved habitat or

biological assessment methodologies as long as they can be directly correlated to specific narrative criteria in HAR §11-54-4. Also, in accordance with HAR §11-54-4(b)(2)(A), acute toxicity standards for the contamination of sediment may be evaluated using broadly accepted standards such as those developed in Canada and New York (CCME 1999; NYSDEC 1999), provided that HDOH deems them appropriate for use in Hawaii.

B.4. Assessment Results

Two inland freshwater bodies are assessed in this report. New, readily available data for Hanalei stream (Kauai) is compared to dry season criteria while Heeia stream (Oahu) is compared to dry and wet season criteria.

Dry Season

Hanalei stream was initially listed impaired for bacteria and dry season turbidity in the 2006 IR. Newly assessed data show Hanalei stream still exceeds numeric water quality criteria for bacteria but remains attained for total nitrogen, NO_3+NO_2 and TSS. Total phosphorus is a new pollutant not meeting numeric criteria. Post TMDL implementation (2012) a measurable improvement is observed for turbidity resulting in a delisting for this parameter for Hanalei stream (Table 7).

Heeia stream was initially listed impaired for total nitrogen and NO_3+NO_2 during the dry season in the 2006 IR. Currently dry season criteria are attained for TN, resulting in a delisting for this pollutant (Table 7). Numeric water quality criteria continue to attain for turbidity and TSS; however NO_3+NO_2 still exceeds numeric criteria.

Wet Season

Heeia stream initially exceeded wet season criteria for NO_3+NO_2 in the 2004 IR, and based on newly assessed data remains exceeded. Total nitrogen and TSS indicate current attainment of numeric water quality criteria as in previous IRs. Total phosphorus does not meet numeric criteria and is identified as a new pollutant (Table 7).

Table 7. Category changes from the 2012 listed inland freshwater bodies that identify conventional pollutants where a *change* has occurred (e.g. new impairment listing, delisting, etc.). Pollutants: TN=total nitrogen; TP=total phosphorus; Turbidity. Summary rationale codes: NND=new numerical data; NL=new impairment listing (assign category 5); DL=delisting (category change from 5 to 2).

KAUAI					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Hanalei Stream	2-1-19	Turbidity (dry season)	Delist Pollutant	NND, NL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		TP (dry season)	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable are WQS are not being attained, resulting in a category change from 2 to 5.
OAHU					
Scope of Assessment	Geocode ID	Pollutant	Decision Action	Summary Rationale	Reason for Changes
Heeia Stream	3-2-08	TN (dry season)	Delist Pollutant	NND, DL	DELIST cat. 2; Assessment of new data indicates that applicable WQS are being attained, resulting in a category change from 5 to 2.
		TP (wet season)	List Pollutant	NND, NL	ASSIGN cat. 5; Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.

B.5. Wetlands Program

Responsibilities for wetland protection are diffused among various federal, state and county authorities. There is no formal wetland program in HDOH. However, HDOH does utilize their authority under CWA §401 (WQ Certification) to certify, waive or deny water quality certification for CWA §404 permits issued by the USACE for dredge/fill activities in waters of the U.S.

B.6. Public Health Issues

Leptospirosis Threat

Leptospirosis is not included as a specific water quality standard parameter. However, all inland freshwaters within the State are considered potential sources of Leptospirosis infection by the epidemiology section of HDOH. No direct tests have been approved or utilized to ascertain the extent of the public health threat through water sampling. Epidemiologic evidence has linked several illness outbreaks to contact with freshwater, leading authorities to issue blanket advisories for all inland freshwaters of the State.

Fish Consumption Advisory

Pearl Harbor and Ala Wai Canal have been identified and posted as areas where fish and shellfish should not be consumed. Contamination of fish and shellfish include organochlorine pesticides and/or polychlorinated biphenyls (PCBs) and lead.

REFERENCES

Canadian Council of Ministers of the Environment (CCME). 1999. *Canadian Sediment Quality Guidelines for the Protection of Aquatic Life*.

Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. U.S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report Y-87-1. 207p.

Hawaii Cooperative Park Service Unit –Western Region Natural Resources and Research Division, National Park Service. 1990. *Hawaii Stream Assessment: A Preliminary Appraisal of Hawaii's Stream Resources*. Report R-84.

New York State Department of Environmental Conservation (NYSDEC), Division of Fish, Wildlife and Marine Resources. 1999. *Technical Guidance for Screening Contaminated Sediments*.

U.S. EPA Watershed Branch. 2005. *Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act*.

CHAPTER 3
2014 §303(d) and §305(b) WATER BODY ASSESSMENTS
FOR HAWAII

2014 §303(d) and §305(b) Water Body Assessments for Hawaii

States are required to obtain and review all existing and readily available surface water quality data and related information to compare against applicable WQS. Conventional pollutants with GMs that exceed State WQS are evaluated as “not attaining” (N). These water bodies are assigned Category 5 and added to the CWA §303(d) list of impaired waters. Assessed parameters with GMs below State WQS are determined as attaining “A” and assigned Category 2 (some uses attained). If previously impaired water bodies (Category 5) currently meet State WQS (no Category 5 pollutants) they are reassigned Category 2 and “delisted” from the CWA §303(d) list of impaired waters. Water bodies with insufficient data are coded with a “?” and assigned to Category 3. Areas as well as other pollutants (e.g. metals, pesticides) not identified in the status of assessed State water bodies (§305(b)) and list of impaired waters (§303(d)) that do not have any existing and readily available data are considered to be in Category 3 (Table 8). Ensuing cycles may add water bodies as necessary.

A water pollution reduction plan, or TMDL, is required for water bodies that are impaired or not expected to meet State WQS (Category 5), even after the application of technology-based effluent limitations in NPDES permits. The prioritization (low, medium, high) of water bodies for TMDL development is based on the number of parameters not attaining state WQS, severity of exceedences and resource availability. The time frame for establishing TMDLs should be 8 to 13 years from the date of the original listing per EPA guidance (U.S. EPA Watershed Branch 2005). Water bodies with an approved TMDL for specific conventional pollutants that currently meet State WQS are evaluated as A_T and assigned Category 4a (approved TMDL). Water bodies with an approved TMDL for specific conventional pollutants that still exceed State WQS are evaluated as N_T and assigned Category 4a. Previous IRs that categorized conventional pollutants as T (approved TMDL) are updated in order to have a better understanding of previous assessments (e.g. A_T - attaining, N_T - not attaining, V_T - visual listing, etc). In 2012 TMDLs were approved for bacteria and turbidity (sediment) in Hanalei Bay (includes stations Hanalei Bay (Landing), Hanalei Bay (Pavilion), Hanalei Bay (Waioli Beach) and Hanalei Bay Mooring Station).

The 2014 water body assessments indicate where sampling has occurred. Results may not reflect all water bodies in the State. It is important to note that the assessments contain a number of water bodies similar in name to other water bodies (indicated by an asterisk *); these are not duplicates. These water bodies were listed in previous IRs as separate water bodies from similar sampling stations. Prior assessments confirmed with new data are shaded and any category changes for previously assessed waters are bolded, italicized, underlined and shaded.

Each water body assessment is categorized according to EPA methods for inland and marine waters. Water bodies are sorted by island (north to south) and then by inland (salinity < 0.5 ppt) or marine category (salinity > 0.5 ppt). For inland and marine categories the following applies:

- **Inland Scope of Assessment**
 - EN = Entire Network
 - EE = Entire Estuary
 - ER = Entire Reservoir

- EW = Entire Wetland
- EL = Entire Lake
- **Marine Water Body Type**
 - B = Embayment (as specified within HAR §11-54-6)
 - C = Open Coastal (marine waters from the shoreline to 183 m (600 ft) depth contour)
 - O = Oceanic (marine waters from the 183 m (600 ft) depth contour to 3 miles offshore)
 - E = Estuary
 - K = Kona (all marine waters of Hawaii Island from Loa Point, South Kona District, clockwise to Malae Point, North Kona District, excluding Kawaihae Harbor and Honokohau Harbor, and for all areas from the shoreline at mean lower low water to a distance 1000 m seaward (HAR §11-54-6))
 - P = Pearl Harbor

Table 8. 2014 status of assessed State water bodies (§305(b)) and list of impaired waters (§303(d)) for inland (streams) and marine waters on Kauai, Oahu, Molokai, Lanai, Maui and Hawaii.

KAUAI Stream Waters													
Assessed Water Body	Water Body Type	Scope of Assessment	Geocode ID	Season	Enterococci	TN	NO ₃ +NO ₂	TP	Turbidity	TSS	Other Pollutants	Category	TMDL Priority
Aakukui	Stream	EN	2-4-02		?	?	?	?	?	?		3	
Aliomanu	Stream	EN	2-1-36		?	?	?	?	?	?		3	
Anahola	Stream	EN	2-2-01	Dry	?	Ac	A	A	N	A		2,3,5	L
Anahola	Stream	EN	2-2-01	Wet	?	Ac	Ac	Ac	N	Ac		2,3,5	
Hanakapiai	Stream	EN	2-1-10		?	?	?	?	?	?		3	
Hanalei	Stream	EN	2-1-19	Dry	N _T	A	A	<u>N</u>	<u>A_T</u>	A _T		2,4a, <u>5</u>	TMDLs approved 2008 (Enterococci, Turbidity & TSS), <i>L (Nutrients)</i>
Hanalei	Stream	EN	2-1-19	Wet	N _T	A	A	A	A _T	A _T		2,4a	TMDLs approved 2008 (Enterococci, Turbidity & TSS)
Hanamaulu	Stream	EN	2-2-12	Dry	?	?	?	?	N	?		3,5	L
Hanamaulu	Stream	EN	2-2-12	Wet	?	?	?	?	N	?		3,5	
Hanapepe	Stream	EN	2-3-07	Dry	?	A	A	A	N	A		2,3,5	L
Hanapepe	Stream	EN	2-3-07	Wet	?	Ac	Ac	Ac	V	Ac		2,3,5	
Huleia	Stream	EN	2-2-15	Dry	N _T	N _T	N _T	A _T	V _T	A _T		4a	TMDLs approved 2008 (Enterococci, Nutrients, Turbidity & TSS)
Huleia	Stream	EN	2-2-15	Wet	N _T	A _T	A _T	A _T	A _T	A _T		4a	
Kalihiwai	Stream	EN	2-1-25		?	?	?	?	?	?		3	
Kapaa	Stream	EN	2-2-04	Dry	?	A	A	A	N	A		2,3,5	L
Kapaa	Stream	EN	2-2-04	Wet	?	A	A	A	N	A		2,3,5	
Kilauea	Stream	EN	2-1-28	Dry	?	A	A	A	N	A		2,3,5	L
Kilauea	Stream	EN	2-1-28	Wet	?	Ac	Ac	Ac	N	Ac		2,3,5	

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KAUAI Stream Waters													
Assessed Water Body	Water Body Type	Scope of Assessment	Geocode ID	Season	Enterococci	TN	NO ₃ +NO ₂	TP	Turbidity	TSS	Other Pollutants	Category	TMDL Priority
Kipu	Stream	EN	2-3-01		?	?	?	?	?	?		3	
Lawai	Stream	EN	2-3-04	Dry	?	N	N	A	N	A		2,3,5	L
Lawai	Stream	EN	2-3-04	Wet	?	Ac	Ac	Ac	N	Ac		2,3,5	
Limahuli	Stream	EN	2-1-12	Dry	?	A	N	A	?	A		2,3,5	L
Limahuli	Stream	EN	2-1-12	Wet	?	?	?	?	Ac	?		2,3	
Lumahai	Stream	EN	2-1-15		?	?	?	?	?	?		3	
Mahinauli	Stream	EN	2-4-01		?	?	?	?	?	?		3	
Manoa	Stream	EN	2-1-13	Dry	?	Ac	Ac	Ac	N1	Ac		2,3,5	L
Manoa	Stream	EN	2-1-13	Wet	?	Ac	Ac	Ac	Nc	Ac		2,3,5	
Moloaa	Stream	EN	2-1-34	Dry	?	A	A	A	N	A		2,3,5	L
Moloaa	Stream	EN	2-1-34	Wet	?	?	?	?	N	?		3,5	
Nawiliwili	Stream	EN	2-2-13	Dry	N _T	N _T	N _T	A _T	V _T	A _T		4a	TMDLs approved 2008 (Enterococci, Nutrients, Turbidity & TSS)
Nawiliwili	Stream	EN	2-2-13	Wet	N _T	N _T	N _T	A _T	A _T	A _T		4a	
Papaa	Stream	EN	2-1-35	Dry	?	N1	N1	Ac	N1	Ac		2,3,5	L
Papaa	Stream	EN	2-1-35	Wet	?	?	?	?	?	?		3	
Papakolea	Stream	EN	2-2-16	Dry	N _T	N _T	N _T	N _T	N _T	N _T		4a	TMDLs approved 2008 (Enterococci, Nutrients, Turbidity & TSS)
Papakolea	Stream	EN	2-2-16	Wet	N _T	N _T	N _T	N _T	N _T	N _T		4a	
Puali	Stream	EN	2-2-14	Dry	N _T	N _T	N _T	A _T	N1 _T	A _T		4a	TMDLs approved 2008 (Enterococci, Nutrients, Turbidity & TSS)
Puali	Stream	EN	2-2-14	Wet	N _T	Nc _T	N1 _T	Ac _T	Nc _T	Ac _T		4a	
Uhelekawawa	Stream	EN	2-2-Uhelekawawa		?	?	?	?	V	?		3,5	L
Wahiawa	Stream	EN	2-3-06	Dry	?	N1	N1	A	N1	A		2,3,5	L

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KAUAI Stream Waters

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Wahiawa	Stream	EN	2-3-06	Wet	?	Nc	Nc	Ac	Nc	Ac		2,3,5	L
Waikomo	Stream	EN	2-3-02	Dry	?	Nc	N1	Ac	N1	Ac		2,3,5	L
Waikomo	Stream	EN	2-3-02	Wet	?	Nc	Nc	Ac	Nc	Ac		2,3,5	L
Wailua	Stream	EN	2-2-08	Dry	?	Ac	Ac	Ac	N	Ac		2,3,5	L
Wailua	Stream	EN	2-2-08	Wet	?	?	?	?	?	?		3	
Waimea	Stream	EN	2-4-04	Dry	?	A	A	N	N	A		2,3,5	L
Waimea	Stream	EN	2-4-04	Wet	?	Ac	Ac	Ac	V	Ac		2,3,5	L
Waimea	Estuary	EE	2-4-04-E		?	?	?	?	V	?		3,5	L
Wainiha	Stream	EN	2-1-14	Dry	?	Ac	Ac	Ac	Ac	Ac		2,3	
Wainiha	Stream	EN	2-1-14	Wet	?	Ac	Ac	Ac	Ac	Ac		2,3	
Waioli	Stream	EN	2-1-18	Dry	?	A	A	A	A	A		2,3	
Waioli	Stream	EN	2-1-18	Wet	?	?	?	?	?	?		3	
Waipa	Stream	EN	2-1-17	Dry	?	A	A	A	N _T	A _T		2,3,4a	TMDLs approved 2008 (Turbidity & TSS)
Waipa	Stream	EN	2-1-17	Wet	?	?	?	?	?	?		3	

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KAUAI Marine Waters

Water Body Type	Scope of Assessment	Geocode ID	Wet/Dry Criteria	Enterococci	TN	NO ₃ +NO ₂	NH ₄	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category	TMDL Priority
C	Aliomanu Beach	HI710019	Wet	?	?	?	?	?	?	?		3	
C	Anahola Beach	HI823433	Wet	<u>A</u>	?	?	?	?	<u>N</u>	?		<u>2,3,5</u>	<u>L</u>
C	Anahola Beach	HI270737	Wet	?	?	?	?	?	?	?		3	
C	Anini Beach	HI338804	Wet	?	?	?	?	?	?	?		3	
C	Anini Beach Park	HI418744	Wet	<u>A</u>	?	?	?	?	<u>N</u>	?		<u>2,3,5</u>	<u>L</u>
C	Beach House Beach	HI156238	Dry	<u>A</u>	?	?	?	?	<u>N</u>	?		<u>2,3,5</u>	<u>L</u>
E	Black Pot Beach Park	HI891354	NA	?	?	?	?	?	?	?		3	
C	Brennecke Beach	HI166521	Dry	<u>A</u>	?	?	?	?	<u>N</u>	?		<u>2,3,5</u>	<u>L</u>
C	Donkey Park	HI853903	Wet	?	?	?	?	?	?	?		3	
C	Gillin's Beach	HI976083	Dry	?	?	?	?	?	?	?		3	
C	Glass Beach	HI949505	Wet	?	?	?	?	?	?	?		3	
C	Haena Beach Park	HI554189	Wet	<u>A</u>	?	?	?	?	<u>N</u>	?		<u>2,3,5</u>	<u>L</u>
C	Hanakapi'ai Beach	HI797414	Wet	?	?	?	?	?	?	?		3	
B	Hanalei Bay (Landing)	HIW00093	Wet	<u>N_T</u>	?	?	?	?	<u>N_T</u>	?		<u>3,4a</u>	<i>TMDLs approved 2012 (Enterococci & Turbidity)</i>
B	Hanalei Bay (Pavilion)	HIW00092	Wet	<u>A_T</u>	?	?	?	?	<u>N_T</u>	?		<u>2,3,4a</u>	
B	Hanalei Bay (Waioli Beach)	HIW00091	Wet	<u>A_T</u>	?	?	?	?	<u>N_T</u>	?		<u>2,3,4a</u>	
B	Hanalei Bay Mooring Station*	HIW00157	Wet	<u>N</u>	?	?	?	?	?	?		<u>3,4a</u>	
E	Hanalei Bay upstream of Dolphin*	HIW00160	NA	?	?	?	?	?	<u>N_T</u>	?		3,4a	TMDLs approved 2008 (Enterococci & Turbidity)
E	Hanalei River (End of Weke Road)	HI385259	NA	<u>N_T</u>	<u>A</u>	<u>A</u>	<u>N</u>	<u>N</u>	<u>N_T</u>	<u>A</u>		<u>2,4a,5</u>	TMDLs approved 2008 (Enterococci & Turbidity), <u>L (Nutrients)</u>
B	Hanama'ulu Bay	HIW00063	Wet	?	?	?	?	?	<u>N</u>	?		3,5	<u>L</u>
B	Hanama'ulu Bay (Beach)	HIW00094	Wet	<u>N</u>	?	?	?	?	<u>N</u>	?		3,5	<u>L</u>
B	Hanapepe Bay	HIW00095	Wet	?	?	?	?	?	?	?		3	

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KAUAI Marine Waters

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B	Hanapepe Bay-from breakwater to shore and near shore waters to 30' from Puolo Point to Paakehi Point	HIW00048	Wet	?	Y	Y	?	Y	?	?		3,5	L
C	Haula Beach	HI277808	Dry	?	?	?	?	?	?	?		3	
C	Kahili Beach	HI533519	Wet	?	?	?	?	?	?	?		3	
C	Kalalau Beach	HI908803	Wet	?	?	?	?	?	?	?		3	
C	Kalihiwai Bay	HI264001	Wet	N	?	?	?	?	<u>N</u>	?		3,5	L
C	Kapa'a Beach Co. Park	HI972832	Wet	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
C	Kauapea Beach (Secret Beach)	HI669328	Wet	?	?	?	?	?	?	?		3	
C	Kawailoa Beach	HI698776	Dry	?	?	?	?	?	?	?		3	
C	Kealia	HI402035	Wet	A	?	?	?	?	?	?		2,3	
C	Kee Beach	HI124511	Wet	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
C	Kekaha Beach Co. Park	HI530569	Dry	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
C	Kepuhi Beach	HI344813	Wet	?	?	?	?	?	?	?		3	
B	Kikiaola Beach	HI119207	Dry	?	?	?	?	?	?	?		3	
B	Kikiaola Boat Harbor	HIW00112	Dry	?	?	?	?	?	?	?		3	
C	Kilauea Point Nat. Wildlife Refuge	HI471488	Wet	?	?	?	?	?	?	?		3	
C	Kipu Kai	HI266627	Wet	?	?	?	?	?	?	?		3	
C	Koloa Landing	HI955435	Dry	N	?	?	?	?	<u>N</u>	?		3,5	L
B	Kukuiula Bay	HIW00113	Dry	?	?	?	?	?	?	?		3	
B	Kukuiula Bay	HI619039	Dry	?	?	?	?	?	?	?		3	
C	Larsens Beach	HI860960	Wet	?	?	?	?	?	?	?		3	
C	Lawa'i Kai	HI434882	Wet	?	?	?	?	?	?	?		3	
C	Lumaha'i Beach	HI889639	Wet	N	?	?	?	?	<u>N</u>	?		3,5	L
C	Lydgate Park	HI798758	Wet	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
C	Maha'ulepu Beach	HI533799	Dry	?	?	?	?	?	?	?		3	
C	Mana Point	HIW00184	Dry	?	A	A	A	A	A	A		2,3	
C	Miloli'i	HI333210	Dry	?	?	?	?	?	?	?		3	

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C	Moloo'a Bay	HI547745	Wet	?	?	?	?	?	?	?		3	
C	Na Pali Coast State Park	HI709808	Wet	?	?	?	?	?	?	?		3	
B	Nawiliwili Bay (Kalapaki Beach)	HIW00114	Dry	<u>A</u>	A	N	N	A	<u>N</u>	N		2,5	M
B	Nawiliwili Bay (Nawiliwili Harbor)	HIW00115	Dry	A	A	N	N	A	<u>N</u>	<u>A</u>		2,5	M
B	Nawiliwili Bay (Offshore)	HIW00116	Wet	?	?	N	N	?	N	N		3,5	M
B	Nawiliwili Bay-from breakwater to shore	HIW00059	Dry	?	Y	Y	?	Y	Y	?		3,5	M
C	Nu'alolo	HI945520	Wet	?	?	?	?	?	?	?		3	
C	Nukolii Beach Park	HI502794	Wet	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
C	Pacific Missile Range Facility/Barking Sands Beach	HI176480	Dry	A	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>		2,5	<u>L</u>
C	Pakala (Makaweli)	HI468251	Wet	?	?	?	?	?	?	?		3	
C	Palama Beach (Nomilu)	HI665178	Wet	?	?	?	?	?	?	?		3	
C	Papa'a Bay	HI130639	Wet	?	?	?	?	?	?	?		3	
C	Pila'a Beach	HI363048	Wet	?	?	?	?	?	?	?		3	
C	Po'ipu Beach Co. Park	HI396850	Dry	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
C	Polihale State Park	HI247403	Dry	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
C	Port Allen	HIW00185	Wet	?	A	A	A	A	?	A		2,3	
B	Port Allen Boat Harbor	HIW00120	Wet	?	?	?	?	?	?	?		3	
B	Port Allen Boat Harbor (Port Allen Pier)	HIW00026	Wet	?	A	<u>A</u>	N	A	N	A		2,3,5	L
C	Prince Kuhio Park	HI742228	Dry	?	?	?	?	?	?	?		3	
C	Princeville	HI520271	Wet	?	?	?	?	?	?	?		3	
C	Salt Pond Beach Co. Park	HI701008	Wet	A	A	N	N	A	<u>N</u>	N		2,5	L
C	Sheraton Beach	HI542569	Dry	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
C	Shipwreck Beach	HI358435	Dry	A	?	?	?	?	?	?		2,3	
C	Spouting Horn Beach Co. Park	HI951651	Dry	?	?	?	?	?	?	?		3	
C	Tunnels Beach	HI936087	Wet	?	?	?	?	?	?	?		3	
C	Wahiawa Bay	HIW00121	Wet	?	?	?	?	?	?	?		3	
B	Wahiawa Bay	HI179708	Wet	?	?	?	?	?	?	?		3	

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C	Waiakalua Iki Beach	HI505816	Wet	?	?	?	?	?	?	?		3	
C	Waiakalua Nui Beach	HI371632	Wet	?	?	?	?	?	?	?		3	
B	Waikoko Bay	HI330114	Wet	?	?	?	?	?	?	?		3	
E	Waikoko Estuary	HIW00162	NA	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	N _T	<u>A</u>		<u>2,4a,5</u>	TMDL approved 2008 (Turbidity), <u><i>L (Entero & Nutrients)</i></u>
C	Wailua (Wailua River Station)	HI606168	Wet	A	?	?	?	?	<u>N</u>	?		<u>2,3,5</u>	<u>L</u>
C	Waimea Bay Beach (Near River Station)	HI862821	Dry	N	?	?	?	?	?	?		3,5	L
C	Waimea Bay Beach-near shore waters to 18' from Kekaha Oomano Point-1.5 miles SE of Mahinaui Stream	HIW00057	Dry	?	?	?	?	?	Y	?	TSS	3,5	L
C	Waimea Rec. Pier St. Park	HI245235	Dry	<u>N</u>	?	?	?	?	<u>N</u>	?		3,5	L
C	Wainiha Bay	HI417823	Wet	?	?	?	?	?	?	?		3	
C	Wai'ohai Beach	HI392082	Dry	?	?	?	?	?	?	?		3	
E	Waioli Stream Estuary	HIW00163	NA	<u>N</u>	<u>A</u>	<u>N</u>	<u>N</u>	<u>N</u>	N _T	<u>A</u>		<u>2,4a,5</u>	TMDL approved 2008 (Turbidity), <u><i>L (Entero & Nutrients)</i></u>
E	Waipa Stream Estuary	HIW00164	NA	<u>N</u>	<u>A</u>	<u>A</u>	<u>N</u>	<u>N</u>	N _T	<u>A</u>		<u>2,4a,5</u>	<u><i>L (Entero & Nutrients)</i></u>
C	Waipouli Beach	HI682678	Wet	A	?	?	?	?	?	?		2,3	

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OAHU Stream Waters

Assessed Water Body	Water Body Type	Scope of Assessment	Geocode ID	Season	Enterococci	TN	NO ₃ +NO ₂	TP	Turbidity	TSS	Other Pollutants	Category	TMDL Priority
Ahuimanu	Stream	EN	3-2-07.03	Wet	?	?	?	?	V	?		3,5	L
Ahuimanu	Stream	EN	3-2-07.03	Dry	?	?	?	?	V	?		3,5	
Aiea	Stream	EN	3-4-03	Wet	?	N1c	N1c	?	V	?	Trash	3,5	H (IP)
Aiea	Stream	EN	3-4-03	Dry	?	N1c	N1c	?	V	?	Trash	3,5	
Anahulu	Estuary	EE	3-6-08-E		?	V	V	V	V	?		3,5	L
Halawa	Stream	EN	3-4-02		?	V	V	V	V	?		3,5	H (IP)
Heeia	Stream	EN	3-2-08	Dry	?	<u>A</u>	N	A	A	A		2,3,5	L
Heeia	Stream	EN	3-2-08	Wet	?	A	N	<u>N</u>	N	A		2,3,5	
Helemano	Stream	EN	3-6-07.02		?	V	V	V	V	?		3,5	L
Honouliuli	Stream	EN	3-4-11		?	?	?	?	?	?		3	
Kaaawa	Stream	EN	3-1-19		?	V	V	V	V	?		3,5	L
Kaalaea	Stream	EN	3-2-05	Dry	?	N	N	A	N	A		2,3,5	L
Kaalaea	Stream	EN	3-2-05	Wet	?	N	N	A	A	A		2,3,5	
Kaelepulu	Stream	EN	3-2-14		?	V	V	V	V	?		3,5	H (IP)
Kahaluu	Estuary	EE	3-2-07-E		?	?	?	?	V	?		3,5	L
Kahaluu	Stream	EN	3-2-07.02	Dry	?	A	N	A	N	A		2,3,5	L
Kahaluu	Stream	EN	3-2-07.02	Wet	?	?	?	?	V	?		3,5	
Kahana	Stream	EN	3-1-18	Dry	?	A	N	A	N	A		2,3,5	M
Kahana	Stream	EN	3-1-18	Wet	?	Ac	Ac	Ac	Ac	Ac		2,3	
Kahawainui	Stream	EN	3-1-07		?	V	V	V	V	?		3,5	L
Kaipapau	Stream	EN	3-1-10		?	?	?	?	?	?		3	
Kalauao	Stream	EN	3-4-04-01	Dry	?	N1	N1	?	N	?		3,5	H (IP)
Kalauao	Stream	EN	3-4-04-01	Wet	?	N	N	?	Ac	?		2,3,5	
Kalihi	Stream	EN	3-3-11	Dry	?	?	N	A	N	A	Trash	2,3,5	H

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OAHU Stream Waters

Assessed Water Body	Water Body Type	Scope of Assessment	Geocode ID	Season	Enterococci	TN	NO ₃ +NO ₂	TP	Turbidity	TSS	Other Pollutants	Category	TMDL Priority
Kalihi	Stream	EN	3-3-11	Wet	?	N	N	A	A	A	Trash	2,3,5	H
Kaluanui	Stream	EN	3-1-13		?	?	?	?	?	?		3	
Kamooalii (Trib to Kaneohe Stream)	Stream	Kamooalii Trib	3-2-10.01	Dry	?	V _T	V _T	V _T	N _T	? _T		3,4a	TMDLs approved 2010 (Nutrients & Sediment), L (Others)
Kamooalii (Trib to Kaneohe Stream)	Stream	Kamooalii Trib	3-2-10.01	Wet	?	V _T	V _T	V _T	? _T	? _T		3,4a	
Kaneohe	Stream	EN	3-2-10	Dry	?	V _T	V _T	V _T	N _T	? _T	Dieldrin	3,4a,5	
Kaneohe	Stream	EN	3-2-10	Wet	?	V _T	V _T	V _T	N _T	? _T	Dieldrin	3,4a,5	
Kapaa	Stream	EN	3-2-13-Kapaa		?	V _T	V _T	V _T	V _T	V _T	Metals, Lead	3,4a,5	TMDLs approved 2007 (Nutrients & Sediment), L (Others)
Kapakahi	Stream	EN	3-4-Kapakahi	Wet	?	N	N	N	?	?	Trash	3,5	H (IP)
Kapakahi	Stream	EN	3-4-Kapakahi	Dry	?	?	?	?	V	?	Trash	3,5	
Kapalama	Stream	EN	3-3-10		?	V	V	V	V	?	Trash	3,5	L
Kaukonahua	Stream	EN	3-6-06.02	Dry	?	N	N	A	N1	A		2,3,5	M
Kaukonahua	Stream	EN	3-6-06.02	Wet	?	N	N	A	N1	A		2,3,5	
Kaukonahua (N Fork)	Stream	EN	3-6-06.02.2		?	V _T	A	A	V _T	A		2,3,4a	TMDLs approved 2010 (Nitrogen & Turbidity)
Kaukonahua (S Fork)	Stream	EN	3-6-06.02.1		?	V _T	A	A	V _T	A		2,3,4a	
Kaupuni	Stream	EN	3-5-05		?	V	V	V	V	?	Trash	3,5	L
Kawa	Stream	EN	3-2-11		?	V _T	V _T	V _T	V _T	V _T		3,4a	TMDLs approved 2002 & revised 2005 (Nutrients & Sediment)
Kawailoa	Stream	EN	3-6-08.01		?	V	V	V	V	?		3,5	L
Kawainui	Stream	EN	3-2-13		?	?	?	?	?	?		3	

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Kawainui Marsh	Wetland	EW	3-2-13-W		?	?	?	?	?	?		3	
Kawela	Stream	EN	3-1-04		?	?	?	?	?	?		3	
Keaahala	Stream	EN	3-2-09	Dry	?	N	N	N	N	A	Trash	2,3,5	L
Keaahala	Stream	EN	3-2-09	Wet	?	N	N	A	A	A	Trash	2,3,5	
Kiikii	Estuary	EE	3-6-06-E		?	?	?	?	?	?		3	
Koloa	Stream	EN	3-1-09	Both	?	?	?	?	?	?		3	
Makiki	Stream	EN	ALWS06	Dry	?	N	?	N	?	?		3,5	L
Manoa	Stream	EN	3-3-07.01		?	V	V	V	V	?	Dieldrin, Chlordane	3,5	L
Maunawili	Stream	EN	3-2-13.01		?	V	V	V	V	?	Trash	3,5	M
Moanalua	Stream	EN	3-3-12.01	Dry	?	Nc	Ac	Ac	N1	Ac	Trash	2,3,5	L
Moanalua	Stream	EN	3-3-12.01	Wet	?	Nc	Ac	Ac	Ac	Ac	Trash	2,3,5	
Nuuanu	Stream	EN	3-3-09	Dry	?	N	N	N	N	N	Trash, Dieldrin, Chlordane	3,5	M
Nuuanu	Stream	EN	3-3-09	Wet	?	N	N	A	N	A	Trash, Dieldrin, Chlordane	2,3,5	
Opaeula	Stream	EN	3-6-07.01		?	V	V	V	V	?		3,5	L
Palolo	Stream	EN	3-3-07.01.1		?	?	?	?	?	?	Trash	3,5	L
Paukauila	Estuary	EE	3-6-07-E		?	V	V	V	V	?		3,5	L
Poamoho	Stream	EN	3-6-06.01		?	V	V	V	V	?		3,5	M
Punaluu	Stream	EN	3-1-16	Dry	?	A	A	A	A	A		2,3	

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Punaluu	Stream	EN	3-1-16	Wet	?	A	Ac	A	A	A		2,3	
Salt Lake	Lake	EL	3-3-12-SaltLake		?	?	?	?	N	?	Trash	3,5	L
Wahiawa Reservoir	Reservoir	ER	3-6-06.02-R		?	V	V	V	V	?		3,5	H (IP)
Waiahole	Stream	EN	3-2-04	Dry	?	A	N	N	A	A		2,3,5	L
Waiahole	Stream	EN	3-2-04	Wet	?	Ac	Nc	Ac	Ac	Ac		2,3,5	
Waiawa	Stream	EN	3-4-06	Wet	?	A	A	A	V	A	Trash	2,3,5	H (IP)
Waiawa	Stream	EN	3-4-06	Dry	?	V	V	V	V	?	Trash	3,5	
Waihee	Stream	EN	3-2-07.01	Wet	?	V	V	V	?	?		3,5	L
Waihee	Stream	EN	3-2-07.01	Dry	?	N	N	A	N	A		2,3,5	
Waikane	Stream	EN	3-2-02	Dry	?	A	N	A	A	A		2,3,5	L
Waikane	Stream	EN	3-2-02	Wet	?	Ac	Nc	Ac	Ac	Ac		2,3,5	
Waikele	Stream	EN	3-4-10	Dry	?	N1	N1	?	?	?		3,5	H (IP)
Waikele	Stream	EN	3-4-10	Wet	?	N1	N1	?	N	?		3,5	
Waialele	Stream	EN	3-1-08	Wet	?	?	?	?	N1	?		3,5	L
Waimalu	Stream	EN	3-4-05	Wet	?	?	?	?	N1	?		3,5	H (IP)
Waimanalo	Stream	EN	3-2-15		?	V _T	V _T	V _T	V _T	V _T		3,4a	TMDLs approved 2001 (Nutrients & Sediment)
Waimano	Stream	EN	3-4-06.01		?	?	?	?	V	?		3,5	H (IP)
Waiola	Stream	EN	3-2-07.04	Wet	?	?	?	?	V	?		3,5	L
Waiola	Stream	EN	3-2-07.04	Dry	?	?	?	?	V	?		3,5	

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OAHU Marine Waters													
Water Body Type	Scope of Assessment	Geocode ID	Wet/Dry Criteria	Enterococci	TN	NO ₃ +NO ₂	NH ₄	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category	TMDL Priority
C	Ala Moana Beach (Center)	HIW00001	Wet	A	A	A	A	A	N	N		2,5	L
C	Ala Moana Beach (Diamond Head)	HIW00002	Wet	A	A	A	N	A	<u>N</u>	N		2,5	L
C	Ala Moana Beach (Ewa)	HI473893	Wet	A	?	?	?	?	?	?		2,3	
B	Ala Wai Boat Harbor (Ala Moana Bridge Station)	HIW00125	Wet	N	N	?	?	N	N	N		3,5	L
E	Ala Wai Canal and Boat Harbor	HIW00050	NA	V	V _T	V _T	? _T	V _T	V	?	Pathogens, Metals, TSS (V), Organochlorine Pesticides, Lead, Fish Consumption Advisory	3,4a,5	TMDLs approved 1996 & revised 2002 (Canal Nutrients), L (Others)
E	Ala Wai Canal and Harbor (Canal-Diamond Head Stn)	HIW00085	NA	N	N	?	?	N	N	N		3,5	L
E	Ala Wai Canal and Harbor (Manoa & Palolo KHS Stn)	HIW00036	NA	?	N	?	?	N	N	N		3,5	L
E	Ala Wai Canal and Harbor (Manoa Stream Fork Stn)	HIW00035	NA	?	N	?	?	?	N	?	Fecal	3,5	L
E	Ala Wai Canal and Harbor (Manoa-Palolo Stream Mouth Station)	HIW00087	NA	?	N	?	?	N	N	N		3,5	L
E	Ala Wai Canal and Harbor (McCully Bridge Station)	HIW00086	NA	N	?	?	?	?	?	?		3,5	L
E	Ala Wai Canal and Harbor (Palolo Stream Fork)	HIW00034	NA	?	N	?	?	?	N	?	Fecal	3,5	L
C	Aukai Beach Co. Park	HI145110	Dry	A	?	?	?	?	?	?		2,3	
C	Banzai Beach	HI908378	Dry	?	?	?	?	?	?	?		3	
C	Barbers Point Beach Co. Park	HI593573	Wet	?	?	?	?	?	?	?		3	
B	Barbers Point Harbor	HIW00088	Dry	?	?	?	?	?	?	?		3	
C	Bellows Field Beach Co. Park (N. Runway)	HI798011	Wet	N	?	?	?	?	?	?		3,5	M
C	Bellows Field Beach Co. Park (Waimanalo Stream Mouth)	HIW00081	Wet	N	<u>A</u>	<u>N</u>	<u>N</u>	<u>N</u>	?	<u>N</u>		<u>2,3,5</u>	<u>M</u>
C	Camp Harold Erdman	HI309544	Dry	?	?	?	?	?	?	?		3	

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Water Body Type	Scope of Assessment	Geocode ID	Wet/Dry Criteria	Enterococci	TN	NO ₃ +NO ₂	NH ₄	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category	TMDL Priority
C	Campbell Industrial	HIW00187	Dry	? <i><u>A</u></i>	A	A	A	A	<u>N</u>	A		2,3, <u>5</u>	<u>L</u>
C	Chun's Reef	HI950962	Wet	A	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	<u>N</u>	? <i><u>A</u></i>		2,3, <u>5</u>	<u>L</u>
C	Diamond Head	HI544313	Dry	A	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>		2,3	
C	Ehukai Beach Co. Park	HI531535	Dry	A	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>		2,3	
C	Ewa (Open Coastal)	HIW00189	Wet	<u>A</u>	A	A	A	A	A	A		2	
C	Ewa Beach	HI767464	Wet	A	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>		2,3	
C	Ewa Beach Park	HI319095	Wet	A	A	A	N	A	N	N		2,5	L
C	Fort DeRussy Beach	HI045715	Wet	A	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>		2,3	
C	Fort Hase Beach	HI410735	Dry	A	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>		2,3	
C	Gray's Beach	HI941499	Wet	A	N	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	N	N		2,3,5	L
B	Haleiwa Beach Park	HI994019	Wet	A	N	? <i><u>A</u></i>	? <i><u>A</u></i>	N	? <i><u>A</u></i>	N		2,3,5	L
B	Haleiwa Boat Harbor	HIW00127	Wet	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	Trash	3	
C	Halona Cove	HI132946	Dry	A	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>		2,3	
P	Hammer Point	HIW00188	NA	A	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>		2,3	
C	Hanaka'ilio Beach	HI646411	Dry	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>		3	
B	Hanauma Bay	HIW00058	Dry	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	Trash	3,5	M
B	Hanauma Bay (Beach)	HIW00096	Dry	A	A	N	N	A	N	A		2,5	M
O	Hanauma Bay (Oceanic)	HIW00017	NA	? <i><u>A</u></i>	? <i><u>A</u></i>	N	N	? <i><u>A</u></i>	? <i><u>A</u></i>	N		3,5	M
C	Hauula Beach Park	HI854492	Dry	A	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>		2,3	
B	Hawaii Kai Station	HIW00117	Dry	A	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>		2,3	
C	Hawaiian Electric Beach Park	HI628972	Dry	A	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>		2,3	
B	Heeia Kea Small Boat Harbor	HIW00097	Wet	A	N	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	N		2,3,5	L
B	Honolulu Harbor	HIW00100	Wet	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>	? <i><u>A</u></i>		3	
B	Honolulu Harbor & Shore Area-Honolulu Waterfront-Aloha Tower	HIW00061	Wet	? <i><u>A</u></i>	? <i><u>A</u></i>	A	N	? <i><u>A</u></i>	A	? <i><u>A</u></i>	Trash	2,3,5	L

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B	Honolulu Harbor & Shore Area-Kewalo Basin	HIW00051	Wet	?	Y	Y	?	Y	N	?	TSS (Y), Trash	3,5	L
B	Honolulu Harbor-near shore waters to 30' from one mile NW of Honolulu Harbor/Sand Island Channel to Waikiki Beach	HIW00049	Wet	Y	Y	Y	?	Y	N	?	Pathogens, Metals, TSS (Y)	3,5	L
C	Ihilani Honu Lagoon	HI815093	Dry	A	?	?	?	?	?	?		2,3	
C	Ihilani Kohola Lagoon	HI515191	Dry	A	?	?	?	?	?	?		2,3	
C	Ihilani Naia Lagoon	HI685981	Dry	A	?	?	?	?	?	?		2,3	
C	Ihilani Ulua Lagoon	HI550240	Dry	A	?	?	?	?	?	?		2,3	
P	Iroquois Point	HI412839	NA	A	?	?	?	?	?	?		2,3	
C	Kaaawa Beach Park	HI580360	Wet	A	?	?	?	?	?	?		2,3	
C	Ka'alawai Beach	HI253930	Dry	N	?	?	?	?	?	?		3,5	L
E	Kaelepulu Stream-Kailua Beach	HIW00182	NA	N	N	?	?	N	N	N		3,5	H (IP)
C	Ka'ena Point	HI645485	Dry	A	?	?	?	?	?	?		2,3	
C	Kahala Beach Shoreline	HI514582	Dry	A	?	?	?	?	?	?		2,3	
C	Kahala Hilton Beach	HI173325	Dry	A	?	?	?	?	?	?		2,3	
B	Kahana Bay Park	HIW00102	Wet	N	N	?	?	N	N	?		3,5	M
B	Kahana Bay-near shore waters to 30' from Mahie Point to a point one mile north of Kahana Bay Station	HIW00062	Wet	?	?	?	?	?	N	?	TSS (Y)	3,5	M
B	Kahana Park	HIW00103	Wet	N	?	?	?	?	?	?		3,5	M
C	Kahanamoku Beach	HI366432	Wet	A	A	A	A	A	<u>N</u>	N		2,5	L
C	Kahanamoku Lagoon	HIW00003	Wet	N	?	?	?	?	?	?		3,5	L
C	Kahe Point Beach Co. Park	HI548986	Dry	A	?	?	?	?	?	?		2,3	
C	Kahuku Golf Course	HI989341	Dry	?	?	?	?	?	?	?		3	
B	Kaiaka Bay	HIW00106	Wet	N	N	N	N	?	N	N		3,5	L
C	Kaihalulu Beach	HI668562	Dry	A	?	?	?	?	?	?		2,3	

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C	Kailua Bay (Open Coastal)	HIW00194	Dry	A	A	A	A	A	A	A		2	
C	Kailua Beach Park	HI482719	Wet	A	A	A	N	A	N	N		2,5	L
C	Kaiona Beach	HI234342	Dry	A	?	?	?	?	?	?		2,3	
C	Kaipapa'u Beach	HI787959	Dry	A	?	?	?	?	?	?		2,3	
C	Kakaako Waterfront	HI302297	Wet	A	?	?	?	?	?	?		2,3	
C	Kalae oio Beach Park	HI860454	Wet	?	?	?	?	?	?	?		3	
C	Kalama Beach	HI071892	Dry	A	?	?	?	?	?	?		2,3	
C	Kaloko (Queens) Beach	HI353985	Dry	A	?	?	?	?	?	?		2,3	
C	Kaluahole Beach	HI391176	Dry	A	?	?	?	?	?	?		2,3	
C	Kaluanui Beach	HI410842	Dry	?	?	?	?	?	?	?		3	
C	Kananelu Beach	HI196120	Wet	A	?	?	?	?	?	?		2,3	
B	Kaneohe Bay (Beach Park)	HIW00004	Wet	?	N	?	?	N	N	N		3,5	L
B	Kaneohe Bay (Central Region)	HIW00013	Wet	?	N	N	N	?	N	?		3,5	L
B	Kaneohe Bay (Kokokahi Pier)	HIW00005	Wet	N	N	?	?	N	N	N		3,5	L
B	Kaneohe Bay (Northern Region)	HIW00012	Wet	?	N	N	N	?	N	?		3,5	L
B	Kaneohe Bay (Southern Region)	HIW00011	Wet	N	N	N	N	?	N	?		3,5	L
B	Kaneohe Bay at Kualoa	HI272280	Wet	A	?	?	?	?	?	?		2,3	
B	Kaneohe Bay-near shore waters at mouths of Kaneohe and Kawa Streams	HIW00054	Wet	?	Y	Y	?	Y	N	?	TSS (Y)	3,5	L
C	Kapaeloa Beach	HI904851	Wet	?	?	?	?	?	?	?		3	
C	Kapi'olani Park	HI733929	Dry	A	?	?	?	?	?	?		2,3	
C	Kapoho Point	HIW00192	Dry	N	?	?	?	?	?	?		3,5	L
C	Kaunala Beach	HI622160	Dry	A	?	?	?	?	?	?		2,3	
C	Kaupo Beach Co. Park	HI791127	Dry	A	?	?	?	?	?	?		2,3	

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C	Kawaiku'i Beach Park	HI304424	Dry	A	?	?	?	?	?	?		2,3	
C	Kawailoa Beach	HI312049	Wet	?	?	?	?	?	?	?		3	
C	Kawela Bay	HI698581	Dry	A	N	?	?	N	N	N		2,3,5	L
C	Kea'au Beach Co. Park	HI730738	Dry	A	?	?	?	?	?	?		2,3	
C	Kealia Beach	HI612698	Dry	A	?	?	?	?	?	?		2,3	
B	Keehi Lagoon	HIW00009	Wet	N	?	?	?	?	?	?		3,5	L
B	Keehi Lagoon (Point X)	HIW00010	Wet	N	N	?	?	N	?	N		3,5	L
B	Keehi Lagoon waters and near shore waters to 30' from lagoon mouth to Pearl Harbor	HIW00055	Wet	?	Y	Y	?	Y	N	?	TSS (Y)	3,5	L
C	Kewalo Basin	HIW00126	Wet	?	N	?	?	N	N	N		3,5	L
B	Ko Olina	HIW00089	Dry	?	?	?	?	?	?	?		3	
B	Koke'e Beach Park	HI147970	Dry	A	?	?	?	?	?	?		2,3	
B	Koko Kai Beach Park	HI467112	Dry	A	?	?	?	?	?	?		2,3	
C	Kokololio Beach	HI767708	Dry	A	?	?	?	?	?	?		2,3	
C	Kualoa Co. Regional Park	HI848207	Wet	A	N	N	N	A	<u>N</u>	N		2,5	L
C	Kualoa Sugar Mill Beach	HI484535	Wet	A	?	?	?	?	?	?		2,3	
C	Kuhio Beach	HI681782	Dry	A	A	N	N	A	<u>N</u>	N		2,5	L
C	Kuhio Beach (Public Bath)	HI851298	Dry	A	A	A	N	A	<u>N</u>	N		2,5	L
C	Kuilei Cliffs	HI431723	Dry	A	?	?	?	?	?	?		2,3	
C	Kuilei Cliffs Beach Park	HIW00064	Dry	?	?	?	?	?	?	?		3	
C	Kuilima Cove	HI412224	Dry	A	?	?	?	?	?	?		2,3	
B	Kuli'ou'ou	HI360513	Dry	N	?	?	?	?	?	?		3,5	L
B	Laenani Beach Co. Park	HI930562	Wet	N	?	?	?	?	?	?		3,5	L
C	Laie Bay	HI472847	Dry	A	N	?	?	N	N	N		2,3,5	L
C	Laniakea Beach	HI183312	Wet	A	?	?	?	?	?	?		2,3	
C	Lanikai Beach	HI596989	Wet	A	?	?	?	?	?	?		2,3	
C	Lanikai Boat Ramp	HIW00193	Wet	A	?	?	?	?	?	?		2,3	
C	Laniloa Peninsula (Beach)	HI201901	Dry	A	?	?	?	?	?	?		2,3	

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C	Laukinui Beach	HI739818	Dry	A	?	?	?	?	?	?		2,3	
C	Lualualei Beach Co. Park	HI800877	Dry	A	?	?	?	?	?	?		2,3	
C	Magic Island	HI529142	Wet	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
C	Ma'ili Beach Park	HI627464	Dry	A	?	?	?	?	?	?		2,3	
C	Maipalaoa Beach	HI280966	Dry	A	?	?	?	?	?	?		2,3	
C	Makaha Beach	HI632106	Dry	A	A	N	N	A	N	N		2,5	L
C	Makao Beach	HI147212	Dry	A	?	?	?	?	?	?		2,3	
C	Makapuu Beach	HI723399	Dry	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
C	Makaua Beach Co. Park	HIW00066	Wet	?	?	?	?	?	?	?		3	
C	Makaua Beach Co. Park	HI542752	Wet	?	?	?	?	?	?	?		3	
C	Makua Beach	HI915061	Dry	A	?	?	?	?	?	?		2,3	
C	Malaekahana State Park	HI137325	Dry	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
C	Mamala Bay (Fort Kamehameha Offshore)	HIW00190	Wet	?	A	A	A	A	A	A		2,3	
O	Mamala Bay (Oceanic)	HIW00015	NA	?	N	?	?	?	?	N		3,5	L
C	Mamala Bay (Sand Island Offshore)	HIW00014	Wet	A	A	A	A	A	A	A		2	
C	Manner's Beach	HI717740	Dry	A	?	?	?	?	?	?		2,3	
C	Mauna Lahilahi Beach	HI639551	Dry	A	?	?	?	?	?	?		2,3	
C	Maunalua Bay	HIW00016	Dry	?	N	N	N	?	?	N		3,5	L
B	Maunalua Beach Park	HI423413	Dry	A	?	?	?	?	?	?		2,3	
C	Mikilua Beach Park	HIW00186	Dry	A	?	?	?	?	?	?		2,3	
C	Mokule'ia Beach	HI908786	Dry	?	?	?	?	?	?	?		3	
C	Mokule'ia Beach Co. Park	HI220308	Dry	A	?	?	?	?	?	?		2,3	
C	Nanaikapono Beach	HI504242	Dry	A	?	?	?	?	?	?		2,3	
C	Nanakuli Beach Park	HI467413	Dry	A	?	?	?	?	?	?		2,3	
C	Nimitz Beach	HI682233	Wet	A	?	?	?	?	?	?		2,3	

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C	Niu	HI157026	Dry	?	?	?	?	?	?	?		3	
C	North Beach	HI426406	Dry	A	?	?	?	?	?	?		2,3	
C	Ocean Pointe C	HIW00132	Wet	?	<u>A</u>	<u>A</u>	<u>A</u>	A	<u>A</u>	<u>A</u>		2,3	
C	Ocean Pointe Control	HIW00129	Wet	?	<u>A</u>	<u>A</u>	A	A	N	N		2,3,5	L
C	Ocean Pointe E	HIW00130	Wet	?	<u>A</u>	<u>A</u>	A	A	N	<u>A</u>		2,3,5	L
C	Ocean Pointe W	HIW00131	Wet	?	<u>A</u>	<u>A</u>	A	A	N	N		2,3,5	L
C	<i>Ocean Pointe KA</i>	<i>HIW00210</i>	<i>Wet</i>	<i>?</i>	<i><u>A</u></i>	<i><u>A</u></i>	<i><u>A</u></i>	<i><u>A</u></i>	<i><u>N</u></i>	<i><u>N</u></i>		<i><u>2,3,5</u></i>	<i><u>L</u></i>
C	<i>Ocean Pointe PR</i>	<i>HIW00211</i>	<i>Wet</i>	<i>?</i>	<i><u>A</u></i>	<i><u>A</u></i>	<i><u>A</u></i>	<i><u>A</u></i>	<i><u>N</u></i>	<i><u>A</u></i>		<i><u>2,3,5</u></i>	<i><u>L</u></i>
C	Ohikilolo Beach (Barking Sands)	HI731423	Dry	A	?	?	?	?	?	?		2,3	
C	Oneawa Beach	HI952205	Dry	A	N	?	?	N	N	N		2,3,5	L
C	Oneula Beach Park	HI825419	Wet	A	?	?	?	?	?	?		2,3	
C	Outrigger Canoe Club Beach	HI943325	Dry	A	?	?	?	?	?	?		2,3	
C	Pahipahi'alua Beach	HI575467	Dry	A	?	?	?	?	?	?		2,3	
C	Paiko Lagoon	HI598745	Dry	?	?	?	?	?	?	?		3	
B	Paiko Peninsula to Koko Head	HIW00118	Dry	?	?	?	?	?	?	?		3	
C	Papa'iloa Beach	HI478834	Wet	A	?	?	?	?	?	?		2,3	
C	Papaoneone Beach	HI990625	Dry	A	?	?	?	?	?	?		2,3	
P	Pearl Harbor	HIW00006	NA	?	N	?	?	N	A	N		2,3,5	H
P	Pearl Harbor-harbor waters and near shore waters to 30' from Keehi Lagoon to Oneula Beach	HIW00119	NA	?	Y	Y	?	Y	N	?	TSS (Y), PCBs, Fish Consumption Advisory	3,5	H
C	Pipeline, The	HI188157	Dry	A	?	?	?	?	?	?		2,3	
C	Point Panic	HI197311	Wet	A	?	?	?	?	?	?		2,3	
B	Pokai Bay	HIW00007	Dry	A	A	N	N	A	?	N		2,3,5	L
O	Pokai Bay (Oceanic)	HIW00019	NA	?	N	?	?	?	?	N		3,5	L
C	Pokai Bay (Open Coastal)	HIW00018	Dry	A	A	A	A	A	<u>A</u>	A		2	

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C	Pounders Beach	HI587568	Dry	A	?	?	?	?	?	?		2,3	
C	Punaluu Beach Park	HI148836	Wet	N	?	?	?	?	?	?		3,5	L
C	Pupukea Beach Co. Park	HI193495	Wet	A	?	?	?	?	?	?		2,3	
C	Pu'uiki	HI437024	Dry	A	?	?	?	?	?	?		2,3	
C	Pu'uohulu Beach	HI960731	Dry	A	?	?	?	?	?	?		2,3	
C	Queen's Surf Beach Park	HIW00069	Dry	?	?	?	?	?	?	?		3	
C	Royal-Moana Beach	HI898947	Wet	A	A	N	N	A	<u>N</u>	N		2,5	L
C	Sand Island (Shoreline)	HI714359	Wet	A	A	N	A	A	N	N		2,5	L
C	Sand Island Point #3	HIW00181	Wet	?	N	?	?	?	N	N		3,5	L
C	Sandy Beach	HI776760	Dry	A	N	N	N	A	N	N		2,5	L
C	Sandy Beach (Open Coastal)	HIW00191	Dry	?	<u>A</u>	A	A	A	A	?		2,3	
C	Sans Souci	HI617815	Dry	A	N	N	N	A	<u>N</u>	N		2,5	L
C	Sunset Beach	HI860544	Dry	A	A	N	N	A	<u>N</u>	N		2,5	L
C	Swanzy Beach Co. Park	HI151343	Wet	A	?	?	?	?	?	?		2,3	
C	Tongg's	HI248913	Dry	A	?	?	?	?	?	?		2,3	
C	Turtle Bay	HI776670	Dry	A	?	?	?	?	?	?		2,3	
C	Ulehawa Beach	HI784010	Dry	A	?	?	?	?	?	?		2,3	
C	Waialae Beach Co. Park	HI997368	Dry	A	?	?	?	?	?	?		2,3	
C	Waiale'e	HI109657	Dry	A	?	?	?	?	?	?		2,3	
B	Waialua Bay	HI451176	Wet	A	?	?	?	?	?	?		2,3	
B	Waialua/Kaiaka Bays near shore waters to 60' from Puaena Point to a point 1.5 miles W of Kaiaka Point	HIW00083	Wet	?	Y	Y	?	Y	N	?	TSS (Y)	3,5	L
B	Waianae Boat Harbor	HIW00124	Dry	?	?	?	?	?	?	?		3	
C	Waianae Regional Park	HI668527	Dry	?	?	?	?	?	?	?		3	
C	Waikiki Beach Center	HI244505	Wet	A	?	?	?	?	?	?		2,3	
C	Wailupe Beach Park	HI432476	Dry	?	?	?	?	?	?	?		3	

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OAHU Marine Waters													
Water Body Type	Scope of Assessment	Geocode ID	Wet/Dry Criteria	Enterococci	TN	NO ₃ +NO ₂	NH ₄	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category	TMDL Priority
C	Waimanalo Bay St. Rec. Area (Park)	HIW00008	Dry	A	?	?	?	?	?	?		2,3	
C	Waimanalo Bay Station (Waimanalo Beach Co. Park North)	HIW00175	Dry	A	?	?	?	?	?	?		2,3	
C	Waimanalo Beach Co. Park (South)	HIW00174	Dry	A	N	N	N	A	<u>N</u>	N		2,5	M
C	Waimea Bay	HIW00128	Wet	A	?	?	?	?	<u>N</u>	?		2,3, <u>5</u>	<u>L</u>
C	War Memorial Natatorium	HI624259	Dry	?	?	?	?	?	?	?		3	
C	Wawamalu Beach Park	HI329454	Dry	A	?	?	?	?	?	?		2,3	
C	White Plains Beach	HI267023	Wet	A	?	?	?	?	<u>N</u>	?		2,3, <u>5</u>	<u>L</u>
C	Yokohama Bay	HI269028	Dry	A	?	?	?	?	?	?		2,3	

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MOLOKAI Stream Waters

Assessed Water Body	Water Body Type	Scope of Assessment	Geocode ID	Season	Enterococci	TN	NO ₃ +NO ₂	TP	Turbidity	TSS	Other Pollutants	Category	TMDL Priority
Honoulimaloo	Stream	EN	4-2-02		?	?	?	?	?	?		3	
Honouliwai	Stream	EN	4-2-03	Wet	?	?	?	?	Ac	?		2,3	
Kamalo	Stream	EN	4-2-14		?	?	?	?	?	?		3	
Pelekunu	Stream	EN	4-1-09	Dry	?	?	?	?	A	?		2,3	
Waialua	Stream	EN	4-2-04	Wet	?	A	A	A	A	A		2,3	
Waialua	Stream	EN	4-2-04	Dry	?	Ac	Ac	Ac	N1	Ac		2,3,5	L
Wailau	Stream	EN	4-1-15		?	?	?	?	?	?		3	

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MOLOKAI Marine Waters

Water Body Type	Scope of Assessment	Geocode ID	Wet/Dry Criteria	Enterococci	TN	NO₃+NO₂	NH₄	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category	TMDL Priority
C	Awahua Beach	HI702920	Dry	?	?	?	?	?	?	?		3	
C	Fagans Beach	HI571680	Dry	?	?	?	?	?	?	?		3	
C	Halawa Beach Park	HI928793	Wet	?	?	?	?	?	?	?		3	
B	Hale O Lono Harbor	HIW00090	Dry	?	?	?	?	?	?	?		3	
C	Halena Beach	HI417163	Dry	?	?	?	?	?	?	?		3	
C	Honouli Malo'o	HI783671	Dry	?	?	?	?	?	?	?		3	
C	Honouli Wai	HI376731	Dry	?	?	?	?	?	?	?		3	
C	Iliopi'i Beach	HI681345	Dry	?	?	?	?	?	?	?		3	
C	Kahalepohaku Beach	HI191374	Dry	?	?	?	?	?	?	?		3	
C	Kakahai'a Beach Park	HI939514	Dry	?	?	?	?	?	?	?		3	
C	Kamaka'ipo Beach	HI923737	Dry	?	?	?	?	?	?	?		3	
C	Kanalukaha Beach	HI559049	Dry	?	?	?	?	?	?	?		3	
C	Kapukahehu Beach	HI941577	Dry	?	?	?	?	?	?	?		3	
C	Kapukuwahine Beach	HI565164	Dry	?	?	?	?	?	?	?		3	
B	Kaunakakai Boat Harbor	HIW00109	Dry	?	?	?	?	?	?	?		3	
B	Kaunakakai Harbor	HIW00110	Dry	?	?	?	?	?	?	?		3	
C	Kaunala Beach	HI726225	Dry	?	?	?	?	?	?	?		3	
C	Kaupoa Beach	HI481092	Dry	?	?	?	?	?	?	?		3	
C	Kawa'aloa Bay	HI384043	Dry	?	?	?	?	?	V	?		3,5	L
C	Kawakiunui	HI114962	Dry	?	?	?	?	?	?	?		3	
C	Kepuhi Beach	HI287930	Dry	?	?	?	?	?	?	?		3	
C	Kiowea Park (Kamehameha Coconut Grove)	HI206014	Dry	?	?	?	?	?	?	?		3	
C	Kolo Wharf	HI928768	Dry	?	?	?	?	?	?	?		3	
C	Lighthouse Beach	HI934213	Dry	?	?	?	?	?	?	?		3	

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MOLOKAI Marine Waters													
Water Body Type	Scope of Assessment	Geocode ID	Wet/Dry Criteria	Enterococci	TN	NO ₃ +NO ₂	NH ₄	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category	TMDL Priority
C	Mo'omomi Beach	HI204811	Dry	?	?	?	?	?	V	?		3,5	L
C	Murphy Beach Park	HI138494	Dry	?	?	?	?	?	?	?		3	
C	Oneali'i Beach Park	HI904462	Dry	?	?	?	?	?	?	?		3	
C	Papaloa Beach	HI301825	Dry	?	?	?	?	?	?	?		3	
C	Papohaku Beach	HI556777	Dry	?	?	?	?	?	?	?		3	
C	Pelekunu	HI443237	Wet	?	?	?	?	?	?	?		3	
C	Pohaku Mauiuli Beach	HI268134	Dry	?	?	?	?	?	?	?		3	
C	Po'olau Beach	HI454004	Dry	?	?	?	?	?	?	?		3	
C	Puko'o	HI665969	Dry	?	?	?	?	?	?	?		3	
C	Sandy Beach	HI329518	Dry	?	?	?	?	?	?	?		3	
C	South Molokai Coast-near shore waters to 18' from SW point-Waialua	HIW00052	Dry	?	Y	Y	?	Y	Y	?	TSS (Y)	3,5	L
C	Wailau	HI603285	Wet	?	?	?	?	?	?	?		3	

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LANAI Marine Waters

Water Body Type	Scope of Assessment	Geocode ID	Wet/Dry Criteria	Enterococci	TN	NO ₃ +NO ₂	NH ₄	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category	TMDL Priority
C	Awehi	HIW00134	Dry	?	N	A	A	A	N	N		2,3,5	L
C	Halepalaoa Beach	HI297944	Dry	?	?	?	?	?	?	?		3	
C	Hulupoe Bay	HIW00177	Dry	?	<u>A</u>	A	A	A	<u>N</u>	<u>N</u>		2,3,5	L
C	Kahemano Beach	HI801428	Dry	?	A	A	N	A	N	A		2,3,5	L
C	Kaluakoi Point to Huawai Bay	HIW00135	Dry	?	<u>A</u>	A	<u>N</u>	A	A	A		2,3,5	L
B	Kaumalapau Harbor	HIW00108	Dry	?	?	?	?	?	?	?		3	
C	Kaunolu Bay	HI923988	Dry	?	?	?	?	?	?	?		3	
C	Kawaiu Gulch-Makole Point	HIW00133	Dry	?	A	A	A	A	A	N		2,3,5	L
C	Keomuku Beach	HI854690	Dry	?	?	?	?	?	?	?		3	
C	Lopa Beach	HI735036	Dry	?	?	?	?	?	?	?		3	
C	Mahanalua	HIW00136	Dry	?	N	A	A	A	N	N		2,3,5	L
C	Manele Bay Beach	HIW00178	Dry	?	A	A	A	A	A	A		2,3	
B	Manele Boat Harbor	HIW00179	Dry	?	A	A	A	A	N	N		2,3,5	L
C	Naha Beach	HI225961	Dry	?	?	?	?	?	?	?		3	
C	Polihua Beach	HI845453	Dry	?	?	?	?	?	?	?		3	
B	Puu Pehe Beach	HIW00180	Dry	?	?	?	?	?	?	?		3	
C	Shipwreck Beach	HI362906	Dry	?	?	?	?	?	?	?		3	

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MAUI Stream Waters

Assessed Water Body	Water Body Type	Scope of Assessment	Geocode ID	Season	Enterococci	TN	NO ₃ +NO ₂	TP	Turbidity	TSS	Other Pollutants	Category	TMDL Priority
Alelele	Stream	EN	6-5-20		?	?	?	?	?	?		3	
E. Wailuaiki	Stream	EN	6-4-16		?	?	?	?	?	?		3	
Haipuaena	Stream	EN	6-4-07		?	?	?	?	?	?		3	
Hanawi	Stream	EN	6-4-22		?	?	?	?	?	?		3	
Hanehoi	Stream	En	6-3-11		?	?	?	?	?	?		3	
Hawawana	Stream	EN	6-3-13		?	?	?	?	?	?		3	
Hoalua	Stream	EN	6-3-12		?	?	?	?	?	?		3	
Honokohau	Stream	EN	6-1-11	Dry	?	A	A	A	A	A		2,3	
Honokohau	Stream	EN	6-1-11	Wet	?	Ac	Ac	Ac	A	Ac		2,3	
Honokowai	Stream	EN	6-1-07		?	?	?	?	V	?		3,5	M
Honolua	Stream	EN	6-1-10		?	?	?	?	?	?		3	
Honomanu	Stream	EN	6-4-09		?	?	?	?	?	?		3	
Honopou	Stream	EN	6-3-08	Wet	?	?	?	?	A	?		2,3	
Hoolawa	Stream	EN	6-3-09		?	?	?	?	?	?		3	
Iao	Stream	EN	6-2-09		?	?	?	?	V	?	Trash	3,5	M
Kaaiea	Stream	EN	6-4-02		?	?	?	?	?	?		3	
Kahakuloa	Stream	EN	6-2-03	Dry	?	A	A	A	A	A		2,3	
Kahakuloa	Stream	EN	6-2-03	Wet	?	?	?	?	A	?		2,3	
Kahana	Stream	EN	6-1-08		?	?	?	?	V	?		3,5	M
Kahoma	Stream	EN	6-1-05		?	?	?	?	V	?		3,5	M
Kailua	Stream	EN	6-3-14		?	?	?	?	?	?		3	
Kakipi	Stream	EN	6-3-07		?	?	?	?	?	?		3	
Kauaula	Stream	EN	6-1-04		?	?	?	?	?	?		3	
Kaupakulua	Stream	EN	6-3-03		?	?	?	?	?	?		3	
Kolea	Stream	EN	6-4-03		?	?	?	?	?	?		3	

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MAUI Stream Waters

Assessed Water Body	Water Body Type	Scope of Assessment	Geocode ID	Season	Enterococci	TN	NO ₃ +NO ₂	TP	Turbidity	TSS	Other Pollutants	Category	TMDL Priority
Kopiliula	Stream	EN	6-4-17		?	?	?	?	?	?		3	
Kuaiaha	Stream	EN	6-3-02		?	?	?	?	?	?		3	
Launiupoko	Stream	EN	6-1-03		?	?	?	?	?	?		3	
Makamakaole	Stream	EN	6-2-06	Dry	?	A	A	A	N	A		2,3,5	L
Makamakaole	Stream	EN	6-2-06	Wet	?	A	A	A	A	A		2,3	
Maliko	Stream	EN	6-3-01	Wet	?	?	?	?	N1	?		3,5	L
Manawaiiao	Stream	EN	6-3-04		?	?	?	?	?	?		3	
Nuaailua	Stream	EN	6-4-10		?	?	?	?	?	?		3	
Oheo	Stream	EN	6-5-13	Dry	?	A	A	A	Ac	A		2,3	
Oheo	Stream	EN	6-5-13	Wet	?	Ac	Ac	Ac	Ac	Ac		2,3	
Ohia	Stream	EN	6-4-12		?	V	V	V	V	?	Trash	3,5	L
Olowalu	Stream	EN	6-1-02		?	?	?	?	?	?		3	
Oopuola	Stream	EN	6-4-01		?	?	?	?	?	?		3	
Piinaau	Stream	EN	6-4-11		?	?	?	?	?	?		3	
Punalau	Stream	EN	6-4-08		?	?	?	?	?	?		3	
Puohokamoa	Stream	EN	6-4-06		?	?	?	?	?	?		3	
Uaoa	Stream	EN	6-3-05		?	?	?	?	?	?		3	
Ukumehame	Stream	EN	6-1-01	Dry	?	A	N	A	A	A		2,3,5	L
Ukumehame	Stream	EN	6-1-01	Wet	?	Ac	Ac	Ac	A	Ac		2,3	
W. Wailuaiki	Stream	EN	6-4-15		?	?	?	?	?	?		3	
Waiakamilo	Stream	EN	6-4-13		?	?	?	?	?	?		3	
Waiehu	Stream	EN	6-2-08		?	?	?	?	?	?		3	
Waihee	Stream	EN	6-2-07	Dry	?	A	A	A	A	A		2,3	
Waihee	Stream	EN	6-2-07	Wet	?	V	V	V	A	Ac		2,3,5	L

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MAUI Stream Waters

Assessed Water Body	Water Body Type	Scope of Assessment	Geocode ID	Season	Enterococci	TN	NO ₃ +NO ₂	TP	Turbidity	TSS	Other Pollutants	Category	TMDL Priority
Waihikuli	Stream	EN	6-1-06		?	?	?	?	?	?		3	
Waikamoi	Stream	EN	6-4-04		?	?	?	?	?	?		3	
Waikapu	Stream	EN	6-2-10	Dry	?	Ac	?	Ac	Nc	Ac		2,3,5	L
Waikapu	Stream	EN	6-2-10	Wet	?	Ac	Ac	Ac	Ac	Ac		2,3	
Waiolai	Stream	EN	6-2-05		?	?	?	?	?	?		3	
Waipio	Stream	EN	6-3-10	Wet	?	?	?	?	N1	?		3,5	L

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MAUI Marine Waters

Water Body Type	Scope of Assessment	Geocode ID	Wet/Dry Criteria	Enterococci	TN	NO ₃ +NO ₂	NH ₄	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category	TMDL Priority
C	Ahihi-Kinaiu Natural Area Reserve	HIW00084	Dry	?	?	?	?	?	?	?		3	
C	Alaeloa Beach	HI616569	Dry	?	?	?	?	?	?	?		3	
C	Awalua Beach	HI839739	Dry	?	?	?	?	?	?	?		3	
C	Father Jules Papa	HI525524	Dry	?	?	?	?	?	?	?		3	
C	Fleming Beach North	HI253548	Dry	A	?	?	?	?	N	N		2,3,5	M
C	H.A. Baldwin Beach Co. Park	HI846900	Dry	A	?	?	?	?	N	?		2,3,5	L
C	Hamoia	HI287670	Dry	?	?	?	?	?	?	?		3	
C	Hana Bay	HI996835	Dry	?	?	?	?	?	?	?		3	
C	Hanaka'o'o Beach Co. Park	HI797917	Dry	A	A	N	N	N	N	N		2,5	M
C	Hanaka'o'o Station*	HIW00165	Dry	?	?	N	?	?	N	?		3,5	M
C	Hata's	HI553820	Dry	A	?	?	?	?	?	?		2,3	
C	Honokeana Bay	HI229021	Dry	?	?	?	?	?	?	?		3	
C	Honokohau Bay	HI432902	Dry	?	?	?	?	?	?	?		3	
C	Honokowai Beach Co. Park	HI412391	Dry	A	A	N	N	A	N	N		2,5	M
C	Honokowai Point to Kaanapali	HIW00139	Dry	?	N	A	N	A	A	A		2,3,5	M
C	Honolua Bay	HI280286	Dry	A	N	N	N	N	?	N		2,3,5	L
C	Honomanu Bay	HI985873	Wet	N	?	?	?	?	?	?		3,5	L
C	Ho'okipa Beach Co. Park	HIW00024	Dry	A	?	?	?	?	N	?		2,3,5	L
C	H-Poko Papa	HI901232	Dry	?	?	?	?	?	?	?		3	
C	Huakini Bay	HI385800	Dry	?	?	?	?	?	?	?		3	
C	Kaanapali (Kahekili Beach)	HI643627	<u>Wet</u>	A	A	<u>A</u>	<u>A</u>	A	N	A		2,5	M
C	Kaanapali (Sheraton Kaanapali Shoreline)	HIW00022	Dry	A	?	?	?	?	N	N		2,3,5	M
C	Kahana (Mahinahina Condo Shoreline)	HI160433	Dry	A	N	N	N	N	N	N		2,5	M

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MAUI Marine Waters

Water Body Type	Scope of Assessment	Geocode ID	Wet/Dry Criteria	Enterococci	TN	NO₃+NO₂	NH₄	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category	TMDL Priority
C	Kahului Bay	HIW00195	Dry	?	N	N	N	N	?	N		3,5	L
B	Kahului Harbor	HIW00104	Dry	A	?	?	?	?	N	?		2,3,5	L
B	Kahului Harbor (Bay)	HIW00105	Dry	?	N	N	N	?	N	N		3,5	L
B	Kahului Harbor-inshore of breakwater	HIW00053	Dry	?	V	V	?	V	N	?		3,5	L
C	Kaihalulu Bay	HI432263	Dry	?	?	?	?	?	?	?		3	
C	Ka'ili'iili Beach	HI641844	Dry	?	?	?	?	?	?	?		3	
C	Kalama Beach Co. Park (Beach)	HIW00023	Dry	A	N	N	N	N	N	N		2,5	L
C	Kalama Beach Co. Park (Cove Park)	HI705118	Dry	A	N	N	N	N	<u>N</u>	N		2,5	L
C	Kalama Beach Station*	HIW00168	Dry	?	N	N	N	?	N	N		3,5	L
C	Kalepolepo (Waimahaihai)	HIW00141	Dry	A	<u>A</u>	N	N	N	N	N		2,5	L
C	Kalepolepo Beach	HI647373	Dry	A	?	?	?	?	?	?		2,3	
C	Kamaole Beach 1	HI761092	Dry	A	A	N	N	<u>A</u>	N	N		2,5	L
C	Kamaole Beach 2	HI097179	Dry	A	?	?	?	?	N	N		2,3,5	L
C	Kamaole Beach 3	HI496115	Dry	A	?	?	?	?	N	N		2,3,5	L
C	Kanaha Beach	HI797225	Dry	A	?	?	?	N	N	N		2,3,5	L
C	Kanaha Beach (Kaa Shoreline)	HIW00020	Dry	A	?	?	?	N	N	N		2,3,5	L
C	Kanaio Beach	HI404881	Dry	?	?	?	?	?	?	?		3	
C	Kapalua (Fleming's) Beach	HI391006	Dry	A	N	N	N	A	N	N		2,5	M
C	Kapoli Beach Co. Park	HI599968	Dry	?	?	?	?	?	?	?		3	
C	Kea'a Beach	HI593477	Dry	?	?	?	?	?	?	?		3	
C	Ke'anae	HI959746	Wet	?	?	?	?	?	?	?		3	
C	Keawakapu Beach	HI607763	Dry	A	?	?	?	?	N	N		2,3,5	L
C	Keonenui Beach	HI199865	Dry	?	?	?	?	?	?	?		3	
C	Kihei Coast-near shore waters to 60' from Kihei North-Kalama Beach	HIW00056	Dry	?	Y	Y	?	Y	N	?	TSS (Y)	3,5	L
C	Kihei Coast-Cove Park*	HIW00167	Dry	?	N	N	?	?	N	N		3,5	L

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C	Kihei Coast-Estuary Boat Ramp	HIW00166	Dry	?	N	N	?	?	N	?		3,5	L
C	Kihei Coast-Kalepolepo	HIW00039	Dry	?	N	N	?	?	N	N		3,5	L
E	Kihei Coast-Kaonoulu Estuary	HIW00040	NA	?	N	N	?	?	N	N		3,5	L
E	Kihei Coast-Kealia Pond	HIW00070	NA	?	?	?	?	?	?	N		3,5	H
C	Kihei Coast-Keawakapu*	HIW00074	Dry	?	?	N	?	?	?	N		3,5	L
C	Kihei Coast-Kulanihakoii	HIW00043	Dry	?	N	N	N	?	N	N		3,5	L
C	Kihei Coast-Lipoa-South	HIW00072	Dry	?	?	?	?	?	N	N		3,5	L
C	Kihei Coast-Luana Kai	HIW00041	Dry	?	N	N	N	?	N	N		3,5	L
C	Kihei Coast-Maui Coast	HIW00073	Dry	?	?	N	?	?	N	N		3,5	L
C	Kihei Coast-Mokulele	HIW00042	Dry	?	N	N	?	?	N	N		3,5	L
C	Kihei Coast-South Kamaole II	HIW00071	Dry	?	?	N	?	?	?	N		3,5	L
C	Koki Beach Park (VFW)	HI650469	Dry	?	?	?	?	?	?	?		3	
C	Ku'au Bay	HI276573	Dry	A	?	?	?	?	?	?		2,3	
C	Kuiaha Bay	HI852861	Dry	?	?	?	?	?	?	?		3	
C	La Perouse Bay	HI674004	Dry	?	?	?	?	?	?	?		3	
C	Lahaina Beach	HI407363	Dry	A	?	?	?	?	?	?		2,3	
B	Lahaina Harbor	HIW00137	Dry	?	?	?	?	?	N	?		3,5	M
C	Launiupoko St. Wayside Park	HI558359	Dry	A	?	?	?	?	N	?		2,3,5	M
C	Leho'ula Beach	HI884223	Dry	?	?	?	?	?	?	?		3	
C	Lower Pa'ia (Pa'ia Outfall Station)	HI864937	Dry	A	?	?	?	?	N	?		2,3,5	L
C	Ma'alaea Beach	HI058731	Dry	A	?	?	?	?	N	N		2,3,5	L
B	Ma'alaea Boat Harbor Station*	HIW00082	Dry	?	N	N	?	?	N	N		3,5	L
B	Ma'alaea Small Boat Harbor	HIW00140	Dry	?	?	?	?	?	N	N		3,5	L
C	Mai Poina Oe Iau Beach Co. Park	HIW00025	Dry	A	?	?	?	?	N	?		2,3,5	L
C	Mai Poina Oe Iau Beach Co. Park (Kihei N. Station)	HI715975	Dry	A	?	?	?	N	N	N		2,3,5	L
C	Maka'alaie Point	HI978171	Dry	?	?	?	?	?	?	?		3	
C	Makena Landing Beach	HI245556	Dry	A	?	?	?	?	?	?		2,3	

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C	Makena Landing-Maluaka Beach	HIW00142	Dry	? <i>N</i>	N	N	N	A	<u>N</u>	<u>A</u>		2,3,5	L
C	Mala Wharf	HIW00171	Dry	N	? <i>N</i>	? <i>N</i>	? <i>N</i>	N	N	N		3,5	M
C	Mala Wharf Area	HIW00138	Dry	? <i>N</i>	N	N	N	A	N	N		2,3,5	L
C	Mala Wharf-West Maui Coast	HIW00123	Dry	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	N	N		3,5	M
C	Maliko Bay	HI423064	Dry	N	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	<u>N</u>	? <i>N</i>		3,5	L
C	Malu'aka Beach	HI847607	Dry	A	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		2,3	
C	Mantokuji Bay	HI482300	Dry	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		3	
C	McGregor Point	HI227321	Dry	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		3	
C	Mokapu Beach Park	HI861961	Dry	A	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		2,3	
C	Mokulau	HI519980	Wet	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		3	
C	Mokule'ia Beach	HI977299	Dry	A	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		2,3	
C	Nahiku	HI983172	Wet	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		3	
C	Napili Bay	HI764060	Dry	A	A	N	N	N	? <i>N</i>	N		2,3,5	L
C	Nu'u Bay	HI176594	Dry	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		3	
C	Olowalu (Shorefront)	HIW00021	Dry	A	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	N	N		2,3,5	L
C	Olowalu (Teen Challenge)	HI491359	Dry	A	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	N	? <i>N</i>		2,3,5	L
C	Oneloa Bay Beach	HI740710	Dry	A	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		2,3	
C	Oneloa Beach (Big Beach) (Makena Beach Station)	HI279887	Dry	A	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	N	N		2,3,5	L
C	Oneloa Beach (Big Beach)-Ahihi-Kinau	HIW00144	Dry	? <i>N</i>	N	N	N	A	A	<u>A</u>		2,3,5	L
C	Oneuli Beach	HI756040	Dry	A	N	N	N	<u>N</u>	A	<u>A</u>		2,5	L
C	Palauea Beach Park	HI997014	Dry	A	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		2,3	
C	Papalaua	HI462219	Dry	A	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		2,3	
C	Pepeiaolepo Bay	HI136430	Wet	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		3	
C	Polo Beach Park	HI339656	Dry	A	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		2,3	
C	Poolenalena Beach	HI684864	Dry	A	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>	? <i>N</i>		2,3	

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C	Poolenalena-Makena Landing	HIW00143	Dry	?	N	N	N	A	<u>N</u>	<u>A</u>		2,3,5	L
C	Puamana Beach Co. Park	HI167153	Dry	A	?	?	?	?	?	?		2,3	
C	Punalau	HI641109	Dry	?	?	?	?	?	?	?		3	
C	Pu'u ola'i (Small Beach)	HI157533	Dry	A	?	?	?	?	?	?		2,3	
C	Pu'unoa Beach	HI373055	Dry	A	?	?	?	?	N	?		2,3,5	M
C	Spreckelsville	HI789952	Dry	A	?	?	?	?	<u>N</u>	?		2,3,5	L
C	Ukumehame Beach Co. Park	HI814309	Dry	A	?	?	?	?	?	?		2,3	
C	Ulua Beach Park	HI588333	Dry	A	?	?	?	?	N	N		2,3,5	L
C	Wahikuli State Wayside Park	HI169380	Dry	A	?	?	?	?	<u>N</u>	N		2,3,5	M
C	Wai'anapanapa State Park	HI118874	Dry	?	?	?	?	?	?	?		3	
C	Waiehu Beach Co. Park	HI916183	Wet	A	?	?	?	?	<u>N</u>	?		<u>2,3,5</u>	<u>L</u>
C	Waihee	HI343702	Wet	A	?	?	?	?	?	?		2,3	
C	Waikoloa Beach	HI796679	Dry	?	?	?	?	?	?	?		3	
C	Wailea Beach Park	HI278988	Dry	A	?	?	?	?	<u>N</u>	?		2,3,5	L
C	Waimaha'ihai Beach	HI236756	Dry	?	?	?	?	?	?	?		3	
C	Waipulani	HI284036	Dry	A	?	?	?	?	?	?		2,3	
C	West Maui Coast-Hanakeana Cove	HIW00044	Dry	?	N	N	?	?	N	N		3,5	M
C	West Maui Coast-Kahana Cove	HIW00045	Dry	?	N	N	?	?	N	N		3,5	M
C	West Maui Coast-Kahana Sunset	HIW00075	Dry	?	?	N	?	?	N	N		3,5	M
C	West Maui Coast-Kahana Village	HIW00076	Dry	?	?	?	?	?	N	N		3,5	M
C	West Maui Coast-Kaopala Bay	HIW00046	Dry	?	N	N	N	?	N	N		3,5	M
C	West Maui Coast-Lokelani	HIW00077	Dry	?	?	N	?	?	N	N		3,5	M
C	West Maui Coast-Napili Bay	HIW00078	Dry	?	?	N	?	?	N	N		3,5	M
C	West Maui Coast-near shore waters to 60' from Honolua-Lahaina	HIW00060		?	Y	Y	?	Y	N	?	TSS (Y)	3,5	M
C	West Maui Coast-S-Turns (Pohaku)	HIW00047		?	N	N	?	?	N	N		3,5	M
C	West Maui-Honokowai Watershed	HIW00208	Dry	?	?	?	?	?	?	?		3	

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C	West Maui-Kahana Watershed	HIW00207	Dry	?	?	?	?	?	?	?		3	
C	West Maui-Papakea	HIW00079	Dry	?	?	?	?	?	N	N		3,5	M
C	West Maui-Puamana	HIW00080	Dry	?	?	?	?	?	N	N		3,5	M
C	West Maui-Wahikuli Watershed	HIW00209	Dry	?	?	?	?	?	?	?		3	

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HAWAII (BIG ISLAND) Stream Waters

Assessed Water Body	Water Body Type	Scope of Assessment	Geocode ID	Season	Enterococci	TN	NO ₃ +NO ₂	TP	Turbidity	TSS	Other Pollutants	Category	TMDL Priority
Aamakao	Stream	EN	8-1-12	Dry	?	A	A	A	N	A		2,3,5	L
Aamakao	Stream	EN	8-1-12	Wet	?	A	A	A	A	A		2,3	
Alenaio	Stream	EN	8-2-61.01.1		?	V	V	V	?	?		3,5	H (IP)
Hakalau	Stream	EN	8-2-32		?	V	V	V	V	?		3,5	M
Halawa	Stream	EN	8-1-11		?	?	?	?	?	?		3	
Halelua	Stream	EN	8-1-10	Wet	?	?	?	?	N1c	?		3,5	L
Hanaula	Stream	EN	8-1-06		?	?	?	?	?	?		3	
Hapahapai	Stream	EN	8-1-07		?	?	?	?	?	?		3	
Honolii	Stream	EN	8-2-56	Dry	?	A	A	A	N	A		2,3,5	L
Honolii	Stream	EN	8-2-56	Wet	?	A	A	A	A	A		2,3	
Kaieie	Stream	EN	8-2-49	Dry	?	A	A	A	?	A		2,3	
Kaieie	Stream	EN	8-2-49	Wet	?	V	V	V	?	?		3,5	L
Kalaoa	Stream	EN	8-2-47	Both	?	Ac	Ac	Ac	Ac	Ac		2,3	
Kalaoa	Stream	EN	8-2-47	Dry	?	Ac	Ac	Ac	A	Ac		2,3	
Kapehu	Stream	EN	8-2-37	Dry	?	Ac	N	A	N	A		2,3,5	L
Kapehu	Stream	EN	8-2-37	Wet	?	A	A	A	A	A		2,3	
Kapue	Stream	EN	8-2-53	Dry	?	Ac	Ac	Ac	N	Ac		2,3,5	L
Kapue	Stream	EN	8-2-53	Wet	?	Ac	Ac	Ac	?	Ac		2,3	
Kapulena	Stream	EN	8-1-52		?	?	?	?	?	?		3	
Kawaikalia	Stream	EN	8-1-53		?	?	?	?	?	?		3	
Kolekole	Stream	EN	8-2-33	Dry	?	A	A	A	A	A		2,3	
Kolekole	Stream	EN	8-2-33	Wet	?	A	A	A	A	A		2,3	
Kumakua	Stream	EN	8-1-03		?	?	?	?	?	?		3	
Lalakea	Stream	EN	8-1-45	Dry	?	Ac	Ac	Ac	N	Ac		2,3,5	L
Lalakea	Stream	EN	8-1-45	Wet	?	Ac	Ac	Ac	A	Ac		2,3	
Mali	Stream	EN	8-2-57	Dry	?	Ac	Ac	Ac	N	Ac		2,3,5	L

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HAWAII (BIG ISLAND) Stream Waters

Assessed Water Body	Water Body Type	Scope of Assessment	Geocode ID	Season	Enterococci	TN	NO ₃ +NO ₂	TP	Turbidity	TSS	Other Pollutants	Category	TMDL Priority
Maili	Stream	EN	8-2-57	Wet	?	Ac	Ac	Ac	Ac	Ac		2,3	
Nanue	Stream	EN	8-2-27		?	?	?	?	?	?		3	
Nienie	Stream	EN	8-1-61		?	?	?	?	?	?		3	
Niulii	Stream	EN	8-1-13	Dry	?	A	A	A	N	A		2,3,5	L
Niulii	Stream	EN	8-1-13	Wet	?	A	A	A	A	A		2,3	
Paheehee	Stream	EN	8-2-34	Dry	?	Ac	Ac	Ac	A	Ac		2,3	
Paheehee	Stream	EN	8-2-34	Wet	?	Ac	Ac	Ac	Ac	Ac		2,3	
Pali Akamoa	Stream	EN	8-1-08		?	?	?	?	?	?		3	
Pololu	Stream	EN	8-1-15	Dry	?	?	?	?	?	?		3	
Pololu	Stream	EN	8-1-15	Wet	?	?	?	?	Ac	?		2,3	
Pukihae	Stream	EN	8-2-59	Dry	?	Ac	Ac	Ac	A	Ac		2,3	
Pukihae	Stream	EN	8-2-59	Wet	?	Ac	Ac	Ac	Ac	Ac		2,3	
Waiakea	Stream	EN	8-2-61		?	V	V	V	?	?		3,5	H (IP)
Waialeale	Stream	EN	8-1-50		?	?	?	?	?	?		3	
Waikama	Stream	EN	8-1-14	Dry	?	A	A	A	N	A		2,3,5	L
Waikama	Stream	EN	8-1-14	Wet	?	A	A	A	A	A		2,3	
Waikoloa	Stream	EN	8-1-51		?	?	?	?	?	?		3	
Wailoa	Estuary	EE	8-2-61-E		?	V	V	V	V	?		3,5	M
Wailoa/Waipio	Stream	EN	8-1-44	Dry	?	N	N	N	A	A		2,3,5	L
Wailoa/Waipio	Stream	EN	8-1-44	Wet	?	Nc	N1	Ac	A	Ac		2,3,5	
Wailuku	Stream	EN	8-2-60	Dry	?	A	N	A	A	A		2,3,5	L
Wailuku	Stream	EN	8-2-60	Wet	?	A	A	A	A	A		2,3	
Wainaiia	Stream	EN	8-1-09	Dry	?	Ac	Ac	Ac	?	Ac		2,3	
Wainaiia	Stream	EN	8-1-09	Wet	?	Ac	Ac	Ac	N	Ac		2,3,5	L
Waipunahoe	Stream	EN	8-1-49		?	?	?	?	?	?		3	
Waipunalau	Stream	EN	8-1-77		?	?	?	?	?	?		3	

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HAWAII (BIG ISLAND) Stream Waters

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Waiulili	Stream	EN	8-1-47	Dry	?	?	?	?	?	?		3	
Waiulili	Stream	EN	8-1-47	Wet	?	?	?	?	Ac	?		2,3	

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HAWAII (BIG ISLAND) Marine Waters

Water Body Type	Scope of Assessment	Geocode ID	Wet/Dry Criteria	Enterococci	TN	NO ₃ +NO ₂	NH ₄	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category	TMDL Priority
K	2nd Beach (next to Mahaiula)	HI616452	NA	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
K	Anaehoomalu Bay	HI326172	NA	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
C	Analani Pond (Puala'a)	HI707059	Dry	<u>N</u>	?	?	?	?	<u>N</u>	?		3,5	<u>L</u>
K	Banyan's Surfing Area	HI713314	NA	<u>A</u>	?	?	?	?	<u>N</u>	?		2,3,5	L
C	Hakalau Co. Park	HI138086	Wet	A	?	?	?	?	?	?		2,3	
C	Halape Shelter	HI645539	Dry	?	?	?	?	?	?	?		3	
K	Hapuna Beach St. Recreation Area	HI621002	NA	A	N	N	N	N	N	N		2,5	L
B	Hilo Bay (Boat Landing)	HIW00027	Wet	A	?	?	?	?	<u>N</u>	N		2,3,5	L
B	Hilo Bay (Canoe Beach)	HI315019	Wet	A	N	N	<u>A</u>	N	N	A		2,5	L
B	Hilo Bay (Coconut Isle)	HI977673	Wet	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
B	Hilo Bay (Exit of Ice Pond)	HI659453	Wet	A	N	N	A	N	<u>A</u>	A		2,5	L
B	Hilo Bay (Lighthouse)	HIW00028	Wet	<u>N</u>	A	N	N	<u>N</u>	N	A		2,5	L
B	Hilo Bay (Offshore)	HIW00031	Wet	?	?	N	N	?	N	N		3,5	L
B	Hilo Bay-inshore of breakwater and near shore waters from Wainaku to Paukaa	HIW00098	Wet	?	V	V	?	V	N	?		3,5	L
K	Holoholokai	HI582331	NA	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
K	Honaunau Bay	HIW00176	NA	?	?	?	?	?	?	?		3	
K	Honaunau Bay (2 Step)	HI246645	NA	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
K	Honokohau Beach	HI315174	NA	?	N	N	N	N	N	A	PO ₄ (N)	2,3,5	L
B	Honokohau Boat Harbor	HIW00099	Dry	?	?	?	?	?	?	?		3	
C	Honoli'i Beach Co. Park	HI857411	Wet	A	?	?	?	?	N	?		2,3,5	L
C	Ho'okena	HI152572	Dry	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
E	James Kealoha Park	HI670254	NA	A	?	?	?	?	<u>A</u>	?		2,3	
K	Kahalu'u Beach Co. Park	HI013290	NA	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>

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HAWAII (BIG ISLAND) Marine Waters

Water Body Type	Scope of Assessment	Geocode ID	Wet/Dry Criteria	Enterococci	TN	NO ₃ +NO ₂	NH ₄	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category	TMDL Priority
K	Kahoiawa Bay	HIW00150	NA	?	N	A	A	A	N	A		2,3,5	L
K	Kahoiawa Bay-Makalawena	HIW00151	NA	?	N	A	A	A	N	A		2,3,5	L
K	Kahuwai Bay	HI990843	NA	?	?	?	?	?	?	?		3	
K	Kahuwai Bay-Mano Point	HIW00153	NA	?	N	A	A	<u>N</u>	N	A	PO ₄ (N)	2,3,5	L
K	Kailua Bay	HI753566	NA	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
K	Kakapa Bay	HIW00152	NA	?	N	A	A	A	N	A		2,3,5	L
C	Ka Lae (South Point)	HI107517	Dry	?	?	?	?	?	?	?		3	
C	Kalapana Beach (new) (Harry K. Brown Beach Co. Park)	HI542822	Dry	A	?	?	?	?	?	?		2,3	
K	Kaluhika'a Beach	HI327989	NA	?	?	?	?	?	?	?		3	
K	Kamakaokahonu	HIW00032	NA	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
K	Kamakaokahonu (Kailua Pier A-1)	HI261474	NA	A	?	?	?	N	<u>N</u>	?		2,3,5	L
K	Kamoa Point	HI602472	NA	?	?	?	?	?	?	?		3	
C	Kapoho Bay	HI391407	Dry	<u>A</u>	?	?	?	?	<u>N</u>	?		2,3,5	L
C	Kapoho Beach Lots	HIW00196	Dry	A	?	?	?	?	?	?		2,3	
C	Kapoho Tidepools (Vacationland)	HI122881	Dry	A	?	?	?	?	N	?		2,3,5	L
C	Kapu'a Bay	HIW00067	Dry	?	?	?	?	?	?	?		3	
C	Kauiii Point-Kapaa Beach Park	HIW00201	Dry	?	N	<u>A</u>	N	A	A	N		2,3,5	L
O	Kauiii Point-Kapaa Beach Park (Oceanic)	HIW00202	NA	?	N	A	A	N	N	N		2,3,5	L
K	Kauna'oa Beach	HI261869	NA	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
K	Ka'upulehu	HI770607	NA	A	?	?	?	?	?	?		2,3	
C	Kawa Bay	HI535602	Dry	?	?	?	?	?	?	?		3	
B	Kawaihae Harbor	HI978783	Dry	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
B	Kawaihae Harbor/Pelekane Bay	HIW00155	Dry	?	?	?	?	?	N	?		3,5	L
K	Keahole Point	HIW00203	NA	?	A	A	<u>A</u>	<u>N</u>	<u>A</u>	A	PO ₄ (A)	2,3,5	L
K	Kealakekua Bay	HIW00149	NA	?	N	N	A	N	N	A	PO ₄ (N)	2,3,5	L
K	Kealakekua Bay (off Curio Stand)	HIW00183	NA	A	?	?	?	?	N	?		2,3,5	L

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C	Kealia Beach	HI514168	Dry	?	?	?	?	?	?	?		3	
K	Keauhou Bay (Kona)	HI713293	NA	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>
E	Keaukaha Beach Park	HI849313	NA	A	?	?	?	?	<u>A</u>	?		2,3	
K	Keawaiki	HI929053	NA	?	?	?	?	?	?	?		3	
K	Ke'e'i	HI858729	NA	?	?	?	?	?	?	?		3	
C	Kehena	HI459942	Dry	A	?	?	?	?	?	?		2,3	
C	Keokea Beach Co. Park	HI784200	Dry	?	?	?	?	?	?	?		3	
K	Keone'e'le Cove	HI559410	NA	A	?	?	?	?	?	?		2,3	
C	Kolekole Beach Co. Park	HI693485	Wet	A	?	?	?	?	N	?		2,3,5	L
K	Kuki'o Bay	HIW00154	NA	?	N	N	<u>A</u>	N	N	A	PO ₄ (N)	2,3,5	L
C	Kulaimano	HIW00204	Wet	?	A	A	A	A	A	A		2,3	
C	Lapakahi St. Hist. Park	HI490010	Dry	?	?	?	?	?	?	?		3	
C	Laupahoehoe Beach Co. Park	HI380623	Wet	A	?	?	?	?	?	?		2,3	
E	Lehia Beach	HI691720	NA	A	?	?	?	?	?	?		2,3	
E	Leleiwi Beach Co. Park	HI540868	NA	A	?	?	?	N	<u>A</u>	?		2,3,5	L
E	Leleiwi Beach Co. Park (Richardson Ocean Center)	HIW00030	NA	A	?	?	?	?	<u>A</u>	N		2,3,5	L
K	Mahai'ula Bay	HI694255	NA	?	?	?	?	?	?	?		3	
C	Mahukona Beach Co. Park	HI273526	Dry	?	?	?	?	?	?	?		3	
C	Mahukona Harbor	HIW00197	Dry	?	N	N	N	<u>N</u>	<u>A</u>	N		2,3,5	L
O	Mahukona Harbor (Oceanic)	HIW00198	NA	?	N	A	<u>N</u>	N	N	N		2,3,5	L
K	Makalawena	HI901744	NA	?	?	?	?	?	?	?		3	
C	Makaohule Point-Kauilii Point	HIW00199	Dry	?	N	N	N	A	A	N		2,3,5	L
O	Makaohule Point-Kauilii Point (Oceanic)	HIW00200	NA	?	N	A	A	N	N	N		2,3,5	L
K	Makole'a Beach	HI223059	NA	?	?	?	?	?	?	?		3	
K	Manini Point Co. Park	HI379764	NA	?	?	?	?	?	?	?		3	
K	Manini'owali	HI720408	NA	A	N	A	A	<u>N</u>	N	A	PO ₄ (<u>N</u>)	2,5	L
K	Mauna Lani (Kalahui'pua'a)	HI890924	NA	A	?	?	?	?	<u>N</u>	?		2,3,5	<u>L</u>

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K	Mau'umae Beach	HI120357	NA	?	?	?	?	?	?	?		3	
C	Miloli'i Beach	HI470112	Dry	A	?	?	?	?	<u>N</u>	?		<u>2,3,5</u>	<u>L</u>
C	Ninole	HI124561	Dry	?	?	?	?	?	?	?		3	
K	Ohai'ula Beach	HI143737	NA	?	?	?	?	?	?	?		3	
K	Old Kona Airport St. Recreation Area	HI256093	NA	A	?	?	?	?	?	?		2,3	
C	Onekahakaha Beach Co. Park	HI862286	Wet	A	?	?	?	?	<u>N</u>	?		<u>2,3,5</u>	<u>L</u>
C	Onekahakaha Beach Co. Park (Puhi Bay #3)	HIW00029	Wet	A	?	?	?	?	<u>N</u>	N		<u>2,3,5</u>	<u>L</u>
K	Paaao Point to Keawekeheka Point	HIW00145	NA	?	N	A	A	A	A	A	PO ₄ (A)	2,3,5	L
K	Pahoehoe Beach Co. Park	HI935352	NA	?	?	?	?	?	?	?		3	
C	Papa'i (King's Landing)	HI112071	Dry	?	?	?	?	?	?	?		3	
K	Pelekane Bay	HI738158	NA	<u>A</u>	N	N	N	N	<u>N</u>	N		<u>2,5</u>	L
K	Pine Trees	HI320616	NA	A	N	A	A	A	<u>N</u>	A	PO ₄ (A)	2,5	L
K	Pine Trees-Honokohau	HIW00146	NA	?	N	N	N	N	<u>N</u>	A	PO ₄ (N)	2,3,5	L
C	Pohoiki Beach	HI316864	Dry	A	?	?	?	?	<u>N</u>	?		<u>2,3,5</u>	<u>L</u>
C	Pololu Valley	HI183806	Dry	?	?	?	?	?	?	?		3	
K	Puako	HI668132	NA	A	?	?	?	?	<u>N</u>	?		<u>2,3,5</u>	<u>L</u>
K	Puako Bay	HIW00033	NA	A	?	?	?	?	?	?		2,3	
K	Pueo Bay	HI930479	NA	?	?	?	?	?	?	?		3	
C	Puhi Bay	HIW00206	Wet	<u>A</u>	A	<u>N</u>	A	A	A	A		<u>2,5</u>	<u>L</u>
C	Punalu'u	HI224651	Dry	A	?	?	?	?	?	?		2,3	
K	Pu'uhonua o Honaunau	HI478461	NA	?	?	?	?	?	?	?		3	
E	Radio Bay	HI425303	NA	A	?	?	?	?	?	?		2,3	
C	Road to the Sea	HI849236	Dry	?	?	?	?	?	?	?		3	
K	Spencer Beach Co. Park	HI936372	NA	A	?	?	?	?	<u>N</u>	N		<u>2,3,5</u>	L
K	Waialea Bay	HI381812	NA	?	?	?	?	?	?	?		3	
E	Wailoa River (Boat Ramp)	HIW00172	NA	N	N	N	N	N	?	?		3,5	M
C	Waipahi Point	HIW00205	Wet	?	A	A	A	A	A	A		2,3	

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C	Waipi'o Bay	HI534434	Wet	?	?	?	?	?	?	?		3	
K	Waiulaula	HI934020	NA	A	N	N	N	N	<u>N</u>	N		2,5	L
K	Waiulua Bay to Anaehoomalu Bay	HIW00148	NA	?	N	N	N	N	N	<u>A</u>	PO ₄ (N)	<u>2,3,5</u>	L
K	Wawaloli Beach	HI643938	NA	A	?	?	?	?	<u>N</u>	?		2,3, <u>5</u>	<u>L</u>
K	Wawaloli Beach-Pine Trees	HIW00147	NA	?	N	A	A	A	N	A	PO ₄ (N)	2,3,5	L
K	White Sands Beach Co. Park (Magic Sands)	HI436267	NA	A	?	?	?	?	N	N		2,3,5	L
C	Whittington Beach Co. Park	HI720900	Dry	A	?	?	?	?	?	?		2,3	

Decision Codes: ? = insufficient data, A = attained, A_T = attained (TMDL approved for parameter), N = not attained, N_T = not attained (TMDL approved for parameter), V = visual listing from 2001-2004, Y = previous listing from 1998 or earlier.; **Category:** 1 = all uses attained, 2 = some uses attained, 3 = not enough data to evaluate, 4 = at least one use not attained, but no TMDL needed, 4a = TMDL approved, 5 = at least one use not attained, TMDL needed; **TMDL Priority Codes:** High (H), Medium (M), & Low (L) priority for initiating TMDL development within the current monitoring and assessment cycle (through October 31, 2013); **IP** = TMDL development in progress; prior assessments confirmed with new data are shaded; *category changes are bolded, italicized, underlined & shaded.*

APPENDIX A

Table 9. Marine water bodies grouped with associated HUC-12 watershed.

Island	HUC-12	Scope of Assessment	Geocode
Kauai	Aakukui Valley-Mahinauli Gulch	Hanapepe Bay- from breakwater to shore and near shore waters to 30' from Puolo Point to Paakehi Point	HIW00048
Kauai	Aakukui Valley-Mahinauli Gulch	Pakala (Makaweli)	HI468251
Kauai	Aakukui Valley-Mahinauli Gulch	Salt Pond Beach Co. Park	HI701008
Kauai	Anahola Stream	Aliomanu Beach	HI710019
Kauai	Anahola Stream	Anahola Beach	HI823433
Kauai	Anahola Stream	Anahola Beach	HI270737
Kauai	Anahola Stream	Donkey Park	HI853903
Kauai	Anahola Stream	Papa'a Bay	HI130639
Kauai	Hanalei River	Black Pot Beach Park	HI891354
Kauai	Hanalei River	Hanalei Bay (Landing)	HIW00093
Kauai	Hanalei River	Hanalei Bay (Pavilion)	HIW00092
Kauai	Hanalei River	Hanalei Bay (Waioli Beach)	HIW00091
Kauai	Hanalei River	Hanalei Bay Mooring Station*	HIW00157
Kauai	Hanalei River	Hanalei Bay upstream of Dolphin*	HIW00160
Kauai	Hanalei River	Hanalei River (End of Weke Road)	HI385259
Kauai	Hanalei River	Princeville	HI520271
Kauai	Hanalei River	Waikoko Bay	HI330114
Kauai	Hanalei River	Waikoko Estuary	HIW00162
Kauai	Hanalei River	Waioli Stream Estuary	HIW00163
Kauai	Hanalei River	Waipa Stream Estuary	HIW00164
Kauai	Hanama'ulu Stream	Hanama'ulu Bay	HIW00063
Kauai	Hanauma'ulu Stream	Hanama'ulu Bay (Beach)	HIW00094
Kauai	Hanauma'ulu Stream	Nukolii Beach Park	HI502794
Kauai	Hanama'ulu Stream	Lydgate Park	HI798758
Kauai	Hanapepe River	Port Allen	HIW00185
Kauai	Hanapepe River	Port Allen Boat Harbor	HIW00120
Kauai	Hanapepe River	Port Allen Boat Harbor (Port Allen Pier)	HIW00026

Island	HUC-12	Scope of Assessment	Geocode
Kauai	Kahelunui Valley	Polihale State Park	HI247403
Kauai	Kalalau Stream-Hanakapi'ai Stream	Haena Beach Park	HI554189
Kauai	Kalalau Stream-Hanakapi'ai Stream	Hanakapi'ai Beach	HI797414
Kauai	Kalalau Stream-Hanakapi'ai Stream	Kalalau Beach	HI908803
Kauai	Kalalau Stream-Hanakapi'ai Stream	Kee Beach	HI124511
Kauai	Kalalau Stream-Hanakapi'ai Stream	Kepuhi Beach	HI344813
Kauai	Kalalau Stream-Hanakapi'ai Stream	Na Pali Coast State Park	HI709808
Kauai	Kalalau Stream-Hanakapi'ai Stream	Tunnels Beach	HI936087
Kauai	Kalihiwai River	Anini Beach	HI338804
Kauai	Kalihiwai River	Anini Beach Park	HI418744
Kauai	Kalihiwai River	Kalihiwai Bay	HI264001
Kauai	Kalihiwai River	Kauapea Beach (Secret Beach)	HI669328
Kauai	Kalihiwai River	Kilauea Point National Wildlife Refuge	HI471488
Kauai	Kapa'a Stream	Kapa'a Beach Co. Park	HI972832
Kauai	Kapa'a Stream	Kealia	HI402035
Kauai	Kapa'a Stream	Waipouli Beach	HI682678
Kauai	Kilauea Stream	Kahili Beach	HI533519
Kauai	Kilauea Stream	Kilauea Point National Wildlife Refuge	HI471488
Kauai	Kilauea Stream	Larsens Beach	HI860960
Kauai	Kilauea Stream	Moloa'a Bay	HI547745
Kauai	Kilauea Stream	Pila'a Beach	HI363048
Kauai	Kilauea Stream	Waiakalua Iki Beach	HI505816
Kauai	Kilauea Stream	Waiakalua Nui Beach	HI371632
Kauai	Lumaha'i River	Lumaha'i Beach	HI889639
Kauai	North Fork Wailua River	Wailua (Wailua River Station)	HI606168
Kauai	Nualolo Valley	Miloli'i	HI333210
Kauai	Nualolo Valley	Na Pali Coast State Park	HI709808
Kauai	Nualolo Valley	Nu'alolo	HI945520
Kauai	Papakolea Stream-Nawiliwili Stream	Nawiliwili Bay (Kalapaki Beach)	HIW00114
Kauai	Papakolea Stream-Nawiliwili Stream	Nawiliwili Bay (Nawiliwili Harbor)	HIW00115
Kauai	Papakolea Stream-Nawiliwili Stream	Nawiliwili Bay (Offshore)	HIW00116
Kauai	Papakolea Stream-Nawiliwili Stream	Nawiliwili Bay-from breakwater to shore	HIW00059
Kauai	Waieli Draw	Kekaha Beach Co. Park	HI530569
Kauai	Waieli Draw	Kikiaola Beach	HI119207
Kauai	Waieli Draw	Kikiaola Boat Harbor	HIW00112
Kauai	Waieli Draw	Mana Point	HIW00184

Island	HUC-12	Scope of Assessment	Geocode
Kauai	Waieli Draw	Pacific Missile Range Facility	HI176480
Kauai	Waieli Draw	Waimea Bay Beach-near shore waters to 18' from Kekaha Oomano Point-1.5 miles SE of Mahinaui Stream	HIW00057
Kauai	Wahiawa Stream-Lawa'i Stream	Glass Beach	HI949505
Kauai	Wahiawa Stream-Lawa'i Stream	Hanapepe Bay	HIW00095
Kauai	Wahiawa Stream-Lawa'i Stream	Lawa'i Kai	HI434882
Kauai	Wahiawa Stream-Lawa'i Stream	Palama Beach (Nomilu)	HI665178
Kauai	Wahiawa Stream-Lawa'i Stream	Wahiawa Bay	HI179708
Kauai	Wahiawa Stream-Lawa'i Stream	Wahiawa Bay	HIW00121
Kauai	Waikomo Stream	Beach House Beach	HI156238
Kauai	Waikomo Stream	Brennecke Beach	HI166521
Kauai	Waikomo Stream	Gillin's Beach	HI976083
Kauai	Waikomo Stream	Haula Beach	HI277808
Kauai	Waikomo Stream	Kawailoa Beach	HI698776
Kauai	Waikomo Stream	Kipu Kai	HI266627
Kauai	Waikomo Stream	Koloa Landing	HI955435
Kauai	Waikomo Stream	Kukuiula Bay	HIW00113
Kauai	Waikomo Stream	Kukuiula Bay	HI619039
Kauai	Waikomo Stream	Maha'ulepu Beach	HI533799
Kauai	Waikomo Stream	Po'ipu Beach Co. Park	HI396850
Kauai	Waikomo Stream	Prince Kuhio Park	HI742228
Kauai	Waikomo Stream	Sheraton Beach	HI542569
Kauai	Waikomo Stream	Shipwreck Beach	HI358435
Kauai	Waikomo Stream	Spouting Horn Beach Co. Park	HI951651
Kauai	Waikomo Stream	Wai'ohai Beach	HI392082
Kauai	Waimea River	Waimea Bay Beach (Near River station)	HI862821
Kauai	Waimea River	Waimea Rec. Pier St. Park	HI245235
Kauai	Wainiha River	Kepuhi Beach	HI344813
Kauai	Wainiha River	Wainiha Bay	HI417823

Island	HUC-12	Scope of Assessment	Geocode
Oahu	Ala Wai Canal	Ala Moana Beach (Center)	HIW00001
Oahu	Ala Wai Canal	Ala Moana Beach (Diamond Head)	HIW00002
Oahu	Ala Wai Canal	Ala Moana Beach (Ewa)	HI473893
Oahu	Ala Wai Canal	Ala Wai Boat Harbor (Ala Moana Bridge Station)	HIW00125
Oahu	Ala Wai Canal	Ala Wai Canal and Boat Harbor	HIW00050
Oahu	Ala Wai Canal	Ala Wai Canal and Harbor (Canal-Diamond Head Station)	HIW00085
Oahu	Ala Wai Canal	Ala Wai Canal and Harbor (Manoa & Palolo KHS Station)	HIW00036
Oahu	Ala Wai Canal	Ala Wai Canal and Harbor (Manoa Stream Fork Station)	HIW00035
Oahu	Ala Wai Canal	Ala Wai Canal and Harbor (Manoa-Palolo Stream Mouth Station)	HIW00087
Oahu	Ala Wai Canal	Ala Wai Canal and Harbor (McCully Bridge Station)	HIW00086
Oahu	Ala Wai Canal	Ala Wai Canal and Harbor (Palolo Stream Fork)	HIW00034
Oahu	Ala Wai Canal	Fort DeRussy Beach	HI045715
Oahu	Ala Wai Canal	Gray's Beach	HI941499
Oahu	Ala Wai Canal	Honolulu Harbor & Shore Area-Kewalo Basin	HIW00051
Oahu	Ala Wai Canal	Honolulu Harbor-near shore waters to 30' from one mile NW of Honolulu Harbor/Sand Island Channel to Waikiki Beach	HIW00049
Oahu	Ala Wai Canal	Kahanamoku Beach	HI366432
Oahu	Ala Wai Canal	Kahanamoku Lagoon	HIW00003
Oahu	Ala Wai Canal	Kakaako Waterfront	HI302297
Oahu	Ala Wai Canal	Kapi'olani Park	HI733929
Oahu	Ala Wai Canal	Kewalo Basin	HIW00126
Oahu	Ala Wai Canal	Kuhio Beach	HI681782
Oahu	Ala Wai Canal	Kuhio Beach (Public Bath)	HI851298
Oahu	Ala Wai Canal	Magic Island	HI529142
Oahu	Ala Wai Canal	Mamala Bay (Oceanic)	HIW00015
Oahu	Ala Wai Canal	Outrigger Canoe Club Beach	HI943325
Oahu	Ala Wai Canal	Point Panic	HI197311
Oahu	Ala Wai Canal	Queen's Surf Beach Park	HIW00069
Oahu	Ala Wai Canal	Royal-Moana Beach	HI898947
Oahu	Ala Wai Canal	Sans Souci	HI617815
Oahu	Ala Wai Canal	Tongg's	HI248913
Oahu	Ala Wai Canal	Waikiki Beach Center	HI244505
Oahu	Ala Wai Canal	War Memorial Natatorium	HI624259
Oahu	Anahulu River	Chun's Reef	HI950962

Island	HUC-12	Scope of Assessment	Geocode
Oahu	Anahulu River	Haleiwa Beach Park	HI994019
Oahu	Anahulu River	Haleiwa Boat Harbor	HIW00127
Oahu	Anahulu River	Kawailoa Beach	HI312049
Oahu	Anahulu River	Laniakea Beach	HI183312
Oahu	Anahulu River	Papa'iloa Beach	HI478834
Oahu	Anahulu River	Waiialua Bay	HI451176
Oahu	Anahulu River	Waiialua/Kaiaka Bays near shore waters to 60' from Puaena Point to a point 1.5 miles W of Kaiaka Point	HIW00083
Oahu	Halawa Stream-Waimalu Stream	Mamala Bay (Fort Kam Offshore)	HIW00190
Oahu	Halawa Stream-Waimalu Stream	Pearl Harbor	HIW00006
Oahu	Halawa Stream-Waimalu Stream	Pearl Harbor-harbor waters and near shore waters to 30' from Keehi Lagoon to Oneula Beach	HIW00119
Oahu	Heeia Stream-Kaneohe Stream	Heeia Kea Small Boat Harbor	HIW00097
Oahu	Heeia Stream-Kaneohe Stream	Kaneohe Bay (Beach Park)	HIW00004
Oahu	Heeia Stream-Kaneohe Stream	Kaneohe Bay (Central Region)	HIW00013
Oahu	Heeia Stream-Kaneohe Stream	Kaneohe Bay (Kokokahi Pier)	HIW00005
Oahu	Heeia Stream-Kaneohe Stream	Kaneohe Bay (Southern Region)	HIW00011
Oahu	Heeia Stream-Kaneohe Stream	Kaneohe Bay at Kualoa	HI272280
Oahu	Heeia Stream-Kaneohe Stream	Kaneohe Bay-near shore waters at mouths of Kaneohe and Kawa Streams	HIW00054
Oahu	Helemano Stream	Kaiaka Bay	HIW00106
Oahu	Helemano Stream	Waiialua/Kaiaka Bays near shore waters to 60' from Puaena Point to a point 1.5 miles W of Kaiaka Point	HIW00083
Oahu	Honouliuli Stream	Hammer Point	HIW00188
Oahu	Honouliuli Stream	Iroquois Point	HI412839
Oahu	Honouliuli Stream	Pearl Harbor-harbor waters and near shore waters to 30' from Keehi Lagoon to Oneula Beach	HIW00119
Oahu	Kahana Stream	Kaaawa Beach Park	HI580360
Oahu	Kahana Stream	Kahana Bay Park	HIW00102

Island	HUC-12	Scope of Assessment	Geocode
Oahu	Kahana Stream	Kahana Bay-near shore waters to 30' from Mahie Point to a point one mile north of Kahana Bay Station	HIW00062
Oahu	Kahana Stream	Kahana Park	HIW00103
Oahu	Kahana Stream	Kalae oio Beach Park	HI860454
Oahu	Kahana Stream	Kananelu Beach	HI196120
Oahu	Kahana Stream	Kualoa Co. Regional Park	HI848207
Oahu	Kahana Stream	Kualoa Sugar Mill Beach	HI484535
Oahu	Kahana Stream	Makaua Beach Co. Park	HI542752
Oahu	Kahana Stream	Makaua Beach Co. Park	HIW00066
Oahu	Kahana Stream	Swanzy Beach Co. Park	HI151343
Oahu	Kaloi Gulch	Ewa (Open Coastal)	HIW00189
Oahu	Kaloi Gulch	Ewa Beach	HI767464
Oahu	Kaloi Gulch	Ewa Beach Park	HI319095
Oahu	Kaloi Gulch	Nimitz Beach	HI682233
Oahu	Kaloi Gulch	Ocean Pointe C	HIW00132
Oahu	Kaloi Gulch	Ocean Pointe Control	HIW00129
Oahu	Kaloi Gulch	Ocean Pointe E	HIW00130
Oahu	Kaloi Gulch	Ocean Pointe W	HIW00131
Oahu	Kaloi Gulch	Oneula Beach Park	HI825419
Oahu	Kaloi Gulch	Pearl Harbor-harbor waters and near shore waters to 30' from Keehi Lagoon to Oneula Beach	HIW00119
Oahu	Kaloi Gulch	White Plains Beach	HI267023
Oahu	Kawiwi Stream	Pokai Bay	HIW00007
Oahu	Kawiwi Stream	Pokai Bay (Oceanic)	HIW00019
Oahu	Kawiwi Stream	Pokai Bay (Open Coastal)	HIW00018
Oahu	Kawiwi Stream	Waianae Boat Harbor	HIW00124
Oahu	Kawiwi Stream	Waianae Regional Park	HI668527
Oahu	Kuapa Pond	Halona Cove	HI132946
Oahu	Kuapa Pond	Hanauma Bay	HIW00058
Oahu	Kuapa Pond	Hanauma Bay (Beach)	HIW00096
Oahu	Kuapa Pond	Hanauma Bay (Oceanic)	HIW00017
Oahu	Kuapa Pond	Hawaii Kai Station	HIW00117

Island	HUC-12	Scope of Assessment	Geocode
Oahu	Kuapa Pond	Kaloko (Queens) Beach	HI353985
Oahu	Kuapa Pond	Koke'e Beach Park	HI147970
Oahu	Kuapa Pond	Koko Kai Beach Park	HI467112
Oahu	Kuapa Pond	Maunalua Bay	HIW00016
Oahu	Kuapa Pond	Maunalua Beach Park	HI423413
Oahu	Kuapa Pond	Paiko Peninsula to Koko Head	HIW00118
Oahu	Kuapa Pond	Sandy Beach	HI776760
Oahu	Kuapa Pond	Sandy Beach (Open Coastal)	HIW00191
Oahu	Kuapa Pond	Wawamalu Beach Park	HI329454
Oahu	Mailiili Stream	Lualualei Beach Co. Park	HI800877
Oahu	Mailiili Stream	Ma'ili Beach Park	HI627464
Oahu	Mailiili Stream	Maipalaoa Beach	HI280966
Oahu	Mailiili Stream	Nanaikapono Beach	HI504242
Oahu	Mailiili Stream	Pu'uohulu Beach	HI960731
Oahu	Mailiili Stream	Ulehawa Beach	HI784010
Oahu	Makaha Stream	Kea'au Beach Co. Park	HI730738
Oahu	Makaha Stream	Laukinui Beach	HI739818
Oahu	Makaha Stream	Makaha Beach	HI632106
Oahu	Makaha Stream	Mauna Lahilahi Beach	HI639551
Oahu	Makaha Stream	Ohikilolo Beach (Barking Sands)	HI731423
Oahu	Makaha Stream	Papaoneone Beach	HI990625
Oahu	Makaleha Stream	Camp Harold Erdman	HI309544
Oahu	Makaleha Stream	Kealia Beach	HI612698
Oahu	Makaleha Stream	Mokule'ia Beach	HI908786
Oahu	Makaleha Stream	Mokule'ia Beach Co. Park	HI220308
Oahu	Makaleha Stream	Pu'uiki	HI437024
Oahu	Makua Stream	Ka'ena Point	HI645485
Oahu	Makua Stream	Makua Beach	HI915061
Oahu	Makua Stream	Yokohama Bay	HI269028
Oahu	Malaekahana Stream	Hanaka'ilio Beach	HI646411

Island	HUC-12	Scope of Assessment	Geocode
Oahu	Malaekahana Stream	Kahuku Golf Course	HI989341
Oahu	Malaekahana Stream	Kaihalulu Beach	HI668562
Oahu	Malaekahana Stream	Kuilima Cove	HI412224
Oahu	Malaekahana Stream	Laie Bay	HI472847
Oahu	Malaekahana Stream	Laniloa Peninsula (Beach)	HI201901
Oahu	Malaekahana Stream	Malaekahana State Park	HI137325
Oahu	Maunawili Stream	Fort Hase Beach	HI410735
Oahu	Maunawili Stream	Kaelepulu Stream-Kailua Beach	HIW00182
Oahu	Maunawili Stream	Kailua Bay (Open Coastal)	HIW00194
Oahu	Maunawili Stream	Kailua Beach Park	HI482719
Oahu	Maunawili Stream	Kalama Beach	HI071892
Oahu	Maunawili Stream	Kapoho Point	HIW00192
Oahu	Maunawili Stream	Lanikai Beach	HI596989
Oahu	Maunawili Stream	Lanikai Boat Ramp	HIW00193
Oahu	Maunawili Stream	North Beach	HI426406
Oahu	Maunawili Stream	Oneawa Beach	HI952205
Oahu	Moanalua Stream	Keehi Lagoon	HIW00009
Oahu	Moanalua Stream	Keehi Lagoon (Point X)	HIW00010
Oahu	Moanalua Stream	Keehi Lagoon waters and near shore waters to 30' from lagoon mouth to Pearl Harbor	HIW00055
Oahu	Moanalua Stream	Pearl Harbor-harbor waters and near shore waters to 30' from Keehi Lagoon to Oneula Beach	HIW00119
Oahu	Nanakuli Stream	Nanakuli Beach Park	HI467413
Oahu	Paumalu Stream	Banzai Beach	HI908378
Oahu	Paumalu Stream	Ehukai Beach Co. Park	HI531535
Oahu	Paumalu Stream	Kaunala Beach	HI622160
Oahu	Paumalu Stream	Kawela Bay	HI698581
Oahu	Paumalu Stream	Pahipahi'alua Beach	HI575467
Oahu	Paumalu Stream	Pipeline, The	HI188157
Oahu	Paumalu Stream	Pupukea Beach Co. Park	HI193495
Oahu	Paumalu Stream	Sunset Beach	HI860544
Oahu	Paumalu Stream	Turtle Bay	HI776670

Island	HUC-12	Scope of Assessment	Geocode
Oahu	Paumalu Stream	Waiale'e	HI109657
Oahu	Punaluu Stream	Aukai Beach Co. Park	HI145110
Oahu	Punaluu Stream	Hauula Beach Park	HI854492
Oahu	Punaluu Stream	Kaipapa'u Beach	HI787959
Oahu	Punaluu Stream	Kaluanui Beach	HI410842
Oahu	Punaluu Stream	Kokololio Beach	HI767708
Oahu	Punaluu Stream	Makao Beach	HI147212
Oahu	Punaluu Stream	Pounders Beach	HI587568
Oahu	Punaluu Stream	Punaluu Beach Park	HI148836
Oahu	Waiahole Stream-Kahaluu Stream	Kaneohe Bay (Central Region)	HIW00013
Oahu	Waiahole Stream-Kahaluu Stream	Kaneohe Bay (Northern Region)	HIW00012
Oahu	Waiahole Stream-Kahaluu Stream	Kaneohe Bay at Kualoa	HI272280
Oahu	Waiahole Stream-Kahaluu Stream	Laenani Beach Co. Park	HI930562
Oahu	Waialae Nui Gulch	Diamond Head	HI544313
Oahu	Waialae Nui Gulch	Ka'alawai Beach	HI253930
Oahu	Waialae Nui Gulch	Kahala Beach Shoreline	HI514582
Oahu	Waialae Nui Gulch	Kahala Hilton Beach	HI173325
Oahu	Waialae Nui Gulch	Kaluahole Beach	HI391176
Oahu	Waialae Nui Gulch	Kawaiku'i Beach Park	HI304424
Oahu	Waialae Nui Gulch	Kuilei Cliffs	HI431723
Oahu	Waialae Nui Gulch	Kuilei Cliffs Beach Park	HIW00064
Oahu	Waialae Nui Gulch	Kuli'ou'ou	HI360513
Oahu	Waialae Nui Gulch	Maunalua Bay	HIW00016
Oahu	Waialae Nui Gulch	Niu	HI157026
Oahu	Waialae Nui Gulch	Paiko Lagoon	HI598745
Oahu	Waialae Nui Gulch	Paiko Peninsula to Koko Head	HIW00118
Oahu	Waialae Nui Gulch	Waialae Beach Co. Park	HI997368
Oahu	Waialae Nui Gulch	Wailupe Beach Park	HI432476
Oahu	Waiawa Stream	Pearl Harbor-harbor waters and near shore waters to 30' from Keehi Lagoon to Oneula Beach	HIW00119
Oahu	Waiale Stream	Pearl Harbor-harbor waters and near shore waters to 30' from Keehi Lagoon to Oneula Beach	HIW00119

Island	HUC-12	Scope of Assessment	Geocode
Oahu	Waimanalo Gulch	Barbers Point Beach Co. Park	HI593573
Oahu	Waimanalo Gulch	Barbers Point Harbor	HIW00088
Oahu	Waimanalo Gulch	Campbell Industrial	HIW00187
Oahu	Waimanalo Gulch	Hawaiian Electric Beach Park	HI628972
Oahu	Waimanalo Gulch	Ihilani Honu Lagoon	HI815093
Oahu	Waimanalo Gulch	Ihilani Kohola Lagoon	HI515191
Oahu	Waimanalo Gulch	Ihilani Naia Lagoon	HI685981
Oahu	Waimanalo Gulch	Ihilani Ulua Lagoon	HI550240
Oahu	Waimanalo Gulch	Kahe Point Beach Co. Park	HI548986
Oahu	Waimanalo Gulch	Ko Olina	HIW00089
Oahu	Waimanalo Gulch	Manner's Beach	HI717740
Oahu	Waimanalo Stream	Bellows Field Beach Co. Park (N. Runway)	HI798011
Oahu	Waimanalo Stream	Bellows Field Beach Co. Park (Waimanalo Stream Mouth)	HIW00081
Oahu	Waimanalo Stream	Kaiona Beach	HI234342
Oahu	Waimanalo Stream	Kaupo Beach Co. Park	HI791127
Oahu	Waimanalo Stream	Makapuu Beach	HI723399
Oahu	Waimanalo Stream	Mikilua Beach Park	HIW00186
Oahu	Waimanalo Stream	Waimanalo Bay St. Rec. Area (Park)	HIW00008
Oahu	Waimanalo Stream	Waimanalo Bay Station (Waimanalo Beach Co. Park North)	HIW00175
Oahu	Waimanalo Stream	Waimanalo Beach Co. Park (South)	HIW00174
Oahu	Waimea River	Kapaeloa Beach	HI904851
Oahu	Waimea River	Waimea Bay	HIW00128
Oahu	Waolani Stream	Honolulu Harbor	HIW00100
Oahu	Waolani Stream	Honolulu Harbor & Shore Area-Honolulu Waterfront-Aloha Tower	HIW00061
Oahu	Waolani Stream	Honolulu Harbor-near shore waters to 30' from one mile NW of Honolulu Harbor/Sand Island Channel to Waikiki Beach	HIW00049
Oahu	Waolani Stream	Mamala Bay (Oceanic)	HIW00015
Oahu	Waolani Stream	Mamala Bay (Sand Island Offshore)	HIW00014
Oahu	Waolani Stream	Sand Island	HI714359
Oahu	Waolani Stream	Sand Island Point #3	HIW00181

Island	HUC-12	Scope of Assessment	Geocode
Molokai	Halawa Stream	Halawa Beach Park	HI928793
Molokai	Kakaako Gulch	Kawakiunui	HI114962
Molokai	Kakaako Gulch	Kepuhi Beach	HI287930
Molokai	Kakaako Gulch	Papohaku Beach	HI556777
Molokai	Kakaako Gulch	Pohaku Mauiuli Beach	HI268134
Molokai	Kakaako Gulch	Po'olau Beach	HI454004
Molokai	Kakaaauku Gulch	Kawa'aloa Bay	HI384043
Molokai	Kakaaauku Gulch	Mo'omomi Beach	HI204811
Molokai	Kaunakakai Gulch	Kaunakakai Boat Harbor	HIW00109
Molokai	Kaunakakai Gulch	Kaunakakai Harbor	HIW00110
Molokai	Kaunakakai Gulch	Kiowea Park (Kamehameha Coconut Grove)	HI206014
Molokai	Kaunakakai Gulch	Oneali'i Beach Park	HI904462
Molokai	Kaunala Gulch	Kamaka'ipo Beach	HI923737
Molokai	Kaunala Gulch	Kapukahehu Beach	HI941577
Molokai	Kaunala Gulch	Kaunala Beach	HI726225
Molokai	Kaunala Gulch	Kaupoa Beach	HI481092
Molokai	Kaunala Gulch	Lighthouse Beach	HI934213
Molokai	Kawela Gulch	Kakahai'a Beach Park	HI939514
Molokai	Mapulehu Stream	Puko'o	HI665969
Molokai	Oneohilo Gulch	Halena Beach	HI417163
Molokai	Oneohilo Gulch	Hale O Lono Harbor	HIW00090
Molokai	Oneohilo Gulch	Kahalepohaku Beach	HI191374
Molokai	Oneohilo Gulch	Kanalukaha Beach	HI559049
Molokai	Oneohilo Gulch	Kapukuwahine Beach	HI565164
Molokai	Oneohilo Gulch	Kolo Wharf	HI928768
Molokai	Oneohilo Gulch	South Molokai Coast-near shore waters to 18' from SW point-Waialua	HIW00052
Molokai	Waialua Stream-Honokoi Gulch	Fagans Beach	HI571680
Molokai	Waialua Stream-Honokoi Gulch	Honouli Malo'o	HI783671

Island	HUC-12	Scope of Assessment	Geocode
Molokai	Waialua Stream-Honokoi Gulch	Honouli Wai	HI376731
Molokai	Waialua Stream-Honokoi Gulch	Murphy Beach Park	HI138494
Molokai	Waialua Stream-Honokoi Gulch	Sandy Beach	HI329518
Molokai	Waihaanau Stream	Awahua Beach	HI702920
Molokai	Waihaanau Stream	Iiopi'i Beach	HI681345
Molokai	Waihaanau Stream	Papaloa Beach	HI301825
Molokai	Waikolu Stream-Pelekunu Stream	Pelekunu	HI443237
Molokai	Wailau Stream	Wailau	HI603285

Island	HUC-12	Scope of Assessment	Geocode
Lanai	Awehi Gulch	Awehi	HIW00134
Lanai	Awehi Gulch	Hulupoe Bay	HIW00177
Lanai	Awehi Gulch	Kahemano Beach	HI801428
Lanai	Awehi Gulch	Kawaiu Gulch-Makole Point	HIW00133
Lanai	Awehi Gulch	Lopa Beach	HI735036
Lanai	Awehi Gulch	Naha Beach	HI225961
Lanai	Honopu Gulch	Kaumalapau Harbor	HIW00108
Lanai	Kahua Gulch	Shipwreck Beach	HI362906
Lanai	Lapaiki Gulch	Polihua Beach	HI845453
Lanai	Lapaiki Gulch	Shipwreck Beach	HI362906
Lanai	Manele Bay	Kaluakoi Point to Huawai Bay	HIW00135
Lanai	Manele Bay	Kaunolu Bay	HI923988
Lanai	Manele Bay	Mahanalua	HIW00136
Lanai	Manele Bay	Manele Bay Beach	HIW00178
Lanai	Manele Bay	Manele Boat Harbor	HIW00179
Lanai	Manele Bay	Puu Pehe Beach	HIW00180
Lanai	Maunalei Gulch	Halepalaoa Beach	HI297944
Lanai	Maunalei Gulch	Keomuku Beach	HI854690

Island	HUC-12	Scope of Assessment	Geocode
Maui	Ahihi Bay	Ahihi-Kinau Natural Area Reserve	HIW00084
Maui	Ahihi Bay	Kalama Beach Co. Park (Cove Park)	HI705118
Maui	Ahihi Bay	Kalama Beach Station*	HIW00168
Maui	Ahihi Bay	Kamaole Beach 1	HI761092
Maui	Ahihi Bay	Kamaole Beach 2	HI097179
Maui	Ahihi Bay	Kamaole Beach 3	HI496115
Maui	Ahihi Bay	Keawakapu Beach	HI607763
Maui	Ahihi Bay	Kihei Coast-Cove Park*	HIW00167
Maui	Ahihi Bay	Kihei Coast-Estuary Boat Ramp	HIW00166
Maui	Ahihi Bay	Kihei Coast-Keawakapu*	HIW00074
Maui	Ahihi Bay	Kihei Coast-Maui Coast	HIW00073
Maui	Ahihi Bay	Kihei Coast-South Kamaole II	HIW00071
Maui	Ahihi Bay	Makena Landing Beach	HI245556
Maui	Ahihi Bay	Makena Landing-Maluaka Beach	HIW00142
Maui	Ahihi Bay	Malu'aka Beach	HI847607
Maui	Ahihi Bay	Mokapu Beach Park	HI861961
Maui	Ahihi Bay	Oneloa Beach (Big Beach) (Makena Beach Station)	HI279887
Maui	Ahihi Bay	Oneloa Beach (Big Beach)-Ahihi-Kinau	HIW00144
Maui	Ahihi Bay	Oneuli Beach	HI756040
Maui	Ahihi Bay	Palauea Beach Park	HI997014
Maui	Ahihi Bay	Polo Beach Park	HI339656
Maui	Ahihi Bay	Poolenalena Beach	HI684864
Maui	Ahihi Bay	Poolenalena-Makena Landing	HIW00143
Maui	Ahihi Bay	Pu'u ola'i (Small Beach)	HI157533
Maui	Ahihi Bay	Ulua Beach Park	HI588333
Maui	Ahihi Bay	Wailea Beach Park	HI278988
Maui	Hanawi Stream	Nahiku	HI983172
Maui	Hawelewele Gulch	Huakini Bay	HI385800
Maui	Heleleikeoha Stream	Kea'a Beach	HI593477

Island	HUC-12	Scope of Assessment	Geocode
Maui	Honokohau Stream	Fleming Beach North	HI253548
Maui	Honokohau Stream	Honokohau Bay	HI432902
Maui	Honokohau Stream	Honolua Bay	HI280286
Maui	Honokohau Stream	Mokule'ia Beach	HI977299
Maui	Honokohau Stream	Oneloa Bay Beach	HI740710
Maui	Honokohau Stream	Punalau	HI641109
Maui	Honokowai Stream	Alaeloa Beach	HI616569
Maui	Honokowai Stream	Honokeana Bay	HI229021
Maui	Honokowai Stream	Honokowai Beach Co. Park	HI412391
Maui	Honokowai Stream	Honokowai Point to Kaanapali	HIW00139
Maui	Honokowai Stream	Kahana (Mahinahina Condo Shoreline)	HI160433
Maui	Honokowai Stream	Kapalua (Fleming's) Beach	HI391006
Maui	Honokowai Stream	Keonenui Beach	HI199865
Maui	Honokowai Stream	Napili Bay	HI764060
Maui	Honokowai Stream	West Maui Coast-Hanakaena Cove	HIW00044
Maui	Honokowai Stream	West Maui Coast-Kahana Cove	HIW00045
Maui	Honokowai Stream	West Maui Coast-Kahana Sunset	HIW00075
Maui	Honokowai Stream	West Maui Coast-Kahana Village	HIW00076
Maui	Honokowai Stream	West Maui Coast-Kaopala Bay	HIW00046
Maui	Honokowai Stream	West Maui Coast-Lokelani	HIW00077
Maui	Honokowai Stream	West Maui Coast-Napili Bay	HIW00078
Maui	Honokohau Stream	West Maui Coast-near shore waters to 60' from Honolua - Lahaina	HIW00060
Maui	Honokowai Stream	West Maui Coast-near shore waters to 60' from Honolua - Lahaina	HIW00060
Maui	Honokowai Stream	West Maui Coast-S-Turns (Pohaku)	HIW00047
Maui	Honokowai Stream	West Maui-Honokowai Watershed	HIW00208
Maui	Honokowai Stream	West Maui-Kahana Watershed	HIW00207
Maui	Honomanu Stream	Honomanu Bay	HI985873
Maui	Honomanu Stream	Ke'anae	HI959746
Maui	Iao Stream	Hata's	HI553820

Island	HUC-12	Scope of Assessment	Geocode
Maui	Iao Stream	Kahului Bay	HIW00195
Maui	Iao Stream	Kahului Harbor	HIW00104
Maui	Iao Stream	Kahului Harbor (Bay)	HIW00105
Maui	Iao Stream	Kahului Harbor-inshore of breakwater	HIW00053
Maui	Iao Stream	Kanaha Beach	HI797225
Maui	Iao Stream	Waiehu Beach Co. Park	HI916183
Maui	Kahoma Stream	Hanaka'o'o Beach Co. Park	HI797917
Maui	Kahoma Stream	Hanaka'o'o Station*	HIW00165
Maui	Kahoma Stream	Honokowai Point to Kaanapali	HIW00139
Maui	Kahoma Stream	Kaanapali (Kahekili Beach)	HI643627
Maui	Kahoma Stream	Kaanapali (Sheraton Kaanapali Shoreline)	HIW00022
Maui	Kahoma Stream	Mala Wharf	HIW00171
Maui	Kahoma Stream	Mala Wharf Area	HIW00138
Maui	Kahoma Stream	Mala Wharf-West Maui Coast	HIW00123
Maui	Kahoma Stream	Pu'unoa Beach	HI373055
Maui	Kahoma Stream	Wahikuli State Wayside Park	HI169380
Maui	Kahoma Stream	West Maui Coast-near shore waters to 60' from Honolua - Lahaina	HIW00060
Maui	Kahoma Stream	West Maui-Wahikuli Watershed	HIW00209
Maui	Kailua Gulch	H.A. Baldwin Beach Co. Park	HI846900
Maui	Kailua Gulch	Lower Pa'ia (Pa'ia Outfall Station)	HI864937
Maui	Kailua Gulch	Spreckelsville	HI789952
Maui	Kalialinui Gulch	Kanaha Beach (Kaa Shoreline)	HIW00020
Maui	Kauaula Stream	Awalua Beach	HI839739
Maui	Kauaula Stream	Lahaina Beach	HI407363
Maui	Kauaula Stream	Lahaina Harbor	HIW00137
Maui	Kauaula Stream	Launiupoko St. Wayside Park	HI558359
Maui	Kauaula Stream	Olowalu (Shorefront)	HIW00021
Maui	Kauaula Stream	Puamana Beach Co. Park	HI167153
Maui	Kauaula Stream	West Maui-Papakea	HIW00079

Island	HUC-12	Scope of Assessment	Geocode
Maui	Kauaula Stream	West Maui-Puamana	HIW00080
Maui	Kauaula Stream	West Maui Coast-near shore waters to 60' from Honolua - Lahaina	HIW00060
Maui	Kaupo Gap	Nu'u Bay	HI176594
Maui	Kawaipapa Gulch	Hana Bay	HI996835
Maui	Kawaipapa Gulch	Kaihalulu Bay	HI432263
Maui	Kawaipapa Gulch	Koki Beach Park (VFW)	HI650469
Maui	Kawaipapa Gulch	Leho'ula Beach	HI884223
Maui	Kawaipapa Gulch	Wai'anapanapa State Park	HI118874
Maui	Kawaipapa Gulch	Waikoloa Beach	HI796679
Maui	Kuiaha Gulch	Kuiaha Bay	HI852861
Maui	Kulanihakoi Gulch	Hamoia	HI287670
Maui	Kulanihakoi Gulch	Kalama Beach Co. Park (Beach)	HIW00023
Maui	Kulanihakoi Gulch	Kalama Beach Station*	HIW00168
Maui	Kulanihakoi Gulch	Kalepolepo (Waimahaihai)	HIW00141
Maui	Kulanihakoi Gulch	Kalepolepo Beach	HI647373
Maui	Kulanihakoi Gulch	Kihei Coast-near shore waters to 60' from Kihei North-Kalama Beach	HIW00056
Maui	Kulanihakoi Gulch	Kihei Coast-Kalepolepo	HIW00039
Maui	Kulanihakoi Gulch	Kihei Coast-Kaonoulou Estuary	HIW00040
Maui	Kulanihakoi Gulch	Kihei Coast-Kulanihakoi	HIW00043
Maui	Kulanihakoi Gulch	Kihei Coast-Lipoa-South	HIW00072
Maui	Kulanihakoi Gulch	Kihei Coast-Luana Kai	HIW00041
Maui	Kulanihakoi Gulch	Waimaha'ihai Beach	HI236756
Maui	Kulanihakoi Gulch	Waipulani	HI284036
Maui	La Perouse Bay	Ahihi-Kinau Natural Area Reserve	HIW00084
Maui	La Perouse Bay	Kanaio Beach	HI404881
Maui	La Perouse Bay	La Perouse Bay	HI674004
Maui	Maliko Gulch	Father Jules Papa	HI525524
Maui	Maliko Gulch	Ho'okipa Beach Co. Park	HIW00024
Maui	Maliko Gulch	H-Poko Papa	HI901232

Island	HUC-12	Scope of Assessment	Geocode
Maui	Maliko Gulch	Ku'au Bay	HI276573
Maui	Maliko Gulch	Maliko Bay	HI423064
Maui	Maliko Gulch	Mantokuji Bay	HI482300
Maui	Palikea Stream	Mokulau	HI519980
Maui	Palikea Stream	Pepeiaolepo Bay	HI136430
Maui	Piinaau Stream	Ke'anae	HI959746
Maui	Ukumehame Gulch	Ka'ili'iili Beach	HI641844
Maui	Ukumehame Gulch	Olowalu (Teen Challenge)	HI491359
Maui	Ukumehame Gulch	Papalaua	HI462219
Maui	Ukumehame Gulch	Ukumehame Beach Co. Park	HI814309
Maui	Waiakoa Gulch	Kihei Coast-Kealia Pond	HIW00070
Maui	Waiakoa Gulch	Kihei Coast-Mokulele	HIW00042
Maui	Waiakoa Gulch	Mai Poina Oe Iau Beach Co. Park	HIW00025
Maui	Waiakoa Gulch	Mai Poina Oe Iau Beach Co. Park (Kihei N. Station)	HI715975
Maui	Waihee River	Waihee	HI343702
Maui	Waikapu Stream	Kapoli Beach Co. Park	HI599968
Maui	Waikapu Stream	Kihei Coast-Kealia Pond	HIW00070
Maui	Waikapu Stream	Ma'alaea Beach	HI058731
Maui	Waikapu Stream	Ma'alaea Boat Harbor Station*	HIW00082
Maui	Waikapu Stream	Ma'alaea Small Boat Harbor	HIW00140
Maui	Waikapu Stream	McGregor Point	HI227321
Maui	Waiohonu Stream	Maka'alae Point	HI978171

Island	HUC-12	Scope of Assessment	Geocode
Hawaii	Anaehoomalu Bay	Anaehoomalu Bay	HI326172
Hawaii	Anaehoomalu Bay	Waiulua Bay to Anaehoomalu Bay	HIW00148
Hawaii	Hakalau Stream	Hakalau Co. Park	HI138086
Hawaii	Hakalau Stream	Kolekole Beach Co. Park	HI693485
Hawaii	Hakalau Stream	Kulaimano	HIW00204
Hawaii	Hakalau Stream	Ohai'ula Beach	HI143737
Hawaii	Hapuna Bay	Hapuna Beach St. Rec. Area	HI621002
Hawaii	Hapuna Bay	Kauna'oa Beach	HI261869
Hawaii	Hapuna Bay	Waialea Bay	HI381812
Hawaii	Honokohau Bay	Honokohau Beach	HI315174
Hawaii	Honokohau Bay	Honokohau Boat Harbor	HIW00099
Hawaii	Honokohau Bay	Old Kona Airport St. Rec. Area	HI256093
Hawaii	Honokohau Bay	Pine Trees-Honokohau	HIW00146
Hawaii	Honolii Stream	Hilo Bay-inshore of breakwater and near shore waters from Wainaku to Paukaa	HIW00098
Hawaii	Honolii Stream	Hilo Bay (Offshore)	HIW00031
Hawaii	Honolii Stream	Honoli'i Beach Co. Park	HI857411
Hawaii	Honomalino Bay	Miloli'i Beach	HI470112
Hawaii	Honuapo Bay	Kawa Bay	HI535602
Hawaii	Honuapo Bay	Whittington Beach Co. Park	HI720900
Hawaii	Kahele	Halape Shelter	HI645539
Hawaii	Kahuwai Bay	Kahuwai Bay	HI990843
Hawaii	Kahuwai Bay	Kahuwai Bay-Mano Point	HIW00153
Hawaii	Kaimu Beach	Analani Pond (Puala'a)	HI707059
Hawaii	Kaimu Beach	Kalapana Beach (new) (Harry K. Brown Beach Co. Park)	HI542822
Hawaii	Kaimu Beach	Kapoho Bay	HI391407
Hawaii	Kaimu Beach	Kapoho Beach Lots	HIW00196
Hawaii	Kaimu Beach	Kapoho Tidepools (Vacationland)	HI122881
Hawaii	Kaimu Beach	Kehena	HI459942

Island	HUC-12	Scope of Assessment	Geocode
Hawaii	Kaimu Beach	Pohoiki Beach	HI316864
Hawaii	Kaloko Fishpond	2nd Beach (next to Mahaiula)	HI616452
Hawaii	Kaloko Fishpond	Keahole Point	HIW00203
Hawaii	Kaloko Fishpond	Makole'a Beach	HI223059
Hawaii	Kaloko Fishpond	Pine Trees	HI320616
Hawaii	Kaloko Fishpond	Pine Trees-Honokohau	HIW00146
Hawaii	Kaloko Fishpond	Wawaloli Beach	HI643938
Hawaii	Kaloko Fishpond	Wawaloli Beach-Pine Trees	HIW00147
Hawaii	Kapue Stream	Waipahi Point	HIW00205
Hawaii	Kauhako Bay	Ho'okena	HI152572
Hawaii	Kealakekua Bay	Kealakekua Bay	HIW00149
Hawaii	Kealakekua Bay	Kealakekua Bay (off Curio Stand)	HIW00183
Hawaii	Kealakekua Bay	Ke'e'i	HI858729
Hawaii	Kealakekua Bay	Manini Point Co. Park	HI379764
Hawaii	Keauhou Bay	Banyan's Surfing Area	HI713314
Hawaii	Keauhou Bay	Kahalu'u Beach Co. Park	HI013290
Hawaii	Keauhou Bay	Kamoa Point	HI602472
Hawaii	Keauhou Bay	Keauhou Bay (Kona)	HI713293
Hawaii	Keauhou Bay	Paaao Point to Keawekeheka Point	HIW00145
Hawaii	Keauhou Bay	Pahoehoe Beach Co. Park	HI935352
Hawaii	Keauhou Bay	White Sands Beach Co. Park (Magic Sands)	HI436267
Hawaii	Keawaiki Bay	Keawaiki	HI929053
Hawaii	Keawaiki Bay	Pueo Bay	HI930479
Hawaii	Keawaiki Bay	Waiulua Bay to Anaehoomalu Bay	HIW00148
Hawaii	Kehena Ditch	Keokea Beach Co. Park	HI784200
Hawaii	Kiilae Watercourse	Honaunau Bay	HIW00176
Hawaii	Kiilae Watercourse	Honaunau Bay (2 Step)	HI246645
Hawaii	Kiilae Watercourse	Kealia Beach	HI514168

Island	HUC-12	Scope of Assessment	Geocode
Hawaii	Kiilae Watercourse	Keone'ele Cove	HI559410
Hawaii	Kiilae Watercourse	Pu'u'honua o Honaunau	HI478461
Hawaii	Mahana Bay	Ka Lae (South Point)	HI107517
Hawaii	Makeahua Gulch	Kawaihae Harbor	HI978783
Hawaii	Makeahua Gulch	Kawaihae Harbor/Pelekane Bay	HIW00155
Hawaii	Makeahua Gulch	Pelekane Bay	HI738158
Hawaii	Manuka Bay	Kapu'a Bay	HIW00067
Hawaii	Ninole Gulch	Ninole	HI124561
Hawaii	Ninole Gulch	Punalu'u	HI224651
Hawaii	Opaeha Pond	Kahoiawa Bay	HIW00150
Hawaii	Opaeha Pond	Kahoiawa Bay-Makalawena	HIW00151
Hawaii	Opaeha Pond	Kakapa Bay	HIW00152
Hawaii	Opaeha Pond	Ka'upulehu	HI770607
Hawaii	Opaeha Pond	Kuki'o Bay	HIW00154
Hawaii	Opaeha Pond	Mahai'ula Bay	HI694255
Hawaii	Opaeha Pond	Makalawena	HI901744
Hawaii	Opaeha Pond	Manini'owali	HI720408
Hawaii	Pauoa Bay	Holoholokai	HI852331
Hawaii	Pauoa Bay	Mauna Lani (Kalahuihua'a)	HI890924
Hawaii	Pohakupuka Stream	Laupahoehoe Beach Co. Park	HI380623
Hawaii	Pohue Bay	Road to the Sea	HI849236
Hawaii	Pololu Stream	Pololu Valley	HI183806
Hawaii	Puakea Reservoir	Kaunalihi Point-Kapaa Beach Park	HIW00201
Hawaii	Puakea Reservoir	Kaunalihi Point-Kapaa Beach Park (Oceanic)	HIW00202
Hawaii	Puakea Reservoir	Lapakahi St. Hist. Park	HI490010
Hawaii	Puakea Reservoir	Mahukona Beach Co. Park	HI273526
Hawaii	Puakea Reservoir	Mahukona Harbor	HIW00197
Hawaii	Puakea Reservoir	Mahukona Harbor (Oceanic)	HIW00198

Island	HUC-12	Scope of Assessment	Geocode
Hawaii	Puakea Reservoir	Makaohule Point-Kauilii Point	HIW00199
Hawaii	Puakea Reservoir	Makaohule Point-Kauilii Point (Oceanic)	HIW00200
Hawaii	Puako Bay	Puako	HI668132
Hawaii	Puako Bay	Puako Bay	HIW00033
Hawaii	Puumakaala	Papa'i (King's Landing)	HI112071
Hawaii	Waiaha Stream	Kailua Bay	HI753566
Hawaii	Waiaha Stream	Kamakaokahonu	HIW00032
Hawaii	Waiaha Stream	Kamakaokahonu (Kailua Pier A-1)	HI261474
Hawaii	Waiakea Stream	Hilo Bay (Boat Landing)	HIW00027
Hawaii	Waiakea Stream	Hilo Bay (Canoe Beach)	HI315019
Hawaii	Waiakea Stream	Hilo Bay (Coconut Isle)	HI977673
Hawaii	Waiakea Stream	Hilo Bay (Exit of Ice Pond)	HI659453
Hawaii	Waiakea Stream	Hilo Bay (Lighthouse)	HIW00028
Hawaii	Waiakea Stream	Hilo Bay (Offshore)	HIW00031
Hawaii	Waiakea Stream	James Kealoha Park	HI670254
Hawaii	Waiakea Stream	Keaukaha Beach Park	HI849313
Hawaii	Waiakea Stream	Lehia Beach	HI691720
Hawaii	Waiakea Stream	Leleiwi Beach Co. Park	HI540868
Hawaii	Waiakea Stream	Leleiwi Beach Co. Park (Richardson Ocean Center)	HIW00030
Hawaii	Waiakea Stream	Onekahakaha Beach Co. Park	HI862286
Hawaii	Waiakea Stream	Onekahakaha Beach Co. Park (Puhi Bay #3)	HIW00029
Hawaii	Waiakea Stream	Puhi Bay	HIW00206
Hawaii	Waiakea Stream	Radio Bay	HI425303
Hawaii	Waiakea Stream	Wailoa River (Boat Ramp)	HIW00172
Hawaii	Wailuku River	Hilo Bay (Offshore)	HIW00031
Hawaii	Waipio Stream	Waipi'o Bay	HI534434
Hawaii	Waiulaula Gulch	Kaluhika'a Beach	HI327989
Hawaii	Waiulaula Gulch	Kawaihae Harbor/Pelekane Bay	HIW00155

Island	HUC-12	Scope of Assessment	Geocode
Hawaii	Waiulaula Gulch	Mau'umae Beach	HI120357
Hawaii	Waiulaula Gulch	Spencer Beach Co. Park	HI936372
Hawaii	Waiulaula Gulch	Waiulaula	HI934020

APPENDIX B

Data Sources

City and County of Honolulu (CCH)

The CCH collects bacterial, nutrient and biogeochemical (turbidity, TSS and chlorophyll *a*) samples from shoreline, near shore, and offshore locations as part of their NPDES permit requirements for wastewater treatment plants (WWTP). Water quality data from control stations in receiving water bodies are assessed for the 2014 IR. The WWTPs are located in Waianae, Honouliuli, Sand Island, and Kailua (Mokapu).

Clean Water Branch (CWB)

The CWB collects shoreline bacterial, nutrient and biogeochemical (turbidity, TSS, chlorophyll *a*) samples as part of EPA's BEACH program. Other funding sources will have to be identified in the future, as the BEACH funding is slated to be discontinued in FY2015. The CWB monitoring and analysis section QA/QC is governed by the CWB Beach Monitoring and Coastal Chemistry Monitoring QAPP.

Discharge Monitoring Reports (DMRs)

NPDES permitted facilities throughout the State (e.g. Sunrise Capital, Port Allen Generating Station, Chevron Hawaii Refinery, East Honolulu WWTP, Fort Kamehameha WWTP, Hilo WWTP and Keahole Point Fish) are required to monitor and submit bacterial, nutrient and biogeochemical (turbidity and chlorophyll *a*) data via DMRs. Water quality data from control stations in receiving water bodies are assessed for the 2014 IR. DMRs help provide additional water quality information to the monitoring and analysis program to ensure that Hawaii's water resources are protected and restored.

Environmental Assessment Company (EAC)

EAC is a private research company headed by Richard Brock, PhD. EAC collects nutrient and biogeochemical (turbidity and chlorophyll *a*) samples for the south-southeastern coast of Lanai, and the western Kona coast of Hawaii. All data follow a prepared methodology and comply with the West Hawaii Coastal Monitoring Program Monitoring Protocol Guidelines (1992). Laboratory analysis follows Standard Methods (1999).

Marine Research Consultants (MRC)

MRC is a private research company headed by Steve Dollar, PhD. MRC collects nutrient and biogeochemical (turbidity and chlorophyll *a*) samples for Haseko (Ewa), Inc. and Makena Resort Corporation to characterize coastal water quality (according to HAR §11-54-6), for Ocean Pointe (formerly the Ewa Marina) on Oahu and Makena Resort on Maui. All data follow a prepared sampling methodology and documented analysis methodology (Strickland and Parsons 1968, Grasshoff 1983), and utilize EPA rated laboratories (Marine Analytical Specialists).

Natural Energy Laboratory of Hawaii Authority (NELHA)

NELHA is a state funded facility that provides the CWB with nutrient and biogeochemical (turbidity and chlorophyll *a*) data via their Annual Comprehensive Environmental Monitoring Report. The monitoring efforts fulfill regulatory requirements to ensure the protection of

Keahole Point's environmental resources. NEHLA has implemented the standard sampling procedure and analytical protocol of the August 31, 2004, HAR Ch. 11-54 for its quarterly ocean transect sampling program. The NELHA Water Quality Laboratory follows Standard Methods for the Examination of Water and Wastewater 20th Edition (Clesceri et al 1998) and EPA test methods for its analytical procedures.

The Surfrider Foundation

The Surfrider Foundation, Kauai Chapter, collects bacterial, nutrient and biogeochemical (turbidity, TSS and chlorophyll *a*) samples at several of the northern Kauai stations as part of a cooperative agreement with the HDOH CWB. Data are collected in compliance with the CWB Beach Monitoring and Coastal Chemistry Monitoring QAPP.

APPENDIX C

Table 10. 2014 new impairment listings (303(d)) for marine waters.

Island	Scope of Assessment	Geocode ID	Enterococci	TN	NO ₃ + NO ₂	NH ₄	TP	Turbidity	Chl <i>a</i>	Other Pollutants
Kauai	Anahola Beach	HI823433	A	?	?	?	?	<u>N</u>	?	
Kauai	Beach House Beach	HI156238	A	?	?	?	?	<u>N</u>	?	
Kauai	Brennecke Beach	HI166521	A	?	?	?	?	<u>N</u>	?	
Kauai	Kapa'a Beach Co. Park	HI972832	A	?	?	?	?	<u>N</u>	?	
Kauai	Kee Beach	HI124511	A	?	?	?	?	<u>N</u>	?	
Kauai	Kekaha Beach Co. Park	HI530569	A	?	?	?	?	<u>N</u>	?	
Kauai	Lydgate Park	HI798758	A	?	?	?	?	<u>N</u>	?	
Kauai	Nukoli Beach Park	HI502794	A	?	?	?	?	<u>N</u>	?	
Kauai	Pacific Missile Range Facility/Barking Sands	HI176480	A	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	
Kauai	Po'ipu Beach Co. Park	HI396850	A	?	?	?	?	<u>N</u>	?	
Kauai	Polihale State Park	HI247403	A	?	?	?	?	<u>N</u>	?	
Kauai	Sheraton Beach	HI542569	A	?	?	?	?	<u>N</u>	?	
Kauai	Wailua (Wailua River Station)	HI606168	A	?	?	?	?	<u>N</u>	?	
Oahu	Campbell Industrial	HIW00187	?	A	A	A	A	<u>N</u>	A	
Oahu	Chun's Reef	HI950962	A	?	?	?	?	<u>N</u>	?	
Oahu	Magic Island	HI529142	A	?	?	?	?	<u>N</u>	?	
Oahu	Makapuu Beach	HI723399	A	?	?	?	?	<u>N</u>	?	
Oahu	Malaekahana State Park	HI137325	A	?	?	?	?	<u>N</u>	?	
Oahu	<i>Ocean Pointe KA</i>	<i>HIW00210</i>	<u>?</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	<u>N</u>	

Prior assessments confirmed with new data are shaded; category changes are bolded, italicized, underlined & shaded.

Island	Scope of Assessment	Geocode ID	Enterococci	TN	NO ₃ + NO ₂	NH ₃	TP	Turbidity	Chl <i>a</i>	Other Pollutants
Oahu	<i>Ocean Pointe PR</i>	<i>HIW00211</i>	<i>?</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>A</i>	<i>N</i>	<i>A</i>	
Oahu	Waimea Bay	HIW00128	A	?	?	?	?	<u>N</u>	?	
Oahu	White Plains Beach	HI267023	A	?	?	?	?	<u>N</u>	?	
Maui	Waiehu Beach Co. Park	HI916183	A	?	?	?	?	<u>N</u>	?	
Hawaii	2nd Beach (next to Mahaiula)	HI616452	A	?	?	?	?	<u>N</u>	?	
Hawaii	Anaehoomalu Bay	HI326172	A	?	?	?	?	<u>N</u>	?	
Hawaii	Analani Pond (Puala'a)	HI707059	<u>N</u>	?	?	?	?	<u>N</u>	?	
Hawaii	Hilo Bay (Coconut Isle)	HI977673	A	?	?	?	?	<u>N</u>	?	
Hawaii	Holoholokai	HI852331	A	?	?	?	?	<u>N</u>	?	
Hawaii	Honaunau Bay (2 Step)	HI246645	A	?	?	?	?	<u>N</u>	?	
Hawaii	Ho'okena	HI152572	A	?	?	?	?	<u>N</u>	?	
Hawaii	Kahalu'u Beach Co. Park	HI013290	A	?	?	?	?	<u>N</u>	?	
Hawaii	Kailua Bay	HI753566	A	?	?	?	?	<u>N</u>	?	
Hawaii	Kamakaokahonu	HIW00032	A	?	?	?	?	<u>N</u>	?	
Hawaii	Kauna'oa Beach	HI261869	A	?	?	?	?	<u>N</u>	?	
Hawaii	Kawaihae Harbor	HI978783	A	?	?	?	?	<u>N</u>	?	
Hawaii	Keauhou Bay (Kona)	HI713293	A	?	?	?	?	<u>N</u>	?	
Hawaii	Mauna Lani (Kalahuihua'a)	HI890924	A	?	?	?	?	<u>N</u>	?	
Hawaii	Miloli'i Beach	HI470112	A	?	?	?	?	<u>N</u>	?	
Hawaii	Onekahakaha Beach Co. Park	HI862286	A	?	?	?	?	<u>N</u>	?	
Hawaii	Pohoiki Beach	HI316864	A	?	?	?	?	<u>N</u>	?	
Hawaii	Puako	HI668132	A	?	?	?	?	<u>N</u>	?	
Hawaii	Puhi Bay	HIW00206	<u>A</u>	A	<u>N</u>	A	A	A	A	
Hawaii	Wawaloli Beach	HI643938	A	?	?	?	?	<u>N</u>	?	

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REFERENCES

Clesceri, L.S., Greenberg, A.E., Eaton, A.D. 1998. *Standard Methods for the Examination of Water and Wastewater 20th Edition*. American Public Health Association, American Water Works Association, Water Environment Federation, Washington D.C. United Book Press, Inc., Baltimore, MD.

Grasshoff, K. 1983. *Methods of seawater analysis*. Verlag Chemie, Weinheim, 419 pp.

Standard Methods. 1999. *Standard Methods for the Examination of Water and Wastewater 20th Edition*. American Public Health Association, Washington, D.C. Port City Press, Baltimore, MD. 1325pp.

Strickland J. D. H. and T. R. Parsons. 1968. *A practical handbook of sea water analysis*. Fisheries Research Board of Canada, Bull. 167. 311 pp.

U.S. EPA Watershed Branch. 2005. *Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act*.

West Hawaii Coastal Monitoring Task Force. 1992. *West Hawaii Coastal Monitoring Program Monitoring Protocol Guidelines*. 30pp.