

# 2020 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  
**Final**  
May 29, 2020

# Table of Contents

List of Figures and Tables.....	iv
List of Acronyms .....	v
EXECUTIVE SUMMARY .....	ES1
CHAPTER 1: SCOPE OF THE INTEGRATED REPORT .....	1
PART A. Introduction.....	2
PART B. Background .....	3
B.1. Scope of Waters in the Integrated Report .....	3
B.2. Surface Water Pollution Control Programs.....	3
B.2.1. Hawaii Water Quality Standards.....	3
B.2.2. Point Source Pollution Control .....	4
B.2.3. Water Quality Certification.....	4
B.2.4. Non-Point Source Pollution Control .....	4
B.2.5. Total Maximum Daily Load Process .....	5
B.3. Special State Concerns and Recommendations .....	5
B.4. Future Monitoring Recommendations .....	5
PART C. Surface Water Monitoring and Assessment Overview .....	6
C.1 Surface Water Monitoring and Assessment.....	6
C.2. Data Sources.....	6
C.2.1. Quality Assurance/Quality Control.....	6
C.2.2. Laboratory Analytical Support.....	6
C.2.3. Data Storage, Management, and Sharing .....	6
C.3 Assessment Units .....	7
C.4 Assessment Methodology .....	7
CHAPTER 2: MARINE WATERS .....	12
PART A. Scope of Waters .....	13
A.1. Assessment Units .....	13
PART B. Assessment Methodology .....	13
B.1. Recreational Health Assessment.....	13
B.2. Ecosystem Health Assessment.....	14
B.3. Water Body ID ( <i>Formerly</i> Geocode ID).....	15
PART C. Results.....	15
C.1. Marine Water Body Assessment Results .....	15
C.2. Watershed Assessment Results .....	17
C.3. Assessment Results Summary.....	19
CHAPTER 3: INLAND WATERS .....	39
PART A. Scope of Waters .....	40
A.1. Assessment Unit.....	40
A.1.1. Tiered Approach .....	41
A.1.2. Assessment Unit Rationale and Implementation .....	41
A.1.3. Application of Criteria to Attainment Decisions .....	41
PART B. Assessment Methodology .....	42
B.1. Recreational Health and Ecosystem Health Assessment .....	42
B.2. Public Health Issues .....	42
B.3. Water Body ID .....	43

PART C. Results.....	43
C.1. Inland Waters Assessment Results.....	43
REFERENCES .....	45
APPENDIX A: Data Sources.....	A-1
APPENDIX B: §305(b) Assessment of State Waters.....	B-1
APPENDIX C: §303(d) List of Impaired Waters .....	C-1

## List of Figures and Tables

Figure 1. Flow chart of the listing/delisting process for enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, PO <sub>4</sub> , turbidity, TSS and chlorophyll <i>a</i> .....	9
Table 1. Enterococci recreational WQS attainment/non-attainment based on frequency and GM .....	14
Table 2. Applicable water body type and WQS for marine water bodies .....	15
Table 3. Assessed Marine Water Bodies by Island in 2020 IR Cycle vs 2018 IR Cycle.....	16
Table 4. Pollutant Listing and Delisting in the 2020 IR Cycle vs 2018 IR Cycle .....	16
Table 5. Assessed marine water body attainment and non-attainment of WQS summarized by island.....	17
Table 6. Assessed Watershed AUs by Island for 2020 and 2018 IR.....	18
Table 7. Assessed Watershed Attainment and non-attainment of WQS summarized by island ..	18
Table 8. Kauai Marine Category Changes .....	20
Table 9: Oahu Marine Category Changes.....	21
Table 10: Maui Marine Category Changes .....	27
Table 11: Lanai Marine Category Changes .....	35
Table 12: Hawaii Marine Category Changes.....	36
Table 13. Applicable water quality criteria and decision unit boundaries for inland water bodies .....	40
Table 14. Applicable water body type and WQS for inland water bodies .....	42
Table 15. Assessed Inland Water Bodies in the 2020 vs 2018 IR Cycles .....	44
Table 16. List of New Inland Pollutant Listings and Delistings for 2020 vs 2018 IR Cycles.....	44

## List of Acronyms

§	Section
AU	Assessment Unit
BEACH	Beaches Environmental Assessment and Coastal Health
CBD	Center for Biological Diversity
CCH	City and County of Honolulu
CFU	Colony Forming Units
Ch.	Chapter
CWA	Clean Water Act
CWB	Clean Water Branch
CWRM	Commission on Water Resource Management
DLNR	Department of Land and Natural Resources
DMR	Discharge Monitoring Report
DOFAW	Division of Forestry and Wildlife
EAC	Environmental Assessment Company
EHASB	Environmental Health Analytical Services Branch
EMD	Environmental Management Division
EPA	United States Environmental Protection Agency
GM	Geometric Mean
GPS	Global Positioning System
HAR	Hawaii Administrative Rules
HIDOH	Hawaii Department of Health
IR	Integrated Report
MCS	Microbiology Consulting Services, LLC
MRC	Marine Research Consultants, Inc
NELHA	Natural Energy Laboratory of Hawaii Authority
NH <sub>4</sub>	Ammonium-Nitrogen
NO <sub>3</sub> +NO <sub>2</sub>	Nitrate + Nitrite - Nitrogen
NPDES	National Pollutant Discharge Elimination System
PacIOOS	Pacific Islands Ocean Observing System
PO <sub>4</sub>	Orthophosphate
QAPP	Quality Assurance Project Plan
QAPrgP	Quality Assurance Program Plan
QA/QC	Quality Assurance/Quality Control
QMP	Quality Management Plan
SLD	State Laboratories Division
STORET	STorage and RETrieval
TDP	Total Dissolved Phosphorus
TDN	Total Dissolved Nitrogen
TMDL	Total Maximum Daily Loads
TN	Total Nitrogen
TP	Total Phosphorus
TSS	Total Suspended Solids
UHM	University of Hawaii at Manoa
USACE	United States Army Corps of Engineers
WQC	Water Quality Certification

**WQS** Water Quality Standards  
**WRRC** Water Resources Research Center  
**WWTP** Wastewater Treatment Plant

## EXECUTIVE SUMMARY

The Hawaii State Department of Health (HIDOH) is obligated 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 applicable water quality standards (WQS), 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. The 2020 State of Hawaii Water Quality Monitoring and Assessment Report, known as the Integrated Report (IR), has been prepared to meet the requirements for CWA §303(d) and §305(b).

The IR informs the public on the status of marine and inland water bodies and serves as a planning document to guide other CWA programs. The 2020 IR incorporates data collected from November 1, 2017 to October 31, 2019 to provide an updated snapshot of water body conditions throughout the State, and carries over the assessment results from previous IRs. Waters that do not meet State WQS may be targeted for further monitoring activities to develop TMDLs, to plan and evaluate CWA §319 nonpoint source pollution control projects, and set requirements for National Pollutant Discharge Elimination System (NPDES) permits and §401 Water Quality Certifications (WQC). The IR not only identifies areas in need of restoration, but serves as a baseline to validate the State's efforts to improve water quality and eventually delist impaired waters that have been rehabilitated.

The 2020 Integrated Report follows a standardized assessment methodology for marine and inland waters that evaluates whether the assessment units (AUs) meet the WQS for recreational use and for the support of aquatic life. Marine water bodies that are selected for assessment include coastal waters and embayments. Inland water bodies that are used for assessment include streams, lakes, wetlands, and estuaries. The assessment units that have been used historically consist primarily of points, stretches of beachline, and stream segments. These are the same assessment units that are used to evaluate waters within the State during the 2020 IR.

New assessment units are in the process of being created to allow for a more holistic view of State waters. The new assessment units will be primarily based upon the watersheds established by the State of Hawaii Commission on Water Resource Management (CWRM) and will provide a more uniform geographical reference for the IR scopes of assessment. For assessment of marine waters located along the coastline, the 2020 IR uses previously established Clean Water Branch (CWB) AUs from the 2016 IR and includes CWB watershed AUs for Hawaii Island not included in previous IRs. This will be consistent with the collaborative framework for implementing the Clean Water Act Section 303(d) Program--*A Long-Term Vision for Assessment, Restoration and Protection under the Clean Water Act Section 303(d) Program* (Vision), announced in December 2013.

The main pollutants assessed in this report include fecal indicator bacteria, turbidity, chlorophyll *a*, nutrients (total nitrogen, nitrate+nitrite-nitrogen, ammonium-nitrogen, total phosphorus), and

where applicable, total dissolved nitrogen, total dissolved phosphorus, total suspended solids, and orthophosphate (Hawaii Administrative Rules Chapter 11-54-6(d)), when there are sufficient data and information for these pollutants.

Last assessment period, 108 of the 559 marine water bodies (19%) were assessed. This cycle, 150 of the 563 marine water bodies (27%) were assessed. For this assessment cycle, approximately 14 out of 82 (17%) of marine water bodies on Kauai, 69 out of 191 (36%) of marine water bodies on Oahu, 1 out of 17 (6%) of marine water bodies on Lanai, 44 out of 129 (34%) of marine water bodies on Maui, and 22 out of 108 (19%) of marine water bodies on Hawaii Island were assessed. Assessment results show that of the 150 marine water bodies assessed, 140 (93%) do not attain water quality standards for at least one or more conventional pollutants. Turbidity was the leading cause of impairment for marine waters with 132 out of 140 (94%) of assessed waters failing to meet the criteria. This trend is similar to what was observed in previous IRs, and HDOH believes this may be due to polluted runoff entering nearshore waters. Nutrients are the second leading cause of water quality exceedances, with 55 out of 73 (75%) of the marine assessments failing to meet water quality standards for one or more nutrients. This is followed by chlorophyll *a*, with 19 out of 43 (44%) of marine assessments failing to meet water quality standards. The enterococci water quality standard was met in all 91 (100%) of the assessed marine waters.

The assessment resulted in 137 new waterbody/pollutant combination listings. This is 954% up compared to new listings from last cycle. There were also 26 waterbody/pollutant combination delistings for marine waters, which is 18% up compared to new delistings from last cycle. The majority of new listings and delistings are on Oahu and Maui. Turbidity was the pollutant most frequently listed during this IR cycle, which is consistent with previous IR reports.

Marine waters within the larger CWB watershed AUs are also assessed in this cycle. Of the 532 CWB watershed AUs, a total of 70 (13%) were assessed in this IR cycle. Thirty-eight (38) CWB watershed AUs were assessed for nutrients of which 34 (89%) did not meet at least one of the water quality standards for nutrients. 67 out of 68 (99%) of the CWB watershed AUs assessed for turbidity failed to meet the requisite WQS. Chlorophyll *a* was not attained in 17 of the 32 (53%) assessed CWB watershed AUs. The water quality standard for enterococci was met in all 51 (100%) of the assessed CWB watershed AUs.

Two inland waters are assessed in the 2020 Integrated Report. Waioli Stream on Kauai continues to exceed dry season water quality standards for turbidity and enterococci. Waipa estuary on Kauai continues to not meet water quality standards for turbidity and enterococci.



## **CHAPTER 1: SCOPE OF THE INTEGRATED REPORT**

## PART A. Introduction

The purpose of the Integrated Report (IR) is to inform the public of the overall status of surface water quality statewide, describing 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. This report has been prepared to fulfill the requirements for State reporting pursuant to Clean Water Act (CWA) Sections 303(d) and 305(b), which require 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)). This document describes the methodology, datasets, and results used to develop the 2020 IR. The report is intended to guide future management actions for state waters, provide data for long term trend assessment, and document water quality improvements across the state.

The 2020 IR provides water quality assessment results for both marine and inland waters. The marine and inland assessment results are reported by assessment units where possible, and/or by individual sampling locations. The State is currently in the process of establishing assessment units for all state waters so that a more holistic assessment can be performed. Some data has been placed into watershed assessment units, while other data is still assessed by individual assessment units (e.g. off-shore sampling locations) where watershed assessment units have not yet been established.

The assessment period covers a two-year time frame (November 2017 - October 2019), beginning where the 2018 IR assessment cycle ended (October 2017). As part of the IR process, the Hawaii Department of Health (HIDOH) solicited and requested the public via the HIDOH Clean Water Branch (CWB) website and local newspapers to provide new water quality data in June 2019 and the solicitation period closed on November 1, 2019

An attempt was made to avoid technical jargon and unnecessary abbreviations, but a few remain due to the technical and regulatory requirements necessary for the report. Acronyms are listed in a table at the beginning of this report and where they first appear in text of the document. In addition, terms used in the report are also defined where they first appear in the text of the document.

## PART B. Background

### B.1. Scope of Waters in the Integrated Report

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. The State's economy is largely dependent on the quality of its shorelines and beaches, which provide opportunities for year-round recreational activities.

### B.2. Surface Water Pollution Control Programs

The HDOH, Clean Water Branch is the state agency responsible for protecting and restoring surface water resources for human and environmental health. The CWB's mission is to protect the public health of residents and tourists who recreate in and on Hawaii's coastal and inland water resources, as well as to protect and restore coastal and inland waters for aquatic life and wildlife.

The CWB implements surface water pollution control programs delegated from the United States Environmental Protection Agency (EPA) in support of the Clean Water Act and the State's goals to protect and restore surface waters to fishable and swimmable standards for the purpose of protecting human and environmental health. The components addressed within the CWB include Water Quality Standards (WQS), Enforcement and Compliance, National Pollutant Discharge Elimination System (NPDES) permits, Water Quality Certifications (WQC), surface water quality monitoring and assessment, Total Maximum Daily Loads (TMDLs), and Polluted Runoff Control (PRC). These programs are intended to work in concert to ensure that Hawaii's surface water resources are protected and restored. In addition, the HDOH also includes the Safe Drinking Water Branch, which monitors and protects drinking water resources, and the Wastewater Branch, which administers engineering functions related to water pollution control and wastewater systems and treatment.

The State's objectives with regards to surface waters include 1) using an integrated approach to assess state water quality, and 2) addressing sources of water pollution through permits, TMDLs, and watershed-based plans. More information on the responsibilities and organizational structure of the CWB can be found in the HDOH CWB Quality Assurance Program Plan.

#### B.2.1. Hawaii Water Quality Standards

Hawaii's Water Quality Standards form a legal basis for controlling pollution entering waters within the State, and are described in Hawaii Administrative Rules (HAR), Title 11, Chapter (Ch.) 54, hereafter known as water quality standards (WQS). Water quality standards are regulations that include classification of water bodies (e.g., embayment, open coastal, flowing stream, etc.), identification of the designated uses, water quality criteria necessary to protect the designated uses, and a general policy of water quality antidegradation for all water types.

The WQS categorize the State's surface waters 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 183 meter or 600-foot depth contour and within the 3 nautical mile boundary). The specific numeric water quality criteria applicable to streams, estuaries, embayments, coastal, and oceanic waters form the basis for determining whether a waterbody is meeting its intended uses.

The WQS play a central role in the successful implementation of Hawaii's surface water pollution control programs. To evaluate the need for revising or adding to State standards, the CWB is required by the CWA to conduct a comprehensive review of the state water quality standards on a triennial basis. The review process allows the State to determine whether its water quality standards are sufficient to maintain the designated uses for each identified water body type. The last triennial review was completed in 2019.

### B.2.2. Point Source Pollution Control

The CWB has been authorized to administer the state NPDES program for point source discharges to waters of the United States. The discharge permits are prepared in compliance with the CWA Section 402 and with Hawaii Administrative Rules Title 11, Chapters 54 and 55, and are designed to protect the quality of surface water within the State. These permits authorize the discharge of substances at concentrations that meet either technology or water quality based effluent limits, whichever is more stringent.

Under the NPDES program, the CWB regulates discharges of pollutants from point sources, such as wastewater treatment plants, municipal separate storm sewer systems, and industrial dischargers. The issuance of permits and the enforcement of permit conditions aids in the protection of the quality of waters within the State. In areas where a TMDL has been established, the permit conditions may be more stringent than the established water quality standards, aiding in the improvement of water quality.

### B.2.3. Water Quality Certification

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

### B.2.4. Non-Point Source Pollution Control

Nonpoint sources of pollution in the State primarily consist of cesspools, agricultural land use, urban land use, and feral ungulate destruction and soil erosion in conservation lands. Cesspools discharge untreated human waste directly into the ground, where it can contaminate groundwater and subsequently surface waters by releasing nutrients and disease-causing bacteria and viruses. In agricultural areas, fertilizers, herbicides, pesticides, and soil erosion can lead to polluted runoff problems. In urban areas, roads, buildings, and parking lots often prevent rainwater from soaking into the ground, which increases the volume of water runoff, increases erosion, and washes pollutants through storm drains into streams and the ocean. On conservation lands, feral ungulates disturb soil and destroy and uproot vegetation, resulting in soil erosion and sediment runoff.

DOH is in the process of developing a formal nonpoint source regulatory program. The CWB currently addresses nonpoint source pollution through the Polluted Runoff Control (PRC) Program, which administers grant money it receives from the EPA to address polluted runoff. The PRC Program focuses its nonpoint source control projects in a few priority watersheds (He'eia, Hanalei, and West Maui). Priority watersheds may change at a later date. PRC also implements projects to reduce and prevent nonpoint source pollution in other watersheds that have watershed-based plans. Significantly more resources are needed to adequately control all nonpoint source pollution within the State.

#### B.2.5. Total Maximum Daily Load Process

The TMDL process serves as a roadmap for water body restoration by focusing on improving water quality in impaired surface waters that have been included in the §303(d) list. A TMDL report determines the amount of each pollutant that the impaired water body can assimilate and still meet water quality standards and assigns load allocations to all identified point sources and non-point sources for each pollutant.

A TMDL for the Waikele watershed was completed in February of 2019. The CWB is looking at various other sites for potential TMDLs. Currently, there are sampling efforts underway in the Ka'elepulu watershed. See Appendix C for a revised set of priority water bodies for potential TMDLs. These water bodies and consequent watersheds may differ from the PRC priority watersheds. The CWB will work to maximize TMDL development efforts and leverage resources by collaborating internally, especially with the PRC program, on TMDL implementation, watershed improvement plans, and other watershed restoration projects.

#### B.3. Special State Concerns and Recommendations

A new framework for implementing the CWA Section 303(d) Program, titled *A Long-Term Vision for Assessment, Restoration, and Protection under the Clean Water Act Section 303(d) Program* (Vision), was announced by the EPA in December 2013. The new program vision is intended to enhance the overall efficiency of the CWA Section 303(d) Program by bringing attention to priority waters and acknowledging that states have other available options besides TMDLs to attain water quality restoration and protection (EPA 2015). While the vision does not alter the State's CWA §303(d) regulatory obligations, it allows the states the flexibility to implement its responsibilities in the context of the State's overall water quality goals. The CWB is considering the vision approach in parallel with any necessary TMDL development activities for any of the priority watershed TMDL consideration. This will help accelerate achieving water quality improvements and restoration for those watersheds.

#### B.4. Future Monitoring Recommendations

It is anticipated that future monitoring efforts will continue to 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 continue to utilize State watershed delineations for inland and nearshore marine waters, as well as other geographical attributes. Currently, the CWB is in the process of developing GIS maps illustrating the assessment units.

## PART C. Surface Water Monitoring and Assessment Overview

### C.1 Surface Water Monitoring and Assessment

The CWB conducts year-round monitoring of coastal waters throughout the state to provide data to support BEACH Act requirements, §303(d) and 305(b) assessments, TMDL development, and CWA §319 watershed implementation projects. This statewide monitoring program maintains staff on Kauai, Oahu, Maui, and Hawaii. Monitoring on the islands of Molokai and Lanai is performed by Oahu staff; however, BEACH Act requirements are not implemented due to sample holding time restrictions.

### C.2. Data Sources

A formal call for data was announced in June 2019 and closed November 1, 2019. Marine water quality data collected between November 2017 and October 2019 are assessed in this report. Sources of data assessed in this report originated from NPDES permitted facilities, private consulting firms, non-profit organizations, and routine and special sampling conducted by the CWB or partnering entities (Appendix A). New, readily available data that meet the CWB's Quality Assurance/Quality Control (QA/QC) requirements are considered for assessment in the 2020 IR.

#### C.2.1. Quality Assurance/Quality Control

The CWB Monitoring and Analysis Section QA/QC is governed by the CWB Beach Monitoring Quality Assurance Project Plan (QAPP), which was updated on September 18, 2018, and the Near Shore Coastal Chemistry Monitoring QAPP, which was updated on September 25, 2018. In addition to the CWB QAPPs, the data quality necessary for assessment purposes are specified in the CWB Quality Assurance Program Plan (QAPrgP) and the Environmental Management Division Quality Management Plan (EMD QMP), which was updated on May 7, 2012 and November 15, 2013 respectively. Other data submitted from sources outside the HIDO, that meet data acceptance criteria updated on April 16, 2019, are evaluated for conformance with the CWB QAPP and the EMD QMP.

#### C.2.2. Laboratory Analytical Support

The HIDO uses a number of Hawaii-based laboratories for analysis of samples. The Environmental Health Analytical Services Branch (EHASB) of the State Laboratories Division (SLD) analyzes bacterial samples collected by HIDO personnel on Oahu and chemical samples collected by HIDO personnel on Kauai, Oahu, Maui, and Hawaii. The State also 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. West Hawaii bacterial sample analysis is conducted by Microbiology Consulting Services, LLC (MCS). MCS has analyzed bacterial samples for West Hawaii since July 2007.

#### C.2.3. Data Storage, Management, and Sharing

The CWB bacterial dataset extends from 1973 to the present, and the nutrient and water quality indicator 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. The STORET warehouse was decommissioned in June 2018. All monitoring data is now available through EPA's Water Quality Portal.

The 2020 IR assessment data will be uploaded into EPA's Assessment and Total Maximum Daily Load Tracking and Implementation System (ATTAINS) database.

### C.3 Assessment Units

In previous IRs, non-uniform scopes of assessment have been used to assess the State's waters. These have included a point, stretch of coastline, and segments of streams. To provide a more holistic and consistent assessment of the waters within the State, new assessment units are in the process of being created. The new AUs will be primarily based on the watersheds established by the State of Hawaii (DLNR) Commission on Water Resource Management (CWRM).

Watersheds will be used as the primary basis for the creation of new AUs since water quality assessments using watershed AUs consider the influence of watershed characteristics (e.g. land used, precipitation, and land-cover) on water quality downstream and in coastal areas. Marine waters fronting watersheds are largely influenced by streams and groundwater sources located in the associated watershed. Coastal waters, especially near shore marine waters, can be viewed as an extension of the watershed.

The 2016 IR established CWB watershed AUs for Kauai, Maui, Oahu, Molokai, and Lanai. The 2020 IR includes the established CWB watershed AUs for the Big Island. These CWB watershed AUs consist of marine waters that front the watershed. Inland waters are not included in these AUs at this time.

Since the new AUs have not been established for much of the individual water bodies, particularly inland waters, within the State, the individual water bodies established in previous IRs are the primary basis for the current assessment and §303(d) listing. These may include points, stretches of coastline, and segments of streams.

The water quality within the CWB watershed AUs that were established in the 2016 IR were assessed in the 2020 IR; however, they have not been issued a water body ID and are not included on the §303(d) list of impaired waters. They are currently intended to only provide an overall assessment of the quality of the marine waters that front the watersheds.

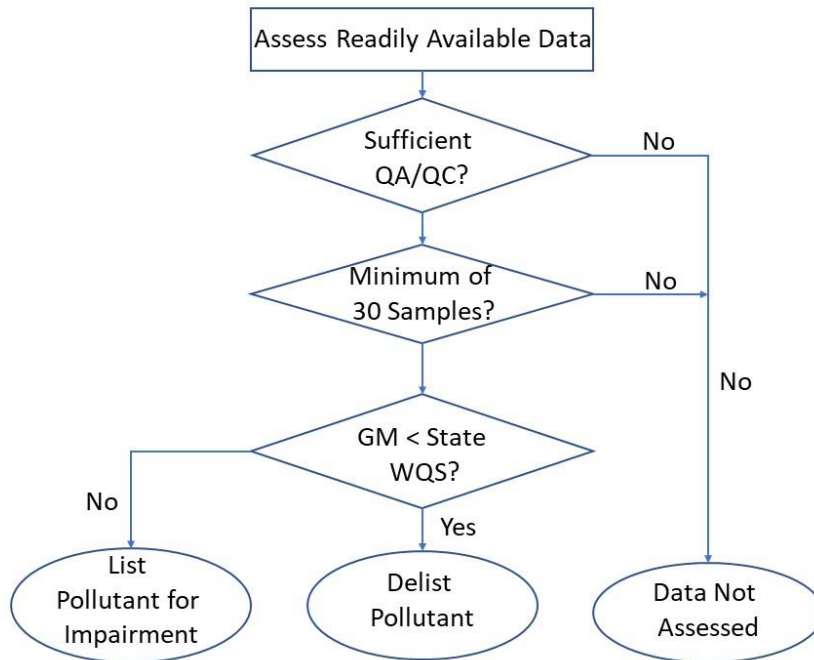
### C.4 Assessment Methodology

State surface waters are monitored to determine if water quality conditions support public health while recreating in and on the water (recreational health) and ecosystem health. Recreational health is assessed by enumerating enterococci, the recommended EPA fecal indicator bacteria for coastal recreational waters. Ecosystem health is assessed by comparing mostly nutrients and other pollutants to the applicable water quality criteria. The nutrient pollutants assessed in this

report include total nitrogen (TN); nitrate+nitrite-nitrogen ( $\text{NO}_3+\text{NO}_2$ ); ammonium-nitrogen ( $\text{NH}_4$ ); total phosphorus (TP); and where applicable, total dissolved nitrogen (TDN), total dissolved phosphorus (TDP), and orthophosphate ( $\text{PO}_4$ ) (HAR Ch. 11-54-6(d)). Other parameters collected by CWB for assessment purposes include chlorophyll *a*, total suspended solids (TSS), and field parameters such as pH, temperature, turbidity, salinity, and dissolved oxygen.

Decisions for listing/delisting water bodies for nutrients, fecal indicator bacteria, and other pollutants are based on the quality and quantity of data, water body type, and applicable numeric criteria (Figure 1.). A majority of the data assessed in the 2020 IR originated from beach samples collected along the coastline, as most of the CWB's monitoring efforts are currently focused on routine beach monitoring. There was limited inland water monitoring conducted. Additional sources of data considered for the 2020 IR include receiving water quality data from NPDES permitted facilities, private contractors, and non-governmental organizations (NGOs) (Appendix A). Chapters 2 and 3 contain more detailed assessment methods specific to marine and inland waters, respectively.





**Figure 1.** Flow chart of the listing/delisting process for enterococci, TN,  $\text{NO}_3+\text{NO}_2$ ,  $\text{NH}_4$ , TP,  $\text{PO}_4$ , turbidity, TSS, and chlorophyll *a*.

Assessed water bodies are then assigned to categories according to EPA's 2006 Integrated Water Quality Monitoring and Assessment Report Guidance and subsequent updates. The attainment of WQS for one pollutant but not another can result in the assignation of one or more categories to a water body.

- Category 1:** All designated uses are supported; no use is threatened;
- Category 2:** Available data and/or information indicate that some, but not all 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.

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 NPDES permits. The prioritization (low, medium, high) of water bodies for TMDL development is based on the number of pollutants not attaining state WQS, severity of exceedances, resource availability, and realistic schedule of completion. 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.

Each water body assessment is categorized according to EPA methods for inland and marine waters. Estuarine waters moved from marine waters to inland waters in the 2016 IR because HAR Ch. 11-54-2 classifies estuaries as inland waters. Water bodies are sorted by inland and then by inland (streams and estuaries) and marine waters. For both inland and marine waters the following applies:

- **Inland Waters Scope of Assessment**
  - EN = Entire Network
  - EE = Entire Estuary
  - ER = Entire Reservoir
  - EW = Entire Wetland
  - EL = Entire Lake
  - E = Estuary
  - P = Pearl Harbor

- **Marine Water Body Type**

- B = Embayment (as specified within HAR Ch. 11-54-6)
- C = Open Coastal (marine waters from the shoreline to 183 m (600 ft) depth contour and within 3 nautical miles from shore)
- O = Oceanic (marine waters from the 183 m (600 ft) depth contour and within 3 nautical miles from shore)
- 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 Ch. 11-54-6(d))

The 2020 water body assessments primarily indicate where sampling has occurred within the State. The 2020 IR marine assessments also include CWB watershed AUs first introduced in the 2016 IR that provide a more holistic view of the coastline waters within the State. There are some CWB watershed AUs listed twice due to containing individual water bodies that are classified as an embayment or coastal water body type and thus are compared to different WQS. The results of the assessment do not reflect all water bodies in the State. Prior assessments confirmed with new data are shaded gray, and any category changes for previously assessed waters are bolded, italicized, underlined, and shaded gray. The §305(b) assessment of State waters is located in Appendix B, and the §303(d) list of impaired waters is located in Appendix C.

## **CHAPTER 2: MARINE WATERS**

## PART A. Scope of Waters

Chapter 1 part C.4 describes the general methodology used to complete the assessment of both marine and inland waters. Chapter 2 further describes the assessment methodology and results applicable to marine waters as described in Hawaii's WQS, Hawaii Administrative Rules, Title 11, Chapter 54 (HAR Ch. 11-54). Marine waters are characterized according to water body type: embayments, open coastal, and oceanic waters. Specific numeric criteria applicable to each water body type are the primary basis for listing and delisting decisions.

The scopes of assessment for marine waters in the 2020 IR (i.e., stretches of coastline, beach segments, individual sampling stations, and CWB watershed AUs) are based upon the water body types described in the WQS and the premise that the water quality in near shore marine recreational waters is likely to be different than waters located offshore. For the purposes and consistency of the IR, nearshore recreational waters will continue to be categorized as coastal waters within 300 meters of shoreline and offshore waters beyond 300 meters.

### A.1. Assessment Units

The AUs used to assess marine waters in the 2020 IR consist primarily of points, and stretches of coastline. CWB watershed AUs were established for Kauai, Maui, Oahu, Lanai, Molokai, and Hawaii and the marine water quality within each CWB watershed AU was assessed if sufficient data was available during this cycle. To avoid duplicate listings, CWB watershed AUs were not given a water body ID and are not included on the §303(d) list of impaired waters. The CWB watershed AUs are only used to assess the overall status of the State's coastal marine waters as part of the §305(b) assessment. The results of the assessment are included in Appendix B.

## PART B. Assessment Methodology

Decisions for listing/delisting water bodies are based on the quality and quantity of data, water body type, and applicable State WQS. Numerous categories may be applicable to describe the current status of a water body because each AU is assessed for multiple pollutants. The attainment of WQS for one pollutant but not another, can result in the assignation of one or more categories to a water body.

Data collected in State receiving waters are placed into the appropriate assessment unit. The AUs are assessed based on water body types described in the WQS as well as the type of data available. AUs are assessed for recreational health and ecosystem health, where data is available.

### B.1. Recreational Health Assessment

Recreational health is assessed by enumerating enterococci, the recommended EPA fecal indicator bacteria for marine coastal recreational waters. Bacterial evaluations using enterococci inform both daily assessments and long term decisions (e.g., the IR) about whether public health is being protected while participating in water contact activities. The presence of enterococci in sufficient numbers "indicates the potential for human infectious diseases" as defined in the CWA §502(23) (EPA Office of Water 2012). Exceedance of the WQS for enterococci is generally

thought to indicate the presence of human fecal contamination and, hence, the presence of pathogens.

Daily enterococci assessments are primarily used to support decisions made in the context of the BEACH Act. Recipients of BEACH Act grant funds, such as Hawaii, are required to notify the public when enterococci levels either exceed or are likely to exceed the applicable water quality standards at specific beach locations. Daily assessments apply to specific beach locations, and not larger assessment units. In Hawaii, the public is notified when the enterococci concentrations in any given sample are at or above 130 colony forming units (CFUs)/100 mL of water.

The long-term decisions captured in IR assessments were previously based on monthly geometric means calculated from data collected within the AU over a two-year period. HAR §11-54-8 was amended in 2014 to remove the minimum sample number required to calculate the geometric mean, as recommended in EPA’s 2012 recommended Recreational Water Quality Criteria. For the purposes of the IR, a minimum of 30 samples are evaluated to ensure the results are statistically significant at each site. This helps to ensure that the results accurately reflect the conditions of the waterbody throughout the assessment period. For IR purposes the geometric mean (GM) is calculated over the entire two year assessment period. This assessment methodology increases the statistical confidence in the evaluation of nearshore waters and better assesses the water quality of the water body (i.e., the confidence of evaluating the geometric mean is strengthened with greater number of samples) (Table 1).

**Table 1.** Enterococci recreational WQS attainment/non-attainment based on GM.

<b>Frequency</b>	<b>Recreational WQS Attained</b>	<b>Recreational WQS Not Attained (Impaired)</b>
Two year interval, minimum of 30 samples	GM ≤ 35 CFU/100 mL	GM > 35 CFU/100 mL

## B.2. Ecosystem Health Assessment

Ecosystem health assessments are based on a GM calculation of the nutrient and field parameters identified in HAR §11-54-6. Assessments require a minimum of 30 samples to be collected from within the AU over a two-year assessment cycle. When assessing CWB watershed AUs, the 30 samples may come from multiple stations located within the larger watershed-based AU and should be representative of seasonal variation where possible. Ecosystem health assessment is based on one calculated GM for the two-year period. In addition, nutrient WQS vary depending on marine water body type, whereas bacterial WQS remain the same for all waters (Table 2). For marine waters where profile data are available at multiple depths, data are grouped according to distance from shoreline and combined for assessment decisions.

**Table 2.** Applicable water body type and WQS for marine water bodies

<b>Water Body Type</b>	<b>Description</b>	<b>Recreational WQS</b>	<b>Nutrient WQS</b>
Embayments	As defined in §11-54-6	HAR §11-54-8	Embayment, HAR Ch. 11-54-6 (a)
Near Shore Marine Waters	Shoreline to 300 m offshore	HAR §11-54-8	Open Coastal, HAR Ch. 11-54-6 (b)
Open Coastal Marine Waters	Shoreline to 183 m (600 ft) depth contour and within 3 nautical miles from shore	HAR §11-54-8	Open Coastal, HAR Ch. 11-54-6 (b)
Oceanic Waters	≥183 m (600 ft) depth contour and within 3 nautical miles from shore	HAR §11-54-8	Oceanic, HAR Ch. 11-54-6 (c)

### B.3. Water Body ID (*Formerly* Geocode ID)

Two sets of water body ID codes exist in the Hawaii structure: a 2-letter alphanumeric (HI) set and 3-letter alphanumeric (HIW) set. The numeric portion of both codes is preceded by the State abbreviation (HI) as per EPA protocol. The 2-letter code is from an existing structure of the EPA’s 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. Marine geocode IDs listed in former IRs were renamed to water body IDs in the 2016 IR because they serve as an internal unique identifier and do not relate to geospatial information. The 2020 IR keeps the same naming convention as the 2018 IR. GIS maps for the §305(b) water bodies for marine waters will be available for the 2020 IR.

## PART C. Results

### C.1. Marine Water Body Assessment Results

#### *Statewide*

Marine water bodies that had new, readily available data were assessed in this report. In the 2020 IR, 150 water bodies were assessed compared to the 108 assessed in the 2018 IR (Table 3). Out of the 150 marine water bodies assessed, 140 do not attain WQS for at least one or more conventional pollutants. It should be noted that not all pollutants are assessed for every water body due to unavailability of new data.

Of the marine waters assessed, the pollutant that most frequently met WQS, when assessed, during this cycle was bacteria (100%), followed by chlorophyll *a* and nutrients (56% and 25%, respectively). The pollutant that met WQS the least frequently for the assessed waters was turbidity (6%). This is consistent with the results of previous assessments (Table 5).

The assessment of the available water quality data resulted in the listing of 137 new water body/pollutant combinations onto the §303(d) list of impaired waters, and most of the new listings are associated with Oahu and Maui. The assessment also resulted in the delisting of 26 water body/pollutant combinations from the list of impaired waters, and most of the delistings

are associated with Oahu and Maui as well. No marine water bodies were assessed this cycle for Molokai, and only one water body was assessed for Lanai (Table 4).

**Table 3.** Marine Water Bodies Assessed for 2020 and 2018 IR

Island	Total Water Bodies per Island 2020	Total Assessed Water Bodies in 2020	% Assessed in 2020	Total Water Bodies per Island 2018	Total Assessed Water Bodies in 2018	% Assessed in 2018
Kauai	82	14	17%	82	20	24%
Oahu	191	69	36%	188	49	26%
Molokai	36	0	0%	36	0	0%
Lanai	17	1	6%	17	1	6%
Maui	129	44	34%	128	18	14%
Hawaii	108	22	19%	108	20	19%
<b>Total</b>	<b>563</b>	<b>150</b>	<b>27%</b>	<b>559</b>	<b>108</b>	<b>19%</b>

**Table 4.** New Waterbody/Pollutant Listings and Delistings in the 2020 IR cycle vs 2018 cycle.

Island	New Pollutant Listings in 2020	New Pollutant Listings in 2018	% Change	New Pollutant Delistings in 2020	New Pollutant Delistings in 2018	% Change
Kauai	6	1	500%	2	1	100%
Oahu	37	5	580%	7	2	250%
Molokai	0	0	N/A	0	0	N/A
Lanai	1	1	0%	1	0	N/A
Maui	63	5	1140%	12	2	500%
Hawaii	30	1	2900%	4	17	-76%
<b>Total</b>	<b>137</b>	<b>13</b>	<b>954%</b>	<b>26</b>	<b>22</b>	<b>18%</b>



*By Island.*

Water bodies assessed for bacteria on all islands met the bacteria WQS (100%). Assessed marine water bodies on Oahu and Lanai have the highest rate of attainment of the nutrient WQS (67% and 100%, respectively), while only 8% of both Maui and Hawaii’s marine water bodies assessed for nutrients attain the numeric WQS. The turbidity WQS was predominantly not attained for all islands (Kauai, Oahu, Maui, Lanai, and Hawaii). The rate of attainment of the turbidity WQS ranged from 0% to 10%. The chlorophyll *a* WQS is attained in 92% of marine water bodies assessed on Hawaii. Oahu has the lowest attainment of the Chlorophyll *a* WQS at 33% (Table 5).

**Table 5.** Assessed marine water body attainment and non-attainment of WQS for pollutants summarized by island.

Island	Bacteria			Nutrients			Turbidity			Chlorophyll <i>a</i>		
	A	N	%A	A	N	%A	A	N	%A	A	N	%A
Kauai	12	0	100%	1	1	50%	0	14	0%	1	1	50%
Oahu	56	0	100%	12	6	67%	6	54	10%	5	10	33%
Molokai	--	--	N/A	--	--		--	--	N/A	--	--	N/A
Lanai	--	--	N/A	1	0	100%	0	1	0%	1	0	100%
Maui	13	0	100%	3	37	8%	0	43	0%	6	7	46%
Hawaii	10	0	100%	1	11	8%	2	20	10%	11	1	92%
<b>Total for 2020</b>	<b>91</b>	<b>0</b>	<b>100%</b>	<b>18</b>	<b>55</b>	<b>25%</b>	<b>8</b>	<b>132</b>	<b>6%</b>	<b>24</b>	<b>19</b>	<b>56%</b>
<b>Total for 2018</b>	<b>70</b>	<b>7</b>	<b>91%</b>	<b>15</b>	<b>19</b>	<b>44%</b>	<b>14</b>	<b>72</b>	<b>16%</b>	<b>16</b>	<b>14</b>	<b>53%</b>

\*Attainment = (A) non-attainment = (N) -- = not assessed.

**C.2. Watershed Assessment Results**

In an effort to provide a more holistic assessment of the waters within the State, the water quality within the established CWB watershed AUs was assessed. Watershed AUs were included for Hawaii Island for the 2020 IR in addition to those already established on Kauai, Oahu, Maui, Molokai, and Lanai. Some watersheds were split to account for differences in WQS within the same watershed (e.g., applicability of wet or dry criteria).

*Statewide*

Approximately 532 CWB watershed AUs have been established. Based on new, readily available water quality data, 70 CWB watershed AUs on Kauai, Oahu, Lanai, Maui, and Hawaii Island are assessed in this report (Table 6). Approximately 15% of the CWB watershed AUs on Kauai, 33% of CWB watershed AUs on Oahu, 3% of CWB watershed AUs on Lanai, 17% of CWB watershed AUs on Maui, and 5% of watersheds on Hawaii Island were assessed for at least one pollutant in the 2020 IR. Sufficient new data for CWB watershed AUs on Molokai were not available for this IR cycle.

Of the 70 CWB watershed AUs assessed, 69 do not attain State WQS for at least one or more conventional pollutants. It should be noted that not all pollutants are assessed for every watershed due to unavailability of new data. The WQS for turbidity is exceeded the most frequently (99% of assessed CWB watershed AUs), followed by nutrients (89% of assessed

CWB watershed AUs). Approximately 53% of the assessed CWB watershed AUs do not attain the chlorophyll *a* WQS. Attainment of the bacteria water quality standard is observed in 100% of CWB watershed AUs assessed for bacteria (Table 7).

**Table 6.** Watershed AUs assessed for the 2020 and 2018 IR Cycles

Island	Total Watershed AUs in 2020	Watershed AUs Assessed in 2020	% Assessed in 2020	Total Watershed AUs in 2018	Watershed AUs assessed in 2018	% Assessed in 2018
Kauai	74	11	15%	74	14	19%
Oahu	91	30	33%	87	21	24%
Molokai	50	--	N/A	50	--	N/A
Lanai	32	1	3%	32	1	3%
Maui	113	19	17%	113	13	12%
Hawaii	172	9	5%	166	--	N/A
<b>Total</b>	<b>532</b>	<b>70</b>	<b>13%</b>	<b>522</b>	<b>49</b>	<b>9%</b>

-- = not assessed.

**Table 7.** Assessed Watershed AUs attainment and non-attainment of WQS for pollutants summarized by island.

Island	Bacteria			Nutrients			Turbidity			Chlorophyll <i>a</i>		
	A	N	%A	A	N	%A	A	N	%A	A	N	%A
Kauai	11	0	100%	--	--	N/A	0	11	0%	--	--	N/A
Oahu	24	0	100%	2	12	14%	0	29	0%	5	9	36%
Molokai	--	--	N/A	--	--		--	--	N/A	--	--	N/A
Lanai	--	--	N/A	1	0	100%	0	1	0%	1	0	100%
Maui	9	0	100%	1	16	6%	0	19	0%	4	7	36%
Hawaii	7	0	100%	0	6	0%	1	7	13%	5	1	67%
<b>Total for 2020</b>	<b>51</b>	<b>0</b>	<b>100%</b>	<b>4</b>	<b>34</b>	<b>11%</b>	<b>1</b>	<b>67</b>	<b>1%</b>	<b>15</b>	<b>17</b>	<b>47%</b>
<b>Total for 2018</b>	<b>38</b>	<b>5</b>	<b>88%</b>	<b>0</b>	<b>10</b>	<b>0%</b>	<b>1</b>	<b>45</b>	<b>2%</b>	<b>3</b>	<b>5</b>	<b>38%</b>

attainment = (A), non-attainment = (N), -- = not assessed.

### *By Island*

Kauai, Lanai, Oahu, and Maui show the highest percentage of turbidity impairments (99%) in CWB watershed AUs assessed for turbidity. 100% of the 51 CWB watershed AUs assessed for bacteria attained the bacteria water quality standard. With the addition of Hawaii watershed AUs and data from Oahu watershed AUs, 38 CWB watershed AUs were assessed for nutrients and 32 CWB watershed AUs were assessed for chlorophyll *a*. Lanai has the highest attainment of nutrient WQS at 100% followed by Oahu at 14%. Lanai and Hawaii have the highest attainment of chlorophyll *a* at 100% and 67% respectively.

### C.3. Assessment Results Summary

The 2020 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. The following table details how a marine water body is assigned a different numerical category and includes reasons for those changes. Overall, there were 137 new waterbody/pollutant listings and 26 new waterbody/pollutant delistings for the 2020 IR assessment cycle (Tables 8 through 12).

Maui and Oahu had the greatest number of new listings (63 and 37, respectively), followed by Hawaii Island, Kauai, and Lanai (30, 6, and 1, respectively). Maui had the greatest number of delistings (12), followed by Oahu, Hawaii, Kauai, and Lanai (7, 4, 2, and 1, respectively) (Table 4). Turbidity was the most frequent pollutant to cause a water body to be listed during this cycle. This is consistent with previous integrated reports, and may be due to increased polluted runoff entering near-shore waters.

**Table 8. Kauai Category Changes**

Scope of Assessment	Water Body ID	Pollutant	Decision Action	Summary Rationale	Reason for Change
Pacific Missile Range Facility (Open Coastal)	HIW00212	NH <sub>4</sub>	Delist pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Chl. A	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Wai'ohai Beach	HI392082	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Wailua (Open Coastal)	HIW00215	Chl. A	Delist pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		NH <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> 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	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.

Category changes from the 2018 listed marine water bodies that identify pollutants where a change has occurred (e.g., new impairment listing, delisting, etc.). Pollutants: Enterococcus; TN=total nitrogen, TDN=total dissolved nitrogen, NO<sub>3</sub>+NO<sub>2</sub>=nitrate+nitrite-nitrogen, NH<sub>4</sub>=ammonia-nitrogen, TP=total phosphorus, PO<sub>4</sub>=orthophosphate, turbidity, Chl <sub>a</sub>=chlorophyll a. Summary rationale codes: NND=new numerical data, NL=new impairment listing (assign category 5), DL=delisting,

**Table 9. Oahu Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Bellows Field Beach Co. Park	HIW00081	Enterococcus	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Campbell Industrial	HIW00187	NH <sub>4</sub>	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
Diamond Head	HI544313	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Ewa Beach	HI767464	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kahala Hilton Beach	HI173325	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kahe Point Beach Co. Park	HI548986	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

**Table 9. Oahu Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Kahe Point (Open Coastal)	HIW00214	TN	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		NH <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Kailua Bay (Open Coastal)	HIW00194	NH <sub>4</sub>	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		Chl. A	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kalama Beach	HI071892	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kapi'olani Park	HI733929	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kapoho Point	HIW00192	Enterococcus	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.

<b>Table 9. Oahu Category Changes</b>					
<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Kokololio Beach	HI767708	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Laniakea Beach	HI183312	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Lualualei Beach Co. Park	HI800877	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Ma'ili Beach Park	HI627464	TN	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Chl. A	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Maipalaoa Beach	HI280966	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

**Table 9. Oahu Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Makua Beach	HI915061	NH <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Manner's Beach	HI717740	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Maunalua Bay	HI23413	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		TN	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		NO <sub>3</sub> +NO <sub>2</sub>	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
Nanakuli Beach Park	HI467413	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.



**Table 9. Oahu Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Nanakuli Beach Park	HI467413	NH <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Chl. A	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Nimitz Beach	HI682233	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> 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	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Ocean Pointe E	HIW00130	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Oneula Beach Park	HI825419	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Pipeline, The	HI188157	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Pupukea Beach Co. Park	HI193495	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

Table 9. Oahu Category Changes					
Scope of Assessment	Water Body ID	Pollutant	Decision Action	Summary Rationale	Reason for Change
Sandy Beach (Open Coastal)	HIW00191	Chl. A	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Tongg's	HI248913	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Waikiki Beach Center	HI244505	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Waimanalo Bay St. Rec. Area	HI279194	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Yokohama Bay	HI269028	NH <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

Category changes from the 2018 listed marine water bodies that identify pollutants where a change has occurred (e.g., new impairment listing, delisting, etc.). Pollutants: Enterococcus; TN=total nitrogen, TDN=total dissolved nitrogen, NO<sub>3</sub>+NO<sub>2</sub>=nitrate+nitrite-nitrogen, NH<sub>4</sub>=ammonia-nitrogen, TP=total phosphorus, PO<sub>4</sub>=orthophosphate, turbidity, Chl<sub>a</sub>=chlorophyll a. Summary rationale codes: NND=new numerical data, NL=new impairment listing (assign category 5), DL=delisting, A2=assign category 2 (category change from 3 to 2). TBD=to be determined.

**Table 10. Maui Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Hanaka'o'o Beach County Park	HI797917	Enterococcus	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		Chl. A	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Honolua Bay	HI280286	TP	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
Kaanapali (Kahekili Beach)	HI643627	NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		Chl. A	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Kahana (Mahinahina Condo Shoreline)	HI160433	TP	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
Kalama Beach Co. Park (Beach)	HIW00023	TP	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
Kalepolepo Beach	HI647373	TN	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

**Table 10. Maui Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Kalepolepo Beach	HI647373	Turbidity	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kalepolepo (Waimahaihai)	HIW00141	TP	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		TN	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Kamaole Beach 1	HI761092	TN	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kamaole Beach 3	HI496115	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kapoli Beach Co. Park	HI599968	TN	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Turbidity	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

**Table 10. Maui Category Changes**

Scope of Assessment	Water Body ID	Pollutant	Decision Action	Summary Rationale	Reason for Change
Keawakapu Beach	HI607763	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Kihei Coast-Mokulele	HIW00042	NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Lahaina Beach	HI407363	TN	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
Launiupoko St. Wayside Park	HI558359	Enterococcus	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Ma'alaea Beach	HI058731	TN	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Mai Poina Oe Iau Beach Co. Park	HIW00025	TN	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

**Table 10. Maui Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Mai Poina Oe Iau Beach Co. Park	HIW00025	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Makena Beach Landing	HI245556	TN	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Turbidity	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Malu'aka Beach	HI847607	TN	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Turbidity	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Napili Bay	HI764060	TN	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.

**Table 10. Maui Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Olowalu (Shorefront)	HIW00021	NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Olowalu (Teen Challenge)	HI491359	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Oneloa Bay Beach	HI740710	NH <sub>4</sub>	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		Chl. A	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
Oneloa Beach (Big Beach) (Makena Beach Station)	HI279887	Chl. A	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Oneuli Beach	HI756040	TN	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.

**Table 10. Maui Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Palaua Beach Park	HI997014	TN	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Palaua Beach Park	HI997014	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Turbidity	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Papalaua	HI462219	Turbidity	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Papalaua Pali	HIW00216	Turbidity	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Poolenalena Beach	HI684864	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Turbidity	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Ukumehame Beach Co. Park	HI814309	Turbidity	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Ulua Beach Park	HI588333	TN	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.



**Table 10. Maui Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Ulua Beach Park	HI588333	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Ulua Beach Park	HI588333	NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Wahikuli State Wayside Park	HI169380	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Wailea Beach Park	HI278988	Chl. A	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Waipulani	HI284036	TN	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		Turbidity	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

**Table 10. Maui Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
West Maui Coast-Kahana Village	HIW00076	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
West Maui Coast-Kahana Village	HIW00076	NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
West Maui Coast-S-Turns (Pohaku)	HIW00047	TP	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
West Maui-Papakea	HIW00079	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NH <sub>4</sub>	List Pollutant	NND,NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

Category changes from the 2018 listed marine water bodies that identify pollutants where a change has occurred (e.g., new impairment listing, delisting, etc.). Pollutants: Enterococcus; TN=total nitrogen, TDN=total dissolved nitrogen, NO<sub>3</sub>+NO<sub>2</sub>=nitrate+nitrite-nitrogen, NH<sub>4</sub>=ammonia-nitrogen, TP=total phosphorus, PO<sub>4</sub>=orthophosphate, turbidity, Chl <sub>a</sub>=chlorophyll a. Summary rationale codes: NND=new numerical data, NL=new impairment listing (assign category 5), DL=delisting, A2=assign category 2 (category change from 3 to 2). TBD=to be determined.

**Table 11. Lanai Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Hulopoe Bay	HIW00177	NH <sub>4</sub>	Delist Pollutant	NND, DL	<b>DELIST cat 2;</b> 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	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.

Category changes from the 2018 listed marine water bodies that identify pollutants where a change has occurred (e.g., new impairment listing, delisting, etc.). Pollutants: Enterococcus; TN=total nitrogen, TDN=total dissolved nitrogen, NO<sub>3</sub>+NO<sub>2</sub>=nitrate+nitrite-nitrogen, NH<sub>4</sub>=ammonia-nitrogen, TP=total phosphorus, PO<sub>4</sub>=orthophosphate, turbidity, Chl <sub>a</sub>=chlorophyll a. Summary rationale codes: NND=new numerical data, NL=new impairment listing (assign category 5), DL=delisting, A2=assign category 2 (category change from 3 to 2). TBD=to be determined.

**Table 12. Hawaii Island Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Kahuwai Bay- Mano Point	HIW00153	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		PO <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> 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	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		NH <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		TP	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Ka'upulehu	HI770607	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		PO <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> 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	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		NH <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		TP	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> 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	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Kealakekua Bay	HIW00149	TN	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		PO <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.

**Table 12. Hawaii Island Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Leleiwi Beach Co Park	HI540868	Turbidity	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Manini'owali	HI720408	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Onekahakaha Beach Co. Park	HI862286	Enterococci	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
Paoao Point to Keawekaheka Point	HIW00145	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> 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	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		PO <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Pine Trees-Honokohau	HIW00146	TN	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		NH <sub>4</sub>	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		TP	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		PO <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Waiulua Bay to Anaehoomalu Bay	HIW00148	NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		NH <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		TP	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> 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	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.

**Table 12. Hawaii Island Category Changes**

<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Pollutant</b>	<b>Decision Action</b>	<b>Summary Rationale</b>	<b>Reason for Change</b>
Waiulua Bay to Anaehoomalu Bay	HIW00148	PO <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
Wawaloli Beach	HI643938	NH <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
		PO <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 3 to 5.
Wawaloli Beach-Pine Trees	HIW00147	TN	Delist Pollutant	NND, DL	<b>ASSIGN cat. 2;</b> Assessment of new data indicates that applicable WQS are being attained, resulting in category change from 5 to 2.
		PO <sub>4</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.
		NO <sub>3</sub> +NO <sub>2</sub>	List Pollutant	NND, NL	<b>ASSIGN cat. 5;</b> Assessment of new data indicates that applicable WQS are not being attained, resulting in a category change from 2 to 5.

Category changes from the 2018 listed marine water bodies that identify pollutants where a change has occurred (e.g., new impairment listing, delisting, etc.). Pollutants: Enterococcus; TN=total nitrogen, TDN=total dissolved nitrogen, NO<sub>3</sub>+NO<sub>2</sub>=nitrate+nitrite-nitrogen, NH<sub>4</sub>=ammonia-nitrogen, TP=total phosphorus, PO<sub>4</sub>=orthophosphate, turbidity, Chl <sub>a</sub>=chlorophyll a. Summary rationale codes: NND=new numerical data, NL=new impairment listing (assign category 5), DL=delisting, A2=assign category 2 (category change from 3 to 2). TBD=to be determined.

## **CHAPTER 3: INLAND WATERS**

## PART A. Scope of Waters

Chapter 3 of the 2020 IR covers all inland waters. Assessment units for the 2020 IR remain the same as in previous IRs. Inland waters are classified by type according to the HAR Ch. 11-54-2(b).

### A.1. Assessment Unit

The basic (Tier I) assessment unit for the State’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 AUs can include one or more water body type as defined by HAR Ch. 11-54-2(b), including, but not limited to, intermittent streams, reservoirs, and wetlands (Table 13).

**Table 13.** Applicable water quality criteria and decision unit boundaries for inland water bodies.

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

<sup>1</sup>HAR Ch. 11-54-2(b) inland water water body types; these definitions are applied to the definition of decision units. <sup>2</sup>HAR Ch. 11-54-4 basic water quality criteria applicable to all waters; HAR Ch. 11-54-8 specific criteria for inland recreational waters; HAR Ch. 11-54-5.2(b) specific criteria for stream water column; HAR Ch. 11-54-5.2(b)(1) bottom criteria for streams; HAR Ch. 11-54-5.2(c) specific criteria for elevated wetlands; HAR Ch. 11-54-5.2(d) specific criteria for estuaries. <sup>3</sup>HAR Ch. 11-54-5.1 establishes a system of water body classification and associated designated uses. <sup>4</sup>HAR Ch. 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).” <sup>5</sup>HAR Ch. 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. <sup>6</sup>This water body type is not defined by rule but is included in the definition of “Standing waters.” <sup>7</sup>This water body type is not defined by rule but is included in the definition of “State waters.”



### A.1.1. Tiered Approach

A tiered approach, linked with the assessment decision criteria first adopted in Hawaii's 2002 §303(d) list of impaired waters, was used in past assessments to refine AUs for inland freshwater stream networks. Tier I AUs 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 AUs 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 AUs are established for TMDL development and other intensive monitoring and analysis purposes. Tier IV AUs are part of Tier III assessment units and defined based on the most detailed assessment information.

### A.1.2. Assessment Unit Rationale and Implementation

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

- (a) An assumption that streams are the most widespread and important inland freshwater body type to assess for achieving 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 water body inventory and present limitations for monitoring and assessing all water bodies, water quality criteria, and use attainment within each water body type.

AU 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.

### A.1.3. Application of Criteria to Attainment Decisions

The §303(d) list of impaired waters applies to the entire inland freshwater 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.

The HIDOH recommends 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 assessment unit for inland freshwater bodies, and may include the boundaries of the water body types as defined by HAR Ch. 11-54-2.

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

## PART B. Assessment Methodology

### B.1. Recreational Health and Ecosystem Health Assessment

Standardized criteria enable HIDOH to periodically collect and assess datasets for water body evaluations. Datasets and supporting documentation are evaluated against numeric water quality criteria, henceforth referred to as WQS, where applicable, for listing/delisting decisions. New, readily available data that meet the CWB’s QA/QC and data submittal requirements are considered for assessment in the 2020 IR.

The WQS described in HAR Ch. 11-54 for recreational, nutrient, and water quality indicators 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” WQS applicable in marine waters, which are dependent on the amount of freshwater discharge per shoreline mile. Water quality standards for estuaries are not divided into “wet” and “dry” seasons.

Similar to marine waters, enterococci are the indicator bacteria used to evaluate recreational health in inland waters, while nutrients (TN, NO<sub>3</sub>+NO<sub>2</sub>, NH<sub>4</sub>, and TP) and water quality field indicators (TSS, turbidity, and chlorophyll *a*) are used to determine ecosystem health. These pollutants are evaluated for inland waters in the same manner as for marine waters, which is described in Chapter 2, Part B. The minimum number of samples required to evaluate inland waters for enterococci and nutrients (30 samples collected over 2 years) is the same as required to evaluate marine waters.

Decisions for listing/delisting (§303(d)) conventional pollutants for inland waters follow the same protocol as marine waters (Figure 1). For the 2020 IR, inland waters follow the same assessment methodology as marine waters for recreational and ecosystem health water quality assessment. Similar to marine waters, nutrient WQS vary depending on water body type, whereas bacterial WQS remain the same for all waters (Table 14).

**Table 14.** Applicable water body type and WQS for inland water bodies.

<b>Water Body Type</b>	<b>Description</b>	<b>Recreational WQS</b>	<b>Nutrient WQS</b>
Estuaries	As defined in HAR Ch. 11-54-1	HAR Ch. 11-54-8	Estuaries, HAR Ch. 11-54-5.2(d)(1) and (d)(2) for Pearl Harbor
Streams	As defined in HAR Ch. 11-54-1	HAR Ch. 11-54-8	Streams, HAR Ch. 11-54-5.2(b)

### B.2. Public Health Issues

#### Leptospirosis Threat

Leptospirosis is not included as a specific water quality standard pollutant. However, all inland freshwaters within the State are considered potential sources of Leptospirosis infection by the

Disease Outbreak Control Division 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 and lead.

### B.3. Water Body ID

Numerous conventions for naming and coding Hawaii's water bodies and AU boundaries have been designed and used over time. Building a comprehensive statewide water body inventory that standardizes these conventions for use by HDOH and others is an ongoing intergovernmental resource management task. Geocode ID (or water body identification) for inland freshwater assessment units are based on the Hawaii Stream Assessment Coding System (Hawaii Cooperative Park Service Unit 1990) with some modifications, as noted in the 2006 IR. Similar to marine waters, geocode IDs for inland waters were renamed to water body ID in the 2016 IR because they serve as an internal unique identifier and do not relate to geospatial information. Development of GIS maps for the §303(d) impaired waters list and §305(b) water bodies for inland waters will coincide with the development of the standardized assessment methodology for inland waters and therefore come at a later date.

## PART C. Results

### C.1. Inland Waters Assessment Results

One inland freshwater body and one estuary are assessed in this report. These assessed inland water bodies are summarized in Table 15.

- Waioli Stream (Kauai) (dry season)
- Waipa estuary (Kauai)

**Table 15.** Assessed Inland Water Bodies in the 2020 vs 2018 IR Cycles

<b>Island</b>	<b>2020 Assessed Inland Water Bodies</b>	<b>2018 Assessed Inland Water Bodies</b>	<b>% Change</b>
Kauai	2	3	-33%
Oahu	0	2	-100%
Molokai	0	0	N/A
Lanai	0	0	N/A
Maui	0	0	N/A
Hawaii	0	0	N/A
<b>Total</b>	<b>2</b>	<b>5</b>	<b>-60%</b>

**Table 16.** New Pollutant Listings and Delistings in the 2020 IR cycle vs 2018 cycle

<b>Island</b>	<b>2020 New Pollutant Listings</b>	<b>2018 New Pollutant Listings</b>	<b>% Change</b>	<b>2020 New Pollutant Delistings</b>	<b>2018 New Pollutant Delistings</b>	<b>% Change</b>
Kauai	0	2	-100%	0	0	N/A
Oahu	0	0	N/A	0	1	-100%
Molokai	0	0	N/A	0	0	N/A
Lanai	0	0	N/A	0	0	N/A
Maui	0	0	N/A	0	0	N/A
Hawaii	0	0	N/A	0	0	N/A
<b>Total</b>	<b>0</b>	<b>2</b>	<b>-100%</b>	<b>0</b>	<b>1</b>	<b>-100%</b>

***Streams Dry Season******Kauai***

Waioli Stream was previously assessed for enterococci and turbidity in the 2018 IR. It did not meet the WQS for either. In the 2020 IR, numerical data for enterococci and turbidity were again available for assessment (Table 16). The newly assessed numerical data indicate that Waioli Stream continues to not attain WQS for enterococci and turbidity

***Estuaries******Kauai***

Waipa estuary was initially listed as impaired for turbidity in the 2008 IR and for enterococci in the 2014 IR. In 2008, a TMDL was approved for turbidity for Waipa estuary. Newly assessed numerical data indicate this water body continues to not attain WQS for enterococci and turbidity.

## REFERENCES

- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. U.S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report Y-87-1. 207 p.
- U.S. Environmental Protection Agency. EPA National Water Quality Inventory Report to Congress (Section 305(b) reports). 2013. Retrieved February 21, 2014, from <http://water.epa.gov/lawsreg/guidance/cwa/305b/index.cfm>.
- U.S. Environmental Protection Agency. EPA New Vision for the CWA 303(d) Program-An Updated Framework for Implementing the CWA 303(d) Program Responsibilities. 2015. Retrieved September 6, 2016, from <https://www.epa.gov/tmdl/new-vision-cwa-303d-program-updated-framework-implementing-cwa-303d-program-responsibilities>.
- U.S. Environmental Protection Agency. EPA Office of Water. 2012. Recreational Water Quality Criteria. 820-F-12-058.
- Grasshoff, K. 1983. Methods of seawater analysis. Verlag Chemie, Weinheim, 419 pp.
- Hawaii Department of Health. 2013. Environmental Management Division Quality Management Plan.
- Hawaii Department of Health. 2013. Environmental Management Division Clean Water Branch Quality Assurance Program Plan. WATR0695PV1.
- Standard Methods. 2012. *Standard Methods for the Examination of Water and Wastewater 22nd Edition*. American Public Health Association, Washington, D.C. Port City Press, Baltimore, MD. 1325pp.
- 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.

## APPENDIX A: Data Sources

### **City and County of Honolulu (CCH)**

The CCH collects bacteria, nutrient, and water quality indicator (turbidity, TSS and chlorophyll *a*) samples from shoreline, near shore, and offshore locations on Oahu as part of their NPDES permit requirements for wastewater treatment plants (WWTP). Bacteria, nutrient, and water quality indicator data collected from control stations located in receiving water bodies on Oahu between November 1, 2017 and October 31, 2019 are included in the 2020 IR assessment. The WWTPs are located in Waianae, Honouliuli, Sand Island, and Kailua (Mokapu).

### **Clean Water Branch**

The CWB collects shoreline bacteria, nutrient, and water quality indicator (turbidity, TSS, and chlorophyll *a*) samples as part of EPA's BEACH program. Shoreline data collected between November 1, 2017 and October 31, 2019 on Kauai, Lanai, Maui, Oahu, and Hawaii were included in the 2020 IR assessment. Sufficient shoreline data was not collected by CWB on Molokai within that timeframe. 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, Wailua WWTP, Par Hawaii Refinery, East Honolulu WWTP, HECO, Kahului Generating Station, Kulaimano WWTP, Papaikou-Paukaa WWTP, Hilo WWTP, and Keahole Point Fish) are required to monitor and submit bacteria, nutrient, and water quality indicator (turbidity and chlorophyll *a*) data via DMRs. Water quality data collected from control stations in receiving water bodies on Kauai, Maui, Oahu, and Hawaii between November 1, 2017 and October 31, 2019 are included in the 2020 IR assessment. Discharge monitoring reports 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 water quality indicator (turbidity and chlorophyll *a*) samples for western Kona coast of Hawaii. Data that were collected between November 1, 2017 and October 31, 2019 were used in the 2020 IR assessment. 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). Richard Brock retired in 2019 and passed monitoring projects to Waimea Water Service.

### **Marine Research Consultants (MRC)**

MRC is a private research company headed by Steve Dollar, PhD. MRC collects nutrient and water quality indicator (turbidity and chlorophyll *a*) samples to characterize coastal water quality (according to HAR §11-54-6), for Ocean Pointe (formerly the Ewa Marina) on Oahu and Hulopoe Bay on Lanai. All data collected between November 1, 2017 and October 31, 2019 follow a prepared sampling methodology and documented analysis methodology as described in 40 CFR §136.3. In 2018, MRC changed labs from Marine Analytical Specialists to Marine Consulting and Analytical Resources, LLC.

### **Natural Energy Laboratory of Hawaii Authority (NELHA)**

NELHA is a state funded facility that provides the CWB with nutrient and water quality indicator (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 on Hawaii. The data collected between November 1, 2017 and October 31, 2019 were used in the 2020 IR assessment.

NEHLA has implemented the standard sampling procedure and analytical protocol of HAR Ch. 11-54-10 for its quarterly ocean transect sampling program. The NELHA Water Quality Laboratory follows Standard Methods for the Examination of Water and Wastewater 22<sup>nd</sup> Edition (2012) and EPA test methods for its analytical procedures.

### **Hui O Ka Wai Ola**

Hui O Ka Wai Ola is a non-profit program whose goal is to increase the capacity for monitoring water quality in Maui coastal waters. The program collects nutrient and water quality indicator (turbidity) data from the Maui shoreline. Data collected between November 2017 and October 2019 were used in the 2020 IR assessment. The program was developed with assistance from the CWB to ensure that data collected will meet the required quality assurance and quality control parameters. The program follows the 2017 CWB approved Quality Assurance Project Plan.

### **Waimea Water Services**

Waimea Water Services is a company on Hawaii Island and took over monitoring projects from Richard Brock, PhD, in 2019. Waimea Water Services collects nutrient and water quality indicator (turbidity and chlorophyll *a*) samples for the western Kona coast of Hawaii and West Maui.

### **Water Resources Research Center (WRRC)**

WRRC is an affiliate of the University of Hawaii at Manoa (UHM). They assist with monitoring projects such as the one conducted in Maunalua Bay as well as nutrient monitoring in Ko’Olina.

### **Pacific Islands Ocean Observing System (PacIOOS)**

PacIOOS is a part of the United States Integrated Ocean Observing System and is based out of UHM. PacIOOS monitors for temperature, salinity, turbidity, and chlorophyll *a* in nearshore waters across the state. They also maintain sensors in various territories and countries across the Pacific.

## APPENDIX B: §305(b) Assessment of State Waters



**Table 1. KAUAI Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
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
Anahola	Stream	EN	2-2-01	Wet	-	Ac	Ac	Ac	N	Ac		2,3,5
Black Pot Beach Park	Estuary	EE	HI891354	NA	-	-	-	-	-	NA	NH <sub>4</sub> (-) Chl <i>a</i> (-)	3
Hanakapiai	Stream	EN	2-1-10		-	-	-	-	-	-		3
Hanalei	Stream	EN	2-1-19	Dry	N <sub>T</sub>	A	A	N	A <sub>T</sub>	A <sub>T</sub>		2,4a,5
Hanalei	Stream	EN	2-1-19	Wet	N <sub>T</sub>	A	A	A	A <sub>T</sub>	A <sub>T</sub>		2,4a
Hanalei Bay upstream of Dolphin	Estuary	EE	HIW00160	NA	- <sub>T</sub>	-	-	-	N <sub>T</sub>	NA	NH <sub>4</sub> (-) Chl <i>a</i> (-)	3,4a
Hanalei River (End of Weke Road)	Estuary	EE	HI385259	NA	N <sub>T</sub>	A	A	N	N <sub>T</sub>	NA	NH <sub>4</sub> (N) Chl <i>a</i> (A)	2,4a,5
Hanamaulu	Stream	EN	2-2-12	Dry	-	-	-	-	N	-		3,5
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
Hanapepe	Stream	EN	2-3-07	Wet	-	Ac	Ac	Ac	V	Ac		2,3,5
Huleia	Stream	EN	2-2-15	Dry	N <sub>T</sub>	N <sub>T</sub>	N <sub>T</sub>	A <sub>T</sub>	V <sub>T</sub>	A <sub>T</sub>		4a
Huleia	Stream	EN	2-2-15	Wet	N <sub>T</sub>	A <sub>T</sub>	A <sub>T</sub>	A <sub>T</sub>	A <sub>T</sub>	A <sub>T</sub>		4a
Kalihiwai	Stream	EN	2-1-25		-	-	-	-	-	-		3
Kapaa	Stream	EN	2-2-04	Dry	-	A	A	A	N	A		2,3,5
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
Kilauea	Stream	EN	2-1-28	Wet	-	Ac	Ac	Ac	N	Ac		2,3,5
Kipu	Stream	EN	2-3-01		-	-	-	-	-	-		3
Lawai	Stream	EN	2-3-04	Dry	-	N	N	A	N	A		2,3,5
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

**Table 1. KAUAI Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
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
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
Moloaa	Stream	EN	2-1-34	Wet	-	-	-	-	N	-		3,5
Nawiliwili	Stream	EN	2-2-13	Dry	N <sub>T</sub>	N <sub>T</sub>	N <sub>T</sub>	A <sub>T</sub>	V <sub>T</sub>	A <sub>T</sub>		4a
Nawiliwili	Stream	EN	2-2-13	Wet	N <sub>T</sub>	N <sub>T</sub>	N <sub>T</sub>	A <sub>T</sub>	A <sub>T</sub>	A <sub>T</sub>		4a
Papaa	Stream	EN	2-1-35	Dry	-	N1	N1	Ac	N1	Ac		2,3,5
Papaa	Stream	EN	2-1-35	Wet	-	-	-	-	-	-		3
Papakolea	Stream	EN	2-2-16	Dry	N <sub>T</sub>	N <sub>T</sub>	N <sub>T</sub>	N <sub>T</sub>	N <sub>T</sub>	N <sub>T</sub>		4a
Papakolea	Stream	EN	2-2-16	Wet	N <sub>T</sub>	N <sub>T</sub>	N <sub>T</sub>	N <sub>T</sub>	N <sub>T</sub>	N <sub>T</sub>		4a
Puali	Stream	EN	2-2-14	Dry	N <sub>T</sub>	N <sub>T</sub>	N <sub>T</sub>	A <sub>T</sub>	N1 <sub>T</sub>	A <sub>T</sub>		4a
Puali	Stream	EN	2-2-14	Wet	N <sub>T</sub>	Nc <sub>T</sub>	N1 <sub>T</sub>	Ac <sub>T</sub>	Nc <sub>T</sub>	Ac <sub>T</sub>		4a
Uhelekawawa	Stream	EN	2-2- Uhelekawawa		-	-	-	-	V	-		3,5
Wahiawa	Stream	EN	2-3-06	Dry	-	N1	N1	A	N1	A		2,3,5
Wahiawa	Stream	EN	2-3-06	Wet	-	Nc	Nc	Ac	Nc	Ac		2,3,5
Waikoko	Estuary	EE	HIW00162	NA	N	N	N	N	N <sub>T</sub>	NA	NH <sub>4</sub> (N) Chl <i>a</i> (A)	2,4a,5
Waikomo	Stream	EN	2-3-02	Dry	-	Nc	N1	Ac	N1	Ac		2,3,5
Waikomo	Stream	EN	2-3-02	Wet	-	Nc	Nc	Ac	Nc	Ac		2,3,5
Wailua	Stream	EN	2-2-08	Dry	-	Ac	Ac	Ac	N	Ac		2,3,5
Wailua	Stream	EN	2-2-08	Wet	-	-	-	-	-	-		3
Waimea	Stream	EN	2-4-04	Dry	-	A	A	N	N	A		2,3,5
Waimea	Stream	EN	2-4-04	Wet	-	Ac	Ac	Ac	V	Ac		2,3,5
Waimea	Estuary	EE	2-4-04-E	NA	-	-	-	-	V	NA		3,5

**Table 1. KAUAI Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
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	Estuary	EE	HIW00163	NA	N	A	N	N	N <sub>T</sub>	NA	NH <sub>4</sub> (N) Chl <i>a</i> (A)	2,4a,5
Waioli	Stream	EN	2-1-18	Dry	N	A	A	A	N	A		2,3,5
Waioli	Stream	EN	2-1-18	Wet	-	-	-	-	-	-		3
Waiopili	Stream	EN	2-3-99	Dry	-	-	-	-	-	-		3
Waiopili	Stream	EN	2-3-99	Wet	N	-	-	-	N	-		3,5
Waipa	Estuary	EE	HIW00164	NA	N	A	A	N	N <sub>T</sub>	NA	NH <sub>4</sub> (N) Chl <i>a</i> (A)	2,4a,5
Waipa	Stream	EN	2-1-17	Dry	-	A	A	A	N <sub>T</sub>	A <sub>T</sub>		2,3,4a
Waipa	Stream	EN	2-1-17	Wet	-	-	-	-	-	-		3

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **Ac** = attained (with combined seasonal data), **Ac<sub>T</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **Nc** = not attained (with combined seasonal data), **Nc<sub>T</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1c** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 2. KAUAI Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
AAKUKUI WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Pakala (Makaweli)	HI468251	C	Wet	-	-	-	-	-	-	-		3
AEPO WATERSHED	TBD	B	Dry	-	-	-	-	-	-	-		3
*Kukuiula Bay	HI619039	B	Dry	-	-	-	-	-	-	-		3
AEPO WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Spouting Horn Beach Co. Park	HI951651	C	Dry	-	-	-	-	-	-	-		3
ANAHOLA WATERSHED	TBD	C	Wet	<u>A</u>	-	-	-	-	<u>N</u>	-		<u>2,3,5</u>
*Anahola Beach	HI270737	C	Wet	A	-	-	-	-	N	-		2,3,5
HANALEI WATERSHED	TBD	B	Wet	A <sub>T</sub>	-	-	-	-	N <sub>T</sub>	-		2,3,4a
*Hanalei Bay (Landing)	HIW00093	B	Wet	N <sub>T</sub>	-	-	-	-	N <sub>T</sub>	-		3,4a
*Hanalei Bay (Pavilion)	HIW00092	B	Wet	A <sub>T</sub>	-	-	-	-	N <sub>T</sub>	-		2,3,4a
HANAMAULU WATERSHED	TBD	B	Wet	-	-	-	-	-	-	-		3
*Hanama'ulu Bay (Beach)	HI352580	B	Wet	N	-	-	-	-	N	-		3,5
HANAPEPE WATERSHED	TBD	B	Wet	-	A	A	N	A	N	A		2,3,5
*Port Allen Boat Harbor (Port Allen Pier)	HIW00026	B	Wet	-	A	A	N	A	N	A		2,3,5
*Port Allen	HIW00185	C	Wet	-	A	A	A	A	-	A		2,3
KALIIKAI CENTER WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Anini Beach Park	HI418744	C	Wet	A	-	-	-	-	N	-		2,3,5
KALIIHIKA WEST WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Anini Beach	HI338804	C	Wet	-	-	-	-	-	-	-		3
KALIIHIWAI WATERSHED	TBD	C	Wet	A	-	-	-	-	N	-		2,3,5
*Kalihiwai Bay	HI264001	C	Wet	A	-	-	-	-	N	-		2,3,5
KAPAA WATERSHED	TBD	C	Wet	A	-	-	-	-	N	-		2,3,5

**Table 2. KAUAI Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> ,NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
*Kealia	HI402035	C	Wet	A	-	-	-	-	N	-		2,3,5
KAPILIMAO WATERSHED	TBD	C	Dry	<u>A</u>	-	-	-	-	<u>N</u>	-		<u>2,3,5</u>
*Kekaha Beach Co. Park	HI530569	C	Dry	A	-	-	-	-	N	-		2,3,5
*Kikiaola Beach	HI119207	C	Dry	-	-	-	-	-	-	-		3
KAULAULA WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Polihale State Park	HI247403	C	Dry	A	-	-	-	-	N	-		2,3,5
KAUMAKANI WATERSHED	TBD	C	Wet	A	-	-	-	-	N	-		2,3,5
*Salt Pond Beach Co. Park	HI701008	C	Wet	A	A	N	N	A	N	N		2,5
KAWAIOLOA WATERSHED	TBD	C	Wet	A	-	-	-	-	N	-		2,5
*Lydgate Park	HI798758	C	Wet	A	-	-	-	-	N	-		2,3,5
*Nukoli Beach Park	HI502794	C	Wet	A	-	-	-	-	N	-		2,3,5
LAWAI WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Lawa'i Kai	HI434882	C	Wet	-	-	-	-	-	-	-		3
*Palama Beach (Nomilu)	HI665178	C	Wet	-	-	-	-	-	-	-		3
LIMAHULI WATERSHED	TBD	C	Wet	A	-	-	-	-	N	-		2,3,5
*Kee Beach	HI124511	C	Wet	A	-	-	-	-	N	-		2,3,5
LUMAHAI WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Lumaha'i Beach	HI889639	C	Wet	N	-	-	-	-	N	-		3,5
MAHAULEPU WATERSHED	TBD	C	Dry	A	-	-	-	-	N	-		2,3,5
*Gillin's Beach	HI976083	C	Dry	-	-	-	-	-	-	-		3
*Haula Beach	HI277808	C	Dry	-	-	-	-	-	-	-		3
*Kawailoa Beach	HI698776	C	Dry	-	-	-	-	-	-	-		3
*Shipwreck Beach	HI358435	C	Dry	A	-	-	-	-	N	-		2,3,5
MANOA WATERSHED	TBD	C	Wet	A	-	-	-	-	N	-		2,3,5
*Haena Beach Park	HI554189	C	Wet	A	-	-	-	-	N	-		2,3,5
*Tunnels Beach	HI936087	C	Wet	-	-	-	-	-	-	-		3

**Table 2. KAUAI Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

<b>*Watershed Assessment Unit with Individual Water Bodies</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Enterococcus</b>	<b>TN</b>	<b>NO<sub>3</sub>+NO<sub>2</sub></b>	<b>NH<sub>4</sub></b>	<b>TP</b>	<b>Turbidity</b>	<b>Chl <i>a</i></b>	<b>Other Pollutants</b>	<b>Category</b>
MOIKEHA WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Kapa'a Beach Co. Park	HI972832	C	Wet	A	-	-	-	-	N	-		2,3,5
NIU WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Pacific Missile Range Facility/Barking Sands Beach	HI176480	C	Dry	A	A	A	A	A	N	A		2,5
NAWILIWILI WATERSHED	TBD	B	Dry	A	A	N	N	A	N	N		2,5
*Nawiliwili Bay (Kalapaki Beach)	HI758685	B	Dry	A	A	N	N	A	N	N		2,5
*Nawiliwili Bay (Nawiliwili Harbor)	HIW00115	B	Dry	A	A	N	N	A	N	N		2,5
WAHIAWA WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Glass Beach	HI949505	C	Wet	-	-	-	-	-	-	-		3
WAHIAWA WATERSHED	TBD	B	Wet	-	-	-	-	-	-	-		3
*Wahiawa Bay	HI179708	B	Wet	-	-	-	-	-	-	-		3
WAIKAEA WATERSHED	TBD	C	Wet	-	-	-	-	-	N	-		3,5
*Waipouli Beach	HI682678	C	Wet	A	-	-	-	-	N	-		2,3,5
WAIKOMO WATERSHED	TBD	C	Dry	A	-	-	-	-	N	-		2,3,5
*Beach House Beach	HI156238	C	Dry	A	-	-	-	-	N	-		2,3,5
*Brennecke Beach	HI166521	C	Dry	A	-	-	-	-	N	-		2,3,5
*Koloa Landing	HI955435	C	Dry	N	-	-	-	-	N	-		3,5
*Po'ipu Beach Co. Park	HI396850	C	Dry	A	-	-	-	-	N	-		2,3,5
*Prince Kuhio Park	HI742228	C	Dry	-	-	-	-	-	-	-		3
*Sheraton Beach	HI542569	C	Dry	A	-	-	-	-	N	-		2,3,5
*Wai'ohai Beach	HI392082	C	Dry	<u>A</u>	-	-	-	-	<u>N</u>	-		<u>2,3,5</u>
WAILEIA WATERSHED	TBD	B	Wet	-	-	-	-	-	-	-		3
*Princeville	HI520271	B	Wet	-	-	-	-	-	-	-		3
WAILUA WATERSHED	TBD	C	Wet	A	-	-	-	-	N	-		2,3,5
*Wailua (Wailua River Station)	HI606168	C	Wet	A	-	-	-	-	N	-		2,3,5

**Table 2. KAUAI Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> ,NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
WAIMEA WATERSHED	TBD	C	Dry	N	-	-	-	-	N	-		3,5
*Waimea Bay Beach (Near River Station)	HI862821	C	Dry	N	-	-	-	-	-	-		3,5
*Waimea Rec. Pier St. Park	HI245235	C	Dry	N	-	-	-	-	N	-		3,5
WAINIHA WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Kepuhi Beach	HI344813	C	Wet	-	-	-	-	-	-	-		3
*Wainiha Bay	HI417823	C	Wet	-	-	-	-	-	-	-		3
WAIOLI WATERSHED	TBD	B	Wet	A <sub>T</sub>	-	-	-	-	N <sub>T</sub>	-		2,3,4a
*Hanalei Bay (Waioli Beach)	HIW00091	B	Wet	A <sub>T</sub>	-	-	-	-	N <sub>T</sub>	-		2,3,4a
WAIPA WATERSHED	TBD	B	Wet	-	-	-	-	-	-	-		3
*Waikoko Bay	HI330114	B	Wet	-	-	-	-	-	-	-		3

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **A<sub>c</sub>** = attained (with combined seasonal data), **A<sub>cT</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **N<sub>c</sub>** = not attained (with combined seasonal data), **N<sub>cT</sub>** = not attained (with combined data) (TMDL approved for parameter), **NI** = not attained (2x the standard), **NI<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **NI<sub>c</sub>** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 3. KAUAI Marine Waters - Not Associated with a Watershed AU**

Scopes of Assessment Not Associated with Watershed	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
Aliomanu Beach	HI710019	C	Wet	-	-	-	-	-	-	-		3
Donkey Park	HI853903	C	Wet	-	-	-	-	-	-	-		3
Hanakapi'ai Beach	HI797414	C	Wet	-	-	-	-	-	-	-		3
Hanalei Bay Mooring Station	HIW00157	B	Wet	N	-	-	-	-	-	-		3,4a
Hanama'ulu Bay	HIW00063	B	Wet	-	-	-	-	-	N	-		3,5
Hanapepe Bay	HIW00095	B	Wet	-	-	-	-	-	-	-		3
Hanapepe Bay-from breakwater to shore and near shore waters to 30' from Puolo Point to Paakehi Point	HIW00048	B	Wet	-	Y	Y	-	Y	-	-		3,5
Kahili Beach	HI533519	C	Wet	-	-	-	-	-	-	-		3
Kalalau Beach	HI908803	C	Wet	-	-	-	-	-	-	-		3
Kauapea Beach (Secret Beach)	HI669328	C	Wet	-	-	-	-	-	-	-		3
Kikiaola Boat Harbor	HIW00112	B	Dry	-	-	-	-	-	-	-		3
Kipu Kai	HI266627	C	Wet	-	-	-	-	-	-	-		3
Kukuiula Bay	HIW00113	B	Dry	-	-	-	-	-	-	-		3
Larsens Beach	HI860960	C	Wet	-	-	-	-	-	-	-		3
Maha'ulepu Beach	HI533799	C	Dry	-	-	-	-	-	-	-		3
Mana Point	HIW00184	C	Dry	-	N	A	N	A	A	N		2,3,5
Miloli'i	HI333210	C	Dry	-	-	-	-	-	-	-		3
Moloa'a Bay	HI547745	C	Wet	-	-	-	-	-	-	-		3
Na Pali Coast State Park	HI709808	C	Wet	-	-	-	-	-	-	-		3
Nawiliwili Bay (Offshore)	HIW00116	B	Wet	-	-	N	N	-	N	N		3,5
Nawiliwili Bay-from breakwater to shore	HIW00059	B	Dry	-	Y	Y	-	Y	Y	-		3,5
Nu'alolo	HI945520	C	Wet	-	-	-	-	-	-	-		3
Pacific Missile Range Facility (Open Coastal)	HIW00212	C	Dry	-	A	A	<u>A</u>	A	<u>N</u>	<u>N</u>		2,3,5
Papa'a Bay	HI130639	C	Wet	-	-	-	-	-	-	-		3
Pila'a Beach	HI363048	C	Wet	-	-	-	-	-	-	-		3



**Table 3. KAUAI Marine Waters - Not Associated with a Watershed AU**

Scopes of Assessment Not Associated with Watershed	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
Port Allen Boat Harbor	HIW00120	B	Wet	-	-	-	-	-	-	-		3
Wahiawa Bay	HIW00121	B	Wet	-	-	-	-	-	-	-		3
Waiakalua Iki Beach	HI505816	C	Wet	-	-	-	-	-	-	-		3
Waiakalua Nui Beach	HI371632	C	Wet	-	-	-	-	-	-	-		3
Wailua (Open Coastal)	HIW00215	C	Wet	<b>A</b>	<b>A</b>	<b><u>N</u></b>	<b><u>N</u></b>	<b>A</b>	<b><u>N</u></b>	<b><u>A</u></b>		2,5
Waimea Bay Beach-near shore waters to 18' from Kekaha Oomano Point-1.5 miles SE of Mahinaui Stream	HIW00057	C	Dry	-	-	-	-	-	Y	-	TSS	3,5

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **A<sub>c</sub>** = attained (with combined seasonal data), **A<sub>cT</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **N<sub>c</sub>** = not attained (with combined seasonal data), **N<sub>cT</sub>** = not attained (with combined data) (TMDL approved for parameter), **NI** = not attained (2x the standard), **NI<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **NI<sub>c</sub>** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 4. OAHU Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
Ahuimanu	Stream	EN	3-2-07.03	Wet	N	-	-	-	N	-		3,5
Ahuimanu	Stream	EN	3-2-07.03	Dry	N	-	-	-	N	-		3,5
Aiea	Stream	EN	3-4-03	Wet	-	N1c	N1c	-	V	-	Trash	3,5
Aiea	Stream	EN	3-4-03	Dry	-	N1c	N1c	-	V	-	Trash	3,5
Ala Wai Canal & Boat Harbor	Estuary	EE	HIW00050	NA	V	V <sub>T</sub>	V	V <sub>T</sub>	V	NA	NH <sub>4</sub> (-) Chl <i>a</i> (-), Pathogens, Metals, TSS (V), Organochlorine Pesticides, Lead, Fish Consumption Advisory	3,4a,5
Ala Wai Canal & Harbor (Canal-Diamond Head Stn)	Estuary	EE	HIW00085	NA	N	N	-	N	N	NA	NH <sub>4</sub> (-), Chl <i>a</i> (N)	3,5
Ala Wai Canal & Harbor (Manoa & Palolo KHS Stn)	Estuary	EE	HIW00036	NA	-	N	-	N	N	NA	NH <sub>4</sub> (-), Chl <i>a</i> (N)	3,5
Ala Wai Canal & Harobr (Manoa Stream Fork Stn)	Estuary	EE	HIW00035	NA	-	N	-	-	N	NA	NH <sub>4</sub> (-), Chl <i>a</i> (-), <i>Fecal</i>	3,5
Ala Wai Canal & Harbor (Manoa-Palolo Stream Mouth Stn)	Estuary	EE	HIW00087	NA	-	N	-	N	N	NA	NH <sub>4</sub> (-), Chl <i>a</i> (N)	3,5
Ala Wai Canal & Harbor (McCully Bridge Stn)	Estuary	EE	HIW00086	NA	N	-	-	-	-	NA	NH <sub>4</sub> (-) Chl <i>a</i> (-)	3,5
Ala Wai Canal & Harbor (Palolo Stream Fork)	Estuary	EE	HIW00034	NA	-	N	-	-	N	NA	NH <sub>4</sub> (-) Chl <i>a</i> (-), <i>Fecal</i>	3,5
Anahulu	Estuary	EE	3-6-08-E		-	V	V	V	V	-		3,5
Halawa	Stream	EN	3-4-02		-	V	V	V	V	-		3,5
Hammer Point	Estuary (P)	EN	HIW00188	NA	A	-	-	-	-	NA	NH <sub>4</sub> (-) Chl <i>a</i> (-)	2,3

**Table 4. OAHU Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
Heeia	Stream	EN	3-2-08	Dry	-	N	N	A	A	A		2,3,5
Heeia	Stream	EN	3-2-08	Wet	-	A	A	A	A	A		2,3
Helemano	Stream	EN	3-6-07.02		-	V	V	V	V	-		3,5
Honouliuli	Stream	EN	3-4-11		-	-	-	-	-	-		3
Iroquois Point	Estuary (P)	EE	HI412839	NA	A	-	-	-	-	NA	NH <sub>4</sub> (-) Chl a(-)	2,3
Kaaawa	Stream	EN	3-1-19		-	V	V	V	V	-		3,5
Kaalaea	Stream	EN	3-2-05	Dry	-	N	N	A	N	A		2,3,5
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
Kaelepulu Stream-Kailua Beach	Estuary	EE	HIW00182	NA	N	N	-	N	N	NA	NH <sub>4</sub> (-) Chl a(N)	3,5
Kahaluu	Estuary	EE	3-2-07-E		N	-	-	-	N	-		3,5
Kahaluu	Stream	EN	3-2-07.02	Dry	N	A	N	A	N	A		2,5
Kahaluu	Stream	EN	3-2-07.02	Wet	N	-	-	-	A	-		2,3,5
Kahana	Stream	EN	3-1-18	Dry	-	A	N	A	N	A		2,3,5
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
Kaipapau	Stream	EN	3-1-10		-	-	-	-	-	-		3
Kalauao	Stream	EN	3-4-04-01	Dry	-	N1	N1	-	N	-		3,5
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
Kalihi	Stream	EN	3-3-11	Wet	-	N	N	A	A	A	Trash	2,3,5
Kaluanui	Stream	EN	3-1-13		-	-	-	-	-	-		3
Kamooalii (Trib to Kaneohe Stream)	Stream	Kamooalii Trib	3-2-10.01	Dry	-	V <sub>T</sub>	V	V <sub>T</sub>	N	-		3,4a
Kamooalii (Trib to Kaneohe Stream)	Stream	Kamooalii Trib	3-2-10.01	Wet	-	V <sub>T</sub>	V	V <sub>T</sub>	-	-		3,4a
Kaneohe	Stream	EN	3-2-10	Dry	-	V <sub>T</sub>	V <sub>T</sub>	V <sub>T</sub>	N <sub>T</sub>	- <sub>T</sub>	Dieldrin	3,4a,5

**Table 4. OAHU Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
Kaneohe	Stream	EN	3-2-10	Wet	-	V <sub>T</sub>	V <sub>T</sub>	V <sub>T</sub>	N <sub>T</sub>	- <sub>T</sub>	Dieldrin	3,4a,5
Kapaa	Stream	EN	3-2-13-Kapaa		-	V <sub>T</sub>	V	V <sub>T</sub>	V	V <sub>T</sub>	Metals, Lead	3,4a,5
Kapakahi	Stream	EN	3-4-Kapakahi	Wet	-	N	N	N	-	-	Trash	3,5
Kapakahi	Stream	EN	3-4-Kapakahi	Dry	-	-	-	-	V	-	Trash	3,5
Kapalama	Stream	EN	3-3-10		-	V	V	V	V	-	Trash	3,5
Kaukonahua	Stream	EN	3-6-06.02	Dry	-	N	N	A	N1	A		2,3,5
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 <sub>T</sub>	A	A	V <sub>T</sub>	A		2,3,4a
Kaukonahua (S Fork)	Stream	EN	3-6-06.02.1		-	V <sub>T</sub>	A	A	V <sub>T</sub>	A		2,3,4a
Kaupuni	Stream	EN	3-5-05		-	V	V	V	V	-	Trash	3,5
Kawa	Stream	EN	3-2-11		-	V <sub>T</sub>	V	V <sub>T</sub>	V	V <sub>T</sub>		3,4a
Kawailoa	Stream	EN	3-6-08.01		-	V	V	V	V	-		3,5
Kawainui	Stream	EN	3-2-13		-	-	-	-	-	-		3
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
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
Manoa	Stream	EN	3-3-07.01		-	V	V	V	V	-	Dieldrin, Chlordane	3,5
Maunawili	Stream	EN	3-2-13.01		-	V	V	V	V	-	Trash	3,5
Moanalua	Stream	EN	3-3-12.01	Dry	-	Nc	Ac	Ac	N1	Ac	Trash	2,3,5
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

**Table 4. OAHU Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
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
Palolo	Stream	EN	3-3-07.01.1		-	-	-	-	-	-	Trash	3,5
Paukauila	Estuary	EE	3-6-07-E		-	V	V	V	V	-		3,5
Pearl Harbor	Estuary (P)	EE	HIW00006	NA	-	N	-	N	A		NH <sub>4</sub> (-), Chl <i>a</i> (N)	2,3,5
Pearl Harbor-harbor waters and near shore waters to 30' from Keehi Lagoon to Oneula Beach	Estuary (P)	EE	HIW00119	NA	-	Y	Y	Y	N	NA	NH <sub>4</sub> (-), Chl <i>a</i> (-), TSS (Y), PCBs, Fish Consumption Advisory	3,5
Poamoho	Stream	EN	3-6-06.01		-	V	V	V	V	-		3,5
Punaluu	Stream	EN	3-1-16	Dry	-	A	A	A	A	A		2,3
Punaluu	Stream	EN	3-1-16	Wet	-	A	Ac	A	A	A		2,3
Salt Lake	Lake	EL	3-3-12-Salt Lake		-	-	-	-	N	-	Trash	3,5
Wahiawa Reservoir	Reservoir	ER	3-6-06.02-R		-	V	V	V	V	-		3,5
Waiahole	Stream	EN	3-2-04	Dry	N	A	N	N	N	A		2,5
Waiahole	Stream	EN	3-2-04	Wet	N	Ac	Nc	Ac	A	Ac		2,5
Waiawa	Stream	EN	3-4-06	Wet	-	A	A	A	V	A	Trash	2,3,5
Waiawa	Stream	EN	3-4-06	Dry	-	V	V	V	V	-	Trash	3,5
Waihee	Stream	EN	3-2-07.01	Wet	N	V	V	V	A	-		2,3,5
Waihee	Stream	EN	3-2-07.01	Dry	N	N	N	A	N	A		2,5
Waikane	Stream	EN	3-2-02	Dry	-	A	N	A	A	A		2,3,5
Waikane	Stream	EN	3-2-02	Wet	-	Ac	Nc	Ac	Ac	Ac		2,3,5
Waikele	Stream	EN	3-4-10	Dry	-	<u>NI<sub>T</sub></u>	<u>NI<sub>T</sub></u>	-	-	-		3, <u>4a</u>
Waikele	Stream	EN	3-4-10	Wet	-	<u>NI<sub>T</sub></u>	<u>NI<sub>T</sub></u>	-	N	-		3, <u>4a</u> , 5
Wailele	Stream	EN	3-1-08	Wet	-	-	-	-	N1	-		3,5

**Table 4. OAHU Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
Waimalu	Stream	EN	3-4-05	Wet	-	-	-	-	N1	-		3,5
Waimanalo	Stream	EN	3-2-15		-	V <sub>T</sub>	V <sub>T</sub>	V <sub>T</sub>	V <sub>T</sub>	V <sub>T</sub>		3,4a
Waimano	Stream	EN	3-4-06.01		-	-	-	-	V	-		3,5
Waiola	Stream	EN	3-2-07.04	Wet	-	-	-	-	V	-		3,5
Waiola	Stream	EN	3-2-07.04	Dry	-	-	-	-	V	-		3,5

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **A<sub>c</sub>** = attained (with combined seasonal data), **A<sub>cT</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **N<sub>c</sub>** = not attained (with combined seasonal data), **N<sub>cT</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1<sub>c</sub>** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 5. OAHU Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
ALA WAI WATERSHED Ala Moana to Kuhio	TBD	C	Wet	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>A</u>		2,5
*Ala Moana Beach (Center)	HI882094	C	Wet	A	A	A	A	A	N	N		2,5
*Ala Moana Beach (Diamond Head)	HI306071	C	Wet	A	A	A	N	A	N	N		2,5
*Ala Moana Beach (Ewa)	HI473893	C	Wet	A	-	-	-	-	-	-		2,3
*Fort DeRussy Beach	HI045715	C	Wet	A	-	-	-	-	-	-		2,3
*Gray's Beach	HI941499	C	Wet	A	N	-	-	-	N	N		2,3,5
*Kahanamoku Beach	HI366432	C	Wet	A	A	A	A	A	N	N		2,5
*Kahanamoku Lagoon	HIW00003	C	Wet	N	-	-	-	-	-	-		3,5
*Magic Island	HI529142	C	Wet	A	-	-	-	-	N	-		2,3,5
*Point Panic	HI197311	C	Wet	A	-	-	-	-	-	-		2,3
*Royal-Moana Beach	HI898947	C	Wet	A	A	N	N	A	N	N		2,5
*Waikiki Beach Center	HI244505	C	Wet	A	-	-	-	-	<u>N</u>	-		2,3, <u>5</u>
ALA WAI WATERSHED Kuhio to Tonggs	TBD	C	Dry	<u>A</u>	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>N</u>		2,5
*Kapi'olani Park	HI733929	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3, <u>5</u>
*Kuhio Beach	HI681782	C	Dry	A	A	N	N	A	N	N		2,5
*Kuhio Beach (Public Bath)	HI851298	C	Dry	A	A	A	N	A	N	N		2,5
*Outrigger Canoe Club Beach	HI943325	C	Dry	A	-	-	-	-	-	-		2,3
*Sans Souci	HI617815	C	Dry	A	N	N	N	A	N	N		2,5
*Tongg's	HI248913	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3, <u>5</u>
*War Memorial Natatorium	HI624259	C	Dry	-	-	-	-	-	-	-		3
ANA HULU WATERSHED	TBD	B	Wet	A	-	-	-	-	N	-		2,3,5
*Waialua Bay	HI451176	B	Wet	A	-	-	-	-	N	-		2,3,5
H A H A I O N E WATERSHED	TBD	B	Dry	-	-	-	-	-	-	-		3
*Maunalua Bay Beach Park	HI430267	B	Dry	A	-	-	-	-	-	-		2,3

**Table 5. OAHU Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
HANAUMA WATERSHED	TBD	B	Dry	A	-	-	-	-	N	-		2,3,5
*Hanauma Bay (Beach)	HI451471	B	Dry	A	A	N	N	A	N	A		2,5
HEEIA WATERSHED	TBD	B	Wet	-	-	-	-	-	-	-		3
*Heeia Kea Small Boat Harbor	HIW00097	B	Wet	A	N	-	-	-	-	N		2,3,5
KAAAWA WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Kaaawa Beach Park	HI580360	C	Wet	A	-	-	-	-	-	-		2,3
*Kalae oio Beach Park	HI860454	C	Wet	-	-	-	-	-	-	-		3
*Kananelu Beach	HI196120	C	Wet	A	-	-	-	-	-	-		2,3
KAELEPULU WATERSHED	TBD	C	Wet	A	-	-	-	-	N	-		2,3,5
*Kailua Beach Park	HI482719	C	Wet	A	A	A	N	A	N	N		2,5
*Lanikai Beach	HI596989	C	Wet	A	-	-	-	-	N	-		2,3,5
*Lanikai Boat Ramp	HIW00193	C	Wet	A	-	-	-	-	-	-		2,3
KALOI WATERSHED	TBD	C	Wet	A	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	N	<u>N</u>		2,5
*Barbers Point Beach Co. Park	HI593573	C	Wet	-	-	-	-	-	-	-		3
*Ewa Beach	HI767464	C	Wet	A	-	-	-	-	<u>N</u>	-		2,3, <u>5</u>
*Ewa Beach Park	HI319095	C	Wet	A	A	A	N	A	N	N		2,5
*Nimitz Beach	HI682233	C	Wet	A	-	-	-	-	<u>N</u>	-		2,3, <u>5</u>
*Ocean Pointe C	HIW00132	C	Wet	-	A	A	A	A	<u>N</u>	N		2,3,5
*Ocean Pointe Control	HIW00129	C	Wet	-	A	A	A	A	N	N		2,3,5
*Ocean Pointe E	HIW00130	C	Wet	-	A	A	A	A	<u>N</u>	N		2,3,5
*Ocean Pointe W	HIW00131	C	Wet	-	A	A	A	A	N	N		2,3,5
*Ocean Pointe KA	HIW00210	C	Wet	-	A	A	A	A	N	N		2,3,5
*Ocean Pointe PR	HIW00211	C	Wet	-	A	A	A	A	A	N		2,3,5
*Oneula Beach Park	HI825419	C	Wet	A	-	-	-	-	<u>N</u>	-		2,3, <u>5</u>
*White Plains Beach	HI267023	C	Wet	A	-	-	-	-	N	-		2,3,5
KAHALUU WATERSHED	TBD	B	Wet	-	-	-	-	-	-	-		3



**Table 5. OAHU Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
*Laenani Beach Co. Park	HI930562	B	Wet	N	-	-	-	-	-	-		3,5
KAHANA WATERSHED	TBD	B	Wet	-	-	-	-	-	-	-		3
*Kahana Bay Park	HIW00102	B	Wet	N	N	-	-	N	N	-		3,5
KAHAWAI WATERSHED Wet	TBD	C	Wet	A	-	-	-	-	N	-		2,3,5
*Bellows Field Beach Co. Park (Waimanalo Stream Mouth)	HIW00081	C	Wet	<u>A</u>	A	N	N	N	<u>N</u>	N		2,5
KAHAWAI WATERSHED Dry	TBD	C	Dry	A	-	-	-	-	N	-		2,3,5
*Kaiona Beach	HI234342	C	Dry	A	-	-	-	-	-	-		2,3
*Waimanalo Bay St. Rec. Area (Park)	HI279194	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3,5
*Waimanalo Bay Station (Waimanalo Beach Co. Park North)	HIW00175	C	Dry	A	-	-	-	-	-	-		2,3
*Waimanalo Beach Co. Park (South)	HIW00174	C	Dry	A	N	N	N	A	N	N		2,5
KAHAWAINUI WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Laie Bay	HI472847	C	Dry	A	N	-	-	N	N	N		2,3,5
KAIPAPAU WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Kaipapa'u Beach	HI787959	C	Dry	A	-	-	-	-	-	-		2,3
KALUAKAUILA WATERSHED	TBD	C	Dry	-	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>A</u>		2,3,5
*Ka'ena Point	HI645485	C	Dry	A	-	-	-	-	-	-		2,3
*Yokohama Bay	HI269028	C	Dry	A	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>A</u>		2,5
KALUNAWAIKAALA WATERSHED	TBD	C	Wet	<u>A</u>	-	-	-	-	<u>N</u>	-		2,3,5
*Pupukea Beach Co. Park	HI193495	C	Wet	A	-	-	-	-	<u>N</u>	-		2,3,5

**Table 5. OAHU Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
KAMAILEUNU WATERSHED	TBD	C	Dry	A	-	-	-	-	-	-		2,3
*Mauna Lahilahi Beach	HI639551	C	Dry	A	-	-	-	-	-	-		2,3
KAMILONUI WATERSHED	TBD	B	Dry	-	-	-	-	-	-	-		3
*Hawaii Kai Station	HIW00117	B	Dry	A	-	-	-	-	-	-		2,3
KAUPUNI WATERSHED Pokai Bay	TBD	B	Dry	<u>A</u>	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>N</u>		<u>2,5</u>
*Pokai Bay	HI659533	B	Dry	A	A	N	N	A	N	N		2,5
*Waianae Regional Park	HI668527	B	Dry	-	-	-	-	-	-	-		3
KAUPUNI WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		<u>3</u>
*Waianae Kai	HI944962	C	Dry	-	-	-	-	-	-	-		3
KAWA WATERSHED	TBD	B	Wet	-	-	-	-	-	-	-		3
*Kaneohe Bay at Kualoa	HI272280	B	Wet	-	-	-	-	-	-	-		3
KAWAIHAPAI WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Camp Harold Erdman	HI309544	C	Dry	-	-	-	-	-	-	-		3
*Kealia Beach	HI612698	C	Dry	A	-	-	-	-	-	-		2,3
*Mokule'ia Beach Co. Park	HI220308	C	Dry	A	-	-	-	-	-	-		2,3
KAWAINUI WATERSHED	TBD	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3,5
*Fort Hase Beach	HI410735	C	Dry	A	-	-	-	-	-	-		2,3
*Kalama Beach	HI071892	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3,5
*Kapoho Point	HIW00192	C	Dry	<u>A</u>	-	-	-	-	-	-		2,3
*North Beach	HI426406	C	Dry	A	-	-	-	-	-	-		2,3
*Oneawa Beach	HI952205	C	Dry	A	N	-	-	N	N	N		2,3,5
KAWELA WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Kawela Bay	HI698581	C	Dry	A	N	-	-	N	N	N		2,3,5
*Turtle Bay	HI776670	C	Dry	A	-	-	-	-	-	-		2,3

**Table 5. OAHU Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
KEAMANEA WATERSHED	TBD	C	Wet	A	-	-	-	-	N	-		2,3,5
*Chun's Reef	HI950962	C	Wet	A	-	-	-	-	N	-		2,3,5
*Kawailoa Beach	HI312049	C	Wet	-	-	-	-	-	-	-		3
*Laniakea Beach	HI183312	C	Wet	A	-	-	-	-	<u>N</u>	-		2,3, <u>5</u>
*Papa'iloa Beach	HI478834	C	Wet	A	-	-	-	-	-	-		2,3
KEEAU WATERSHED	TBD	C	Dry	-	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>N</u>		2,3,5
*Kea'au Beach Co. Park	HI730738	C	Dry	A	-	-	-	-	-	-		2,3
*Ohikilolo Beach (Barking Sands)	HI731423	C	Dry	A	-	-	-	-	-	-		2,3
KOKO CRATER WATERSHED	TBD	C	Dry	A	-	-	-	-	N	-		2,3,5
*Halona Cove	HI132946	C	Dry	A	-	-	-	-	-	-		2,3
*Kaloko (Queens) Beach	HI353985	C	Dry	A	-	-	-	-	-	-		2,3
*Sandy Beach	HI776760	C	Dry	A	N	N	N	A	N	N		2,5
*Wawamalu Beach Park	HI329454	C	Dry	A	-	-	-	-	-	-		2,3
KOLOA WATERSHED	TBD	C	Dry	<u>A</u>	-	-	-	-	<u>N</u>	-		2,3,5
*Kokololio Beach	HI767708	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3,5
*Pounders Beach	HI587568	C	Dry	A	-	-	-	-	-	-		2,3
KUALOA WATERSHED	TBD	C	Wet	A	-	-	-	-	N	-		2,3,5
*Kualoa Co. Regional Park	HI848207	C	Wet	A	N	N	N	A	N	N		2,5
*Kualoa Sugar Mill Beach	HI484535	C	Wet	A	-	-	-	-	-	-		2,3
KULIOUOU WATERSHED	TBD	B	Dry	-	-	-	-	-	-	-		3
*Kuli'ou'ou	HI360513	B	Dry	N	-	-	-	-	-	-		3,5
*Paiko Lagoon	HI598745	B	Dry	-	-	-	-	-	-	-		3
LOKO EA	TBD	B	Wet	-	-	-	-	-	-	-		3
*Haleiwa Beach Park	HI994019	B	Wet	A	N	-	-	N	-	N		2,3,5

**Table 5. OAHU Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
MAAKUA WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Aukai Beach Co. Park	HI145110	C	Dry	A	-	-	-	-	-	-		2,3
*Hauula Beach Park	HI854492	C	Dry	A	-	-	-	-	-	-		2,3
MAILI WATERSHED	TBD	C	Dry	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	<u>N</u>		2,5
*Lualualei Beach Co. Park	HI800877	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3,5
*Ma'ili Beach Park	HI627464	C	Dry	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	<u>N</u>		2,5
*Maipalaoa Beach	HI280966	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3, <u>5</u>
MAKAHA WATERSHED	TBD	C	Dry	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	<u>N</u>		2,5
*Laukinui Beach	HI739818	C	Dry	A	-	-	-	-	-	-		2,3
*Makaha Beach	HI632106	C	Dry	A	A	N	N	A	N	N		2,5
*Papaoneone Beach	HI990625	C	Dry	A	-	-	-	-	-	-		2,3
MAKAIWA WATERSHED	TBD	C	Dry	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>N</u>		2,5
*Hawaiian Electric Beach Park	HI628972	C	Dry	A	-	-	-	-	-	-		2,3
*Kahe Point Beach Co. Park	HI548986	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3, <u>5</u>
*Manner's Beach	HI717740	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3, <u>5</u>
MAKAIWA WATERSHED KO'OLINA	TBD	B	Dry	A	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	<u>A</u>		2,5
*Ihilani Honu Lagoon	HI815093	B	Dry	A	-	-	-	-	-	-		2,3
*Ihilani Kohola Lagoon	HI515191	B	Dry	A	-	-	-	-	N	-		2,3,5
*Ihilani Naia Lagoon	HI685981	B	Dry	A	-	-	-	-	-	-		2,3
*Ihilani Ulua Lagoon	HI550240	B	Dry	A	-	-	-	-	-	-		2,3
MAKAPUU WATERSHED	TBD	C	Dry	A	-	-	-	-	N	-		2,3,5
*Makapuu Beach	HI723399	C	Dry	A	-	-	-	-	N	-		2,3,5
*Kaupo Beach Co. Park	HI791127	C	Dry	A	-	-	-	-	-	-		2,3
MAKAUA WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Makaua Beach Co. Park	HI542752	C	Wet	-	-	-	-	-	-	-		3

**Table 5. OAHU Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
*Swanzy Beach Co. Park	HI151343	C	Wet	A	-	-	-	-	-	-		2,3
MALAEKAHANA WATERSHED	TBD	C	Dry	<u>A</u>	-	-	-	-	<u>N</u>	-		<u>2,3,5</u>
*Kahuku Golf Course	HI989341	C	Dry	-	-	-	-	-	-	-		3
*Malaekahana State Park	HI137325	C	Dry	A	-	-	-	-	N	-		2,3,5
MAKUA WATERSHED	TBD	C	Dry	-	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>A</u>		2,3,5
*Makua Beach	HI915061	C	Dry	A	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>A</u>		2,5
MOANALUA WATERSHED	TBD	B	Wet	N	-	-	-	-	N	-		3,5
*Keehi Lagoon	HIW00009	B	Wet	N	-	-	-	-	-	-		3,5
*Keehi Lagoon (Point X)	HIW00010	B	Wet	N	N	-	-	N	-	N		3,5
NANAKULI WATERSHED	TBD	C	Dry	A	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	N	<u>A</u>		2,5
*Depot Beach	HIW00218	C	Dry	-	-	-	-	-	-	-		3
*Pohakunui Cove	HIW00219	C	Dry	-	-	-	-	-	-	-		3
*Nanakuli Beach Park	HI467413	C	Dry	A	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	<u>N</u>		2,5
NIU WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Niu	HI157026	C	Dry	-	-	-	-	-	-	-		3
NUUANU WATERSHED	TBD	C	Wet	A	-	-	-	-	-	-		2,3
*Kakaako Waterfront	HI302297	C	Wet	A	-	-	-	-	-	-		2,3
*Sand Island (Shoreline)	HI714359	C	Wet	A	A	N	A	A	N	N		2,5
OIO WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Kaihalulu Beach	HI668562	C	Dry	A	-	-	-	-	-	-		2,3
*Kuilima Cove	HI412224	C	Dry	A	-	-	-	-	-	-		2,3
PAKULENA WATERSHED	TBD	C	Dry	<u>A</u>	-	-	-	-	<u>N</u>	-		2,3,5
*Banzai Beach	HI908378	C	Dry	-	-	-	-	-	-	-		3

**Table 5. OAHU Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
*Pipeline, The	HI188157	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3,5
PAPAAKOKO WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Kaluanui Beach	HI410842	C	Dry	-	-	-	-	-	-	-		3
PAUKAUILA WATERSHED	TBD	B	Wet	-	-	-	-	-	-	-		3
*Kaiaka Bay	HIW00106	B	Wet	N	N	N	N	-	N	N		3,5
PAUMALU WATERSHED	TBD	C	Dry	A	-	-	-	-	N	-		2,3,5
*Ehukai Beach Co. Park	HI531535	C	Dry	A	-	-	-	-	-	-		2,3
*Kaunala Beach	HI622160	C	Dry	A	-	-	-	-	-	-		2,3
*Pahipahi'alua Beach	HI575467	C	Dry	A	-	-	-	-	-	-		2,3
*Sunset Beach	HI860544	C	Dry	A	A	N	N	A	N	N		2,5
*Waiale'e	HI109657	C	Dry	A	-	-	-	-	-	-		2,3
PORTLOCK WATERSHED	TBD	B	Dry	-	-	-	-	-	-	-		3
*Koke'e Beach Park	HI147970	B	Dry	A	-	-	-	-	-	-		2,3
*Koko Kai Beach Park	HI467112	B	Dry	A	-	-	-	-	-	-		2,3
PUNALUU WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Punaluu Beach Park	HI148836	C	Wet	N	-	-	-	-	-	-		3,5
ULEHAWA WATERSHED	TBD	C	Dry	-	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>N</u>		<u>2,3,5</u>
*Nanaikapono Beach	HI504242	C	Dry	A	-	-	-	-	-	-		2,3
*Pu'uohulu Beach	HI960731	C	Dry	A	-	-	-	-	-	-		2,3
*Ulehawa Beach	HI784010	C	Dry	A	-	-	-	-	-	-		2,3
WAIALAENUI WATERSHED	TBD	C	Dry	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>N</u>		2,5
*Diamond Head	HI544313	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3,5
*Ka'alawai Beach	HI253930	C	Dry	N	-	-	-	-	-	-		3,5
*Kahala Beach Shoreline	HI514582	C	Dry	A	-	-	-	-	-	-		2,3
*Kaluahole Beach	HI391176	C	Dry	A	-	-	-	-	-	-		2,3
*Kuilei Cliffs	HI431723	C	Dry	A	-	-	-	-	-	-		2,3

**Table 5. OAHU Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
*Waialae Beach Co. Park	HI997368	C	Dry	A	-	-	-	-	-	-		2,3
WAIALUA WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Mokule'ia Beach	HI908786	C	Dry	-	-	-	-	-	-	-		3
*Pu'uiki	HI437024	C	Dry	A	-	-	-	-	-	-		2,3
WAILELE WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Laniloa Peninsula (Beach)	HI201901	C	Dry	A	-	-	-	-	-	-		2,3
WAILUPE WATERSHED	TBD	C	Dry	<u>A</u>	-	-	-	-	<u>N</u>	-		2,3,5
*Kahala Hilton Beach	HI173325	C	Dry	A	-	-	-	-	<u>N</u>	-		2,3,5
*Kawaiku'i Beach Park	HI304424	C	Dry	A	-	-	-	-	-	-		2,3
*Wailupe Beach Park	HI432476	C	Dry	-	-	-	-	-	-	-		3
WAIMANALO WATERSHED	TBD	C	Wet	A	A	A	N	A	N	A		2,5
*Bellows Field Beach Co. Park (N. Runway)	HI798011	C	Wet	A	A	A	N	A	N	A		2,5
WAIMEA WATERSHED	TBD	C	Wet	A	-	-	-	-	N	-		2,3,5
*Kapaehoa Beach	HI904851	C	Wet	-	-	-	-	-	-	-		3
*Waimea Bay	HI696599	C	Wet	A	-	-	-	-	N	-		2,3,5
WAIPUHI WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Makao Beach	HI147212	C	Dry	A	-	-	-	-	-	-		2,3

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **A<sub>c</sub>** = attained (with combined seasonal data), **A<sub>cT</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **N<sub>c</sub>** = not attained (with combined seasonal data), **N<sub>cT</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1<sub>c</sub>** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 6. OAHU Marine Waters - Not Associated with a Watershed AU**

Scopes of Assessment Not Associated with Watershed	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
Ala Wai Boat Harbor (Ala Moana Bridge Station)	HIW00125	B	Wet	N	N	-	-	N	N	N		3,5
Campbell Industrial	HIW00187	C	Dry	-	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>		2,3,5
Ewa (Open Coastal)	HIW00189	C	Wet	A	A	A	A	A	A	A		2
Hanaka'ilio Beach	HI646411	C	Dry	-	-	-	-	-	-	-		3
Hanauma Bay (Oceanic)	HIW00017	O	NA	-	-	N	N	-	-	N		3,5
Barbers Point Harbor	HIW00088	B	Dry	-	-	-	-	-	-	-		3
Haleiwa Boat Harbor	HIW00127	B	Wet	-	-	-	-	-	-	-		3
Hanauma Bay	HIW00058	B	Dry	-	-	-	-	-	-	-	Trash	3,5
Honolulu Generating Station	HIW00217	B	Wet	-	-	<u>A</u>	<u>A</u>	-	<u>A</u>	-		2,3
Honolulu Harbor	HIW00100	B	Wet	-	-	-	-	-	-	-		3
Honolulu Harbor & Shore Area-Honolulu Waterfront-Aloha Tower	HIW00061	B	Wet	-	-	A	N	-	A	-	Trash	2,3,5
Honolulu Harbor & Shore Area-Kewalo Basin	HIW00051	B	Wet	-	Y	Y	-	Y	N	-	TSS (Y), Trash	3,5
Honolulu Harbor-near shore waters to 30' from one mile NW of Honolulu Harbor/Sand Island Channel to Waikiki Beach	HIW00049	B	Wet	Y	Y	Y	-	Y	N	-	Pathogens, Metals, TSS (Y)	3,5
Kahana Bay-near shore waters to 30' from Mahie Point to a point one mile north of Kahana Bay Station	HIW00062	B	Wet	-	-	-	-	-	N	-	TSS (Y)	3,5
Kahana Park	HIW00103	B	Wet	N	-	-	-	-	-	-		3,5



**Table 6. OAHU Marine Waters - Not Associated with a Watershed AU**

Scopes of Assessment Not Associated with Watershed	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
Kahe Point (Open Coastal)	HIW00214	C	Dry	-	<u>A</u>	N	<u>N</u>	-	-	-		<u>2,3,5</u>
Kailua Bay (Open Coastal)	HIW00194	C	Dry	A	A	A	<u>A</u>	A	A	<u>N</u>		2,5
Kaneohe Bay (Beach Park)	HIW00004	B	Wet	-	N	-	-	N	N	N		3,5
Kaneohe Bay (Central Region)	HIW00013	B	Wet	-	N	N	N	-	N	-		3,5
Kaneohe Bay (Kokokahi Pier)	HIW00005	B	Wet	N	N	-	-	N	N	N		3,5
Kaneohe Bay (Northern Region)	HIW00012	B	Wet	-	N	N	N	-	N	-		3,5
Kaneohe Bay (Southern Region)	HIW00011	B	Wet	N	N	N	N	-	N	-		3,5
Kaneohe Bay-near shore waters at mouths of Kaneohe and Kawa Streams	HIW00054	B	Wet	-	Y	Y	-	Y	N	-	TSS (Y)	3,5
Keehi Lagoon waters and near shore waters to 30' from lagoon mouth to Pearl Harbor	HIW00055	B	Wet	-	Y	Y	-	Y	N	-	TSS (Y)	3,5
Kewalo Basin	HIW00126	C	Wet	-	N	-	-	N	N	N		3,5
Ko Olina	HIW00089	B	Dry	-	-	-	-	-	-	-		3
Kuilei Cliffs Beach Park	HIW00064	C	Dry	-	-	-	-	-	-	-		3
Makaua Beach Co. Park	HIW00066	C	Wet	-	-	-	-	-	-	-		3
Mamala Bay (Fort Kamehameha Offshore)	HIW00190	C	Wet	-	A	A	A	A	A	N		2,3,5

**Table 6. OAHU Marine Waters - Not Associated with a Watershed AU**

Scopes of Assessment Not Associated with Watershed	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
Mamala Bay (Sand Island Offshore)	HIW00014	C	Wet	A	A	A	A	A	A	A		2
Mamala Bay (Oceanic)	HIW00015	O	NA	-	N	-	-	-	-	N		3,5
Maunalua Bay	HI423413	C	Dry	-	<u>A</u>	<u>A</u>	N	<u>A</u>	<u>N</u>	N		2,3,5
Mikilua Beach Park	HIW00186	C	Dry	A	-	-	-	-	-	-		2,3
Paiko Peninsula to Koko Head	HIW00118	B	Dry	-	-	-	-	-	-	-		3
Pokai Bay (Oceanic)	HIW00019	O	NA	-	N	-	-	-	-	N		3,5
Pokai Bay (Open Coastal)	HIW00018	C	Dry	A	A	A	A	A	N	A		2,5
Queen's Surf Beach Park	HIW00069	C	Dry	-	-	-	-	-	-	-		3
Sand Island Point #3	HIW00181	C	Wet	-	N	-	-	-	N	N		3,5
Sandy Beach (Open Coastal)	HIW00191	C	Dry	-	A	A	A	A	A	<u>N</u>		2,3,5
Waialua/Kaiaka Bays near shore waters to 60' from Puaena Point to a point 1.5 miles W of Kaiaka Point	HIW00083	B	Wet	-	Y	Y	-	Y	N	-	TSS (Y)	3,5
Waianae Boat Harbor	HIW00124	B	Dry	-	-	-	-	-	-	-		3

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **Ac** = attained (with combined seasonal data), **Ac<sub>T</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **Nc** = not attained (with combined seasonal data), **Nc<sub>T</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1c** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 7. MOLOKAI Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
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
Wailau	Stream	EN	4-1-15		-	-	-	-	-	-		3

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **Ac** = attained (with combined seasonal data), **Ac<sub>T</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **Nc** = not attained (with combined seasonal data), **Nc<sub>T</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1c** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 8. MOLOKAI Marine Waters**

Most marine water bodies are located (\*) within their respective watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
HALAWA WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Halawa Beach Park	HI928793	C	Wet	-	-	-	-	-	-	-		3
KOLO WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Kolo Wharf	HI928768	C	Dry	-	-	-	-	-	-	-		3
MO'OMOMI WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Mo'omomi Beach	HI204811	C	Dry	-	-	-	-	-	V	-		3,5

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **Ac** = attained (with combined seasonal data), **Ac<sub>T</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **Nc** = not attained (with combined seasonal data), **Nc<sub>T</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1c** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 9. MOLOKAI Marine Waters - Not Associated with a Watershed AU**

Scopes of Assessment Not Associated with Watershed	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
Awahua Beach	HI702920	C	Dry	-	-	-	-	-	-	-		3
Fagans Beach	HI571680	C	Dry	-	-	-	-	-	-	-		3
Halena Beach	HI417163	C	Dry	-	-	-	-	-	-	-		3
Hale O Lono Harbor	HIW00090	B	Dry	-	-	-	-	-	-	-		3
Honouli Malo'o	HI783671	C	Dry	-	-	-	-	-	-	-		3
Honouli Wai	HI376731	C	Dry	-	-	-	-	-	-	-		3
Iliopi'i Beach	HI681345	C	Dry	-	-	-	-	-	-	-		3
Kahalepohaku Beach	HI191374	C	Dry	-	-	-	-	-	-	-		3
Kakahai'a Beach Park	HI939514	C	Dry	-	-	-	-	-	-	-		3
Kamaka'ipo Beach	HI923737	C	Dry	-	-	-	-	-	-	-		3
Kanalukaha Beach	HI559049	C	Dry	-	-	-	-	-	-	-		3
Kapukahehu Beach	HI941577	C	Dry	-	-	-	-	-	-	-		3
Kapukuwahine Beach	HI565164	C	Dry	-	-	-	-	-	-	-		3
Kaunakakai Boat Harbor	HIW00109	B	Dry	-	-	-	-	-	-	-		3
Kaunakakai Harbor	HIW00110	B	Dry	-	-	-	-	-	-	-		3
Kaunala Beach	HI726225	C	Dry	-	-	-	-	-	-	-		3
Kaupoa Beach	HI481092	C	Dry	-	-	-	-	-	-	-		3
Kawa'aloa Bay	HI384043	C	Dry	-	-	-	-	-	V	-		3,5
Kawakiunui	HI114962	C	Dry	-	-	-	-	-	-	-		3
Kepuhi Beach	HI287930	C	Dry	-	-	-	-	-	-	-		3
Kiowea Park (Kamehameha Coconut Grove)	HI206014	C	Dry	-	-	-	-	-	-	-		3
Lighthouse Beach	HI934213	C	Dry	-	-	-	-	-	-	-		3
Murphy Beach Park	HI138494	C	Dry	-	-	-	-	-	-	-		3
Oneali'i Beach Park	HI904462	C	Dry	-	-	-	-	-	-	-		3
Papaloa Beach	HI301825	C	Dry	-	-	-	-	-	-	-		3
Papohaku Beach	HI556777	C	Dry	-	-	-	-	-	-	-		3

**Table 9. MOLOKAI Marine Waters - Not Associated with a Watershed AU**

Scopes of Assessment Not Associated with Watershed	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
Pelekunu	HI443237	C	Wet	-	-	-	-	-	-	-		3
Pohaku Mauiuli Beach	HI268134	C	Dry	-	-	-	-	-	-	-		3
Po'olau Beach	HI454004	C	Dry	-	-	-	-	-	-	-		3
Puko'o	HI665969	C	Dry	-	-	-	-	-	-	-		3
Sandy Beach	HI329518	C	Dry	-	-	-	-	-	-	-		3
South Molokai Coast-near shore waters to 18' from SW point-Waialua	HIW00052	C	Dry	-	Y	Y	-	Y	Y	-	TSS (Y)	3,5
Wailau	HI603285	C	Wet	-	-	-	-	-	-	-		3

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **A<sub>c</sub>** = attained (with combined seasonal data), **A<sub>cT</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **N<sub>c</sub>** = not attained (with combined seasonal data), **N<sub>cT</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1<sub>c</sub>** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 10. LANAI Marine Waters**

Most marine water bodies are located (\*) within their respective watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
ANAPUKA WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Kaluakoi Point to Huawai Bay	HIW00135	C	Dry	-	A	A	A	A	A	A		2,3
KAWAIU WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Kawaiu Gulch-Makole Point	HIW00133	C	Dry	-	A	A	A	A	A	N		2,3,5
MAHANALUA WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Mahanalua	HIW00136	C	Dry	-	N	A	A	A	N	N		2,3,5
MANELE WATERSHED	TBD	C	Dry	-	A	A	<u>A</u>	A	<u>N</u>	A		2,3,5
*Hulupoe Bay	HIW00177	C	Dry	-	A	A	<u>A</u>	A	<u>N</u>	A		2,3,5
*Manele Bay Beach	HIW00178	C	Dry	-	A	A	A	A	A	A		2,3
MANELE WATERSHED	TBD	B	Dry	-	-	-	-	-	-	-		3
*Manele Boat Harbor	HIW00179	B	Dry	-	A	A	A	A	N	N		2,3,5

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **A<sub>c</sub>** = attained (with combined seasonal data), **A<sub>cT</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **N<sub>c</sub>** = not attained (with combined seasonal data), **N<sub>cT</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1<sub>c</sub>** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 11. LANAI Marine Waters - Not Associated with a Watershed AU**

Scopes of Assessment Not Associated with Watershed	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
Awehi	HIW00134	C	Dry	-	N	A	A	A	N	N		2,3,5
Halepalaoa Beach	HI297944	C	Dry	-	-	-	-	-	-	-		3
Kahemano Beach	HI801428	C	Dry	-	A	A	N	A	N	A		2,3,5
Kaumalapau Harbor	HIW00108	B	Dry	-	-	-	-	-	-	-		3
Kaunolu Bay	HI923988	C	Dry	-	-	-	-	-	-	-		3
Keomuku Beach	HI854690	C	Dry	-	-	-	-	-	-	-		3
Lopa Beach	HI735036	C	Dry	-	-	-	-	-	-	-		3
Naha Beach	HI225961	C	Dry	-	-	-	-	-	-	-		3
Polihua Beach	HI845453	C	Dry	-	-	-	-	-	-	-		3
Puu Pehe Beach	HIW00180	B	Dry	-	-	-	-	-	-	-		3
Shipwreck Beach	HI362906	C	Dry	-	-	-	-	-	-	-		3

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **A<sub>c</sub>** = attained (with combined seasonal data), **A<sub>cT</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **N<sub>c</sub>** = not attained (with combined seasonal data), **N<sub>cT</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1<sub>c</sub>** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**



**Table 12. MAUI Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
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
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
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
Kahoma	Stream	EN	6-1-05		-	-	-	-	V	-		3,5
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

**Table 12. MAUI Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
Kihei Coast-Kaonoulou Estuary	Estuary	EE	HIW00040	NA	-	N	N	-	N	NA	NH <sub>4</sub> (-) Chl <i>a</i> (-)	3,5
Kihei Coast-Kealia Pond	Estuary	EE	HIW00070	NA	-	-	-	-	-	NA	NH <sub>4</sub> (-) Chl <i>a</i> (N)	3,5
Kolea	Stream	EN	6-4-03		-	-	-	-	-	-		3
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
Makamakaole	Stream	EN	6-2-06	Wet	-	A	A	A	A	A		2,3
Maliko	Stream	EN	6-3-01	Wet	-	-	-	-	N1	-		3,5
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
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
Ukumehame	Stream	EN	6-1-01	Wet	-	Ac	Ac	Ac	A	Ac		2,3
W. Wailuaiki	Stream	EN	6-4-15		-	-	-	-	-	-		3

**Table 12. MAUI Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
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
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
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

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **Ac** = attained (with combined seasonal data), **Ac<sub>T</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **Nc** = not attained (with combined seasonal data), **Nc<sub>T</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1c** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 13. MAUI Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
HAPAPA WATERSHED	TBD	C	Dry	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	-		2,3,5
*Kalama Beach Co. Park (Beach)	HIW00023	C	Dry	A	N	N	N	<u>A</u>	N	N		2,5
*Kalepolepo Beach	HI647373	C	Dry	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>N</u>	-		2,3,5
*Kalepolepo (Waimahaihai)	HIW00141	C	Dry	A	<u>N</u>	N	N	<u>A</u>	N	N		2,5
*Kihei Coast-Kalepolepo	HIW00039	C	Dry	-	N	N	-	-	N	N		3,5
*Kihei Coast-Kulanihakoi	HIW00043	C	Dry	-	N	N	N	-	N	N		3,5
*Kihei Coast-Lipoa-South	HIW00072	C	Dry	-	-	-	-	-	N	N		3,5
*Kihei Coast-Luana Kai	HIW00041	C	Dry	-	N	N	N	-	N	N		3,5
*Mai Poina Oe Iau Beach Co. Park (Kihei N. Station)	HI715975	C	Dry	A	-	-	-	N	N	N		2,5
*Waipulani	HI284036	C	Dry	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>N</u>	-		2,3,5
HONOKAHUA WATERSHED	TBD	C	Dry	A	A	<u>N</u>	N	A	N	N		<u>2,5</u>
*Fleming Beach North	HI253548	C	Dry	A	A	N	N	A	N	N		2,5
*Oneloa Bay Beach	HI740710	C	Dry	A	A	N	<u>A</u>	A	N	<u>A</u>		2,5
HONOKOWAI WATERSHED	TBD	C	Dry	A	N	N	N	<u>A</u>	N	N		2,5
*Honokowai Beach Co. Park	HI412391	C	Dry	A	A	N	N	A	N	N		2,5
*West Maui Coast-Lokelani	HIW00077	C	Dry	-	-	N	-	-	N	N		3,5
*West Maui Coast-S-Turns (Pohaku)	HIW00047	C	Dry	A	N	N	N	<u>A</u>	N	N		2,5
*West Maui-Papakea	HIW00079	C	Dry	-	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	N		2,3,5
HONOLUA WATERSHED	TBD	C	Dry	N	A	N	N	<u>A</u>	N	N		<u>2,5</u>
*Honolua Bay	HI280286	C	Dry	N	A	N	N	<u>A</u>	N	N		2,5
*Mokule'ia Beach	HI977299	C	Dry	A	A	N	N	N	N	N		2,5
HONOMANU WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Honomanu Bay	HI984456	C	Wet	N	-	-	-	-	-	-		3,5
IAO WATERSHED	TBD	B	Dry	A	-	-	-	-	N	-		2,3,5

**Table 13. MAUI Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
*Hata's	HI553820	B	Dry	A	-	-	-	-	-	-		2,3
*Kahului Harbor	HI280920	B	Dry	A	-	-	-	-	N	-		2,3,5
KAHANA WATERSHED	TBD	C	Dry	A	<u>N</u>	N	N	<u>N</u>	N	N		2,5
*Kahana (Mahinahina Condo Shoreline)	HI160433	C	Dry	A	N	N	N	<u>A</u>	N	N		2,5
*Kapalua (Fleming's) Beach	HI391006	C	Dry	A	N	N	N	N	N	N		2,5
*Napili Bay	HI764060	C	Dry	A	<u>N</u>	N	N	A	N	N		2,5
*West Maui Coast-Honokeana Cove	HIW00044	C	Dry	-	N	N	-	-	N	N		3,5
*West Maui Coast-Kahana Cove	HIW00045	C	Dry	-	N	N	-	-	N	N		3,5
*West Maui Coast-Kahana Sunset	HIW00075	C	Dry	-	-	N	-	-	N	N		3,5
*West Maui Coast-Kahana Village	HIW00076	C	Dry	-	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	N		3,5
*West Maui Coast-Kaopala Bay	HIW00046	C	Dry	-	N	N	N	-	N	N		3,5
*West Maui Coast-Napili Bay	HIW00078	C	Dry	-	-	N	-	-	N	N		3,5
KAHOMA WATERSHED	TBD	C	Dry	-	<u>A</u>	<u>N</u>	<u>A</u>	<u>A</u>	<u>N</u>	-		<u>2,3,5</u>
*Mala Wharf-West Maui Coast	HIW00123	C	Dry	-	-	-	-	-	N	N		3,5
*Pu'unoa Beach	HI373055	C	Dry	A	-	-	-	-	N	-		2,3,5
*Wahikuli State Wayside Park	HI169380	C	Dry	A	<u>A</u>	<u>N</u>	<u>A</u>	<u>A</u>	N	N		2,5
KAILUA GULCH WATERSHED	TBD	C	Dry	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	<u>N</u>		2,5
*H.A. Baldwin Beach Co. Park	HI846900	C	Dry	A	-	-	-	-	N	-		2,3,5
*Kanaha Beach	HI797225	C	Dry	A	-	-	-	N	N	N		2,3,5
*Lower Pa'ia (Pa'ia Outfall Station)	HI864937	C	Dry	A	-	-	-	-	N	-		2,3,5
*Spreckelsville	HI789952	C	Dry	A	-	-	-	-	N	-		2,3,5
KALIALINUI WATERSHED	TBD	B	Dry	-	-	-	-	-	-	-		3
*Kanaha Beach (Kaa Shoreline)	HIW00020	B	Dry	A	-	-	-	N	N	N		2,3,5
KAUAULA WATERSHED	TBD	C	Dry	-	A	N	N	A	N	-		2,3,5

**Table 13. MAUI Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
*Lahaina Beach	HI407363	C	Dry	A	<u>A</u>	N	N	A	N	-		2,3,5
*Puamana Beach Co. Park	HI167153	C	Dry	A	-	-	-	-	-	-		2,3
*West Maui-Puamana	HIW00080	C	Dry	-	-	-	-	-	N	N		3,5
KAWAIPAPA WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Hana Bay	HI996835	C	Dry	-	-	-	-	-	-	-		3
*Wai'anapanapa State Park	HI118874	C	Dry	-	-	-	-	-	-	-		3
LAUNIUPOKO WATERSHED	TBD	C	Dry	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	N	-		<u>2,3,5</u>
*Launiupoko St. Wayside Park	HI558359	C	Dry	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	N	-		<u>2,3,5</u>
MALIKO WATERSHED	TBD	C	Dry	<u>A</u>	-	-	-	-	<u>N</u>	-		<u>2,3,5</u>
*Ho'okipa Beach Co. Park	HI985873	C	Dry	A	-	-	-	-	N	-		2,3,5
*Ku'au Bay	HI276573	C	Dry	A	-	-	-	-	-	-		2,3
*Maliko Bay	HI423064	C	Dry	N	-	-	-	-	N	-		3,5
MOOLOA WATERSHED	TBD	C	Dry	A	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	N	<u>A</u>		<u>2,5</u>
*Onelo Beach (Big Beach) (Makena Beach Station)	HI279887	C	Dry	A	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	N	<u>A</u>		2,5
OHEO WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Pepeiaolepo Bay	HI136430	C	Wet	-	-	-	-	-	-	-		3
LOWALU WATERSHED	TBD	C	Dry	-	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>N</u>	-		2,3,5
*Olowalu (Shorefront)	HIW00021	C	Dry	A	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	N		2,5
PAPALAUA WATERSHED	TBD	C	Dry	-	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	-		<u>2,3,5</u>
Papalaua Pali	HIW00216	<u>C</u>	<u>Dry</u>	-	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	-		<u>2,3,5</u>
POHAKEA WATERSHED	TBD	B	Dry	N	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	<u>A</u>		<u>2,5</u>
*Ma'alaea Beach	HI058731	B	Dry	N	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	N		<u>2,3,5</u>
*Kapoli Beach Co. Park	HI599968	C	Dry	-	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>A</u>		<u>2,3,5</u>
UKUMEHAME WATERSHED	TBD	C	Dry	-	A	N	N	A	N	<u>A</u>		<u>2,3,5</u>
*Papalaua	HI462219	C	Dry	A	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	-		2,3,5

**Table 13. MAUI Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
*Ukumehame Beach Co. Park	HI814309	C	Dry	A	<u>A</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	-		2,3,5
*Olowalu (Teen Challenge)	HI491359	C	Dry	A	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	<u>A</u>		2,5
WAIAKOA WATERSHED	TBD	C	Dry	-	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>N</u>		2,3,5
*Mai Poina Oe Iau Beach Co. Park	HIW00025	C	Dry	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	-		2,3,5
*Kihei Coast-Mokulele	HIW00042	C	Dry	-	N	N	<u>N</u>	<u>A</u>	N	N		2,3,5
WAHIKULI WATERSHED	TBD	C	Wet	A	A	N	<u>A</u>	A	N	<u>N</u>		2,5
*Hanaka'o'o Beach Co. Park	HI797917	C	Wet	<u>A</u>	A	N	N	A	N	<u>N</u>		2,5
*Kaanapali (Kahekili Beach)	HI643627	C	Wet	A	A	N	<u>N</u>	A	N	<u>N</u>		2,5
*Kaanapali (Sheraton Kaanapali Shoreline)	HIW00022	C	Wet	A	A	N	N	A	N	A		2,5
WAIIEHU WATERSHED	TBD	C	Wet	-	-	-	-	-	-	A		2,3
*Waiehu Beach Co. Park	HI916183	C	Wet	A	-	-	-	-	N	-		2,3,5
WAIHEE WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Waihee	HI343702	C	Wet	A	-	-	-	-	-	-		2,3
WAIIEA WATERSHED	TBD	C	Dry	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	<u>N</u>		2,5
*Kalama Beach Co. Park (Cove Park)	HI705118	C	Dry	A	N	N	N	N	N	N		2,5
*Kamaole Beach 1	HI761092	C	Dry	A	<u>N</u>	N	N	A	N	N		2,5
*Kamaole Beach 2	HI097179	C	Dry	A	-	-	-	-	N	N		2,3,5
*Kamaole Beach 3	HI496115	C	Dry	A	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	N		2,5
*Keawakapu Beach	HI607763	C	Dry	A	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	N		2,5
*Kihei Coast-Cove Park	HIW00167	C	Dry	-	N	N	-	-	N	N		3,5
*Kihei Coast-Estuary Boat Ramp	HIW00166	C	Dry	-	N	N	-	-	N	-		3,5
*Kihei Coast-Keawakapu*	HIW00074	C	Dry	-	-	N	-	-	-	N		3,5
*Kihei Coast-Maui Coast	HIW00073	C	Dry	-	-	N	-	-	N	N		3,5
*Kihei Coast-South Kamaole II	HIW00071	C	Dry	-	-	N	-	-	-	N		3,5
*Makena Landing Beach	HI245556	C	Dry	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>N</u>	-		2,3,5

**Table 13. MAUI Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
*Malu'aka Beach	HI847607	C	Dry	A	<u>N</u>	<u>N</u>	<u>A</u>	<u>A</u>	<u>N</u>	-		2,3,5
*Mokapu Beach Park	HI861961	C	Dry	A	-	-	-	-	-	-		2,3
*Oneuli Beach	HI756040	C	Dry	A	<u>A</u>	N	N	A	<u>N</u>	N		2,5
*Palauea Beach Park	HI997014	C	Dry	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>N</u>	-		2,3,5
*Polo Beach Park	HI339656	C	Dry	A	-	-	-	-	-	-		2,3
*Poolenalena Beach	HI684864	C	Dry	A	<u>A</u>	<u>N</u>	<u>A</u>	<u>A</u>	<u>N</u>	-		2,3,5
*Pu'u ola'i (Small Beach)	HI157533	C	Dry	A	-	-	-	-	-	-		2,3
*Ulua Beach Park	HI588333	C	Dry	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	N		2,3,5
*Wailea Beach Park	HI278988	C	Dry	A	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	N	<u>N</u>		2,5
WAIOPAI WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Huakini Bay	HI385800	C	Dry	-	-	-	-	-	-	-		3

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **A<sub>c</sub>** = attained (with combined seasonal data), **A<sub>cT</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **N<sub>c</sub>** = not attained (with combined seasonal data), **N<sub>cT</sub>** = not attained (with combined data) (TMDL approved for parameter), **N<sub>1</sub>** = not attained (2x the standard), **N<sub>1T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N<sub>1c</sub>** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**



**Table 14. MAUI Marine Waters - Not Associated with a Watershed AU**

Scopes of Assessment Not Associated with Watershed	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
Ahihi-Kinau Natural Area Reserve	HIW00084	C	Dry	-	-	-	-	-	-	-		3
Alaeloa Beach	HI616569	C	Dry	-	-	-	-	-	-	-		3
Awalua Beach	HI839739	C	Dry	-	-	-	-	-	-	-		3
Father Jules Papa	HI525524	C	Dry	-	-	-	-	-	-	-		3
Hamoia	HI287670	C	Dry	-	-	-	-	-	-	-		3
Hanaka'o'o Station*	HIW00165	C	Dry	-	-	N	-	-	N	-		3,5
Honokeana Bay	HI229021	C	Dry	-	-	-	-	-	-	-		3
Honokohau Bay	HI432902	C	Dry	-	-	-	-	-	-	-		3
Honokowai Point to Kaanapali	HIW00139	C	Dry	-	N	A	N	A	A	A		2,3,5
H-Poko Papa	HI901232	C	Dry	-	-	-	-	-	-	-		3
Kahului Bay	HIW00195	B	Wet	-	A	N	A	A	-	A		2,3,5
Kahului Harbor (Bay)	HIW00105	B	Dry	-	N	N	N	-	N	N		3,5
Kahului Harbor-inshore of breakwater	HIW00053	B	Dry	-	V	V	-	V	N	-		3,5
Kaihalulu Bay	HI432263	C	Dry	-	-	-	-	-	-	-		3
Ka'ili'ili Beach	HI641844	C	Dry	-	-	-	-	-	-	-		3
Kanaio Beach	HI404881	C	Dry	-	-	-	-	-	-	-		3
Kalama Beach Station*	HIW00168	C	Dry	-	N	N	N	-	N	N		3,5
Kea'a Beach	HI593477	C	Dry	-	-	-	-	-	-	-		3
Ke'anae	HI959746	C	Wet	-	-	-	-	-	-	-		3
Keonenui Beach	HI199865	C	Dry	-	-	-	-	-	-	-		3
Kihei Coast-near shore waters to 60' from Kihei North-Kalama Beach	HIW00056	C	Dry	-	Y	Y	-	Y	N	-	TSS (Y)	3,5

**Table 14. MAUI Marine Waters - Not Associated with a Watershed AU**

Scopes of Assessment Not Associated with Watershed	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
Koki Beach Park (VFW)	HI650469	C	Dry	-	-	-	-	-	-	-		3
Kuiaha Bay	HI852861	C	Dry	-	-	-	-	-	-	-		3
Lahaina Harbor	HIW00137	B	Dry	-	-	-	-	-	N	-		3,5
La Perouse Bay	HI674004	C	Dry	-	-	-	-	-	-	-		3
Leho'ula Beach	HI884223	C	Dry	-	-	-	-	-	-	-		3
Ma'alaea Boat Harbor Station	HIW00082	B	Dry	-	N	N	-	-	N	N		3,5
Ma'alaea Small Boat Harbor	HIW00140	B	Dry	-	-	-	-	-	N	N		3,5
Maka'ala Point	HI978171	C	Dry	-	-	-	-	-	-	-		3
Makena Landing-Malu'aka Beach	HIW00142	C	Dry	-	N	N	N	A	N	N		2,3,5
Mala Wharf	HIW00171	C	Dry	N	-	-	-	N	N	N		3,5
Mala Wharf Area	HIW00138	C	Dry	-	N	N	N	A	N	N		2,3,5
Mantokuji Bay	HI482300	C	Dry	-	-	-	-	-	-	-		3
McGregor Point	HI227321	C	Dry	-	-	-	-	-	-	-		3
Mokulau	HI519980	C	Wet	-	-	-	-	-	-	-		3
Nahiku	HI983172	C	Wet	-	-	-	-	-	-	-		3
Nu'u Bay	HI176594	C	Dry	-	-	-	-	-	-	-		3
Poolenalena-Makena Landing	HIW00143	C	Dry	-	N	N	N	A	A	N		2,3,5
Punalau	HI641109	C	Dry	-	-	-	-	-	-	-		3
Waikoloa Beach	HI796679	C	Dry	-	-	-	-	-	-	-		3
Waimaha'ihai Beach	HI236756	C	Dry	-	-	-	-	-	-	-		3
West Maui Coast-near shore waters to 60' from Honolulu-Lahaina	HIW00060	C		-	Y	Y	-	Y	N	-	TSS (Y)	3,5

**Table 14. MAUI Marine Waters - Not Associated with a Watershed AU**

<b>Scopes of Assessment Not Associated with Watershed</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Enterococcus</b>	<b>TN</b>	<b>NO<sub>3</sub>+NO<sub>2</sub></b>	<b>NH<sub>4</sub></b>	<b>TP</b>	<b>Turbidity</b>	<b>Chl <i>a</i></b>	<b>Other Pollutants</b>	<b>Category</b>
West Maui-Honokowai Watershed	HIW00208	C	Dry	-	-	-	-	-	-	-		3
West Maui-Kahana Watershed	HIW00207	C	Dry	-	-	-	-	-	-	-		3
West Maui-Wahikuli Watershed	HIW00209	C	Dry	-	-	-	-	-	-	-		3

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **Ac** = attained (with combined seasonal data), **Ac<sub>T</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **Nc** = not attained (with combined seasonal data), **Nc<sub>T</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1c** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 15. HAWAII Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
Aamakao	Stream	EN	8-1-12	Dry	-	A	A	A	N	A		2,3,5
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
Hakalau	Stream	EN	8-2-32		-	V	V	V	V	-		3,5
Halawa	Stream	EN	8-1-11		-	-	-	-	-	-		3
Halelua	Stream	EN	8-1-10	Wet	-	-	-	-	N1c	-		3,5
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
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
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
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
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
Keaukaha Beach Park	Estuary	EE	HI849313	NA	A	-	-	-	A	NA	NH <sub>4</sub> (-) Chl <i>a</i> (-)	2,3
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

**Table 15. HAWAII Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
Lalakea	Stream	EN	8-1-45	Wet	-	Ac	Ac	Ac	A	Ac		2,3
Lehia Beach	Estuary	EE	HI691720	NA	A	-	-	-	-	NA	NH <sub>4</sub> (-) Chl <i>a</i> (-)	2,3
Leleiwi Beach Co. Park	Estuary	EE	HI540868	NA	A	-	-	N	A	NA	NH <sub>4</sub> (-) Chl <i>a</i> (-)	2,3,5
Leleiwi Beach Co. Park (Richardson Ocean Center)	Estuary	EE	HIW00030	NA	A	-	-	-	N	NA	NH <sub>4</sub> (-) Chl <i>a</i> (N)	2,3,5
Maili	Stream	EN	8-2-57	Dry	-	Ac	Ac	Ac	N	Ac		2,3,5
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
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
Waialeale	Stream	EN	8-1-50		-	-	-	-	-	-		3
Waikama	Stream	EN	8-1-14	Dry	-	A	A	A	N	A		2,3,5
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

**Table 15. HAWAII Inland Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	TP	Turbidity	TSS	Other Pollutants	Category
Wailoa River (Boat Ramp)	Estuary	EE	HIW00172	NA	N	N	N	N	-	NA	NH <sub>4</sub> (N) Chl a(-)	3,5
Wailoa/Waipio	Stream	EN	8-1-44	Dry	-	N	N	N	A	A		2,3,5
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
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
Waipunahoe	Stream	EN	8-1-49		-	-	-	-	-	-		3
Waipunalau	Stream	EN	8-1-77		-	-	-	-	-	-		3
Waiulili	Stream	EN	8-1-47	Dry	-	-	-	-	-	-		3
Waiulili	Stream	EN	8-1-47	Wet	-	-	-	-	Ac	-		2,3

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **Ac** = attained (with combined seasonal data), **Ac<sub>T</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **Nc** = not attained (with combined seasonal data), **Nc<sub>T</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1c** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

**Table 16. HAWAII Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
HAKALAU WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Hakalau Co. Park	HI138086	C	Wet	A	-	-	-	-	-	-		2,3
HILEA WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Kawa Bay	HI535602	C	Dry	-	-	-	-	-	-	-		3
*Punalu'u	HI224651	C	Dry	A	-	-	-	-	-	-		2,3
*Ninole	HI124561	C	Dry	-	-	-	-	-	-	-		3
*Whittington Beach Co. Park	HI720900	C	Dry	A	-	-	-	-	-	-		2,3
HONOKOHAU WATERSHED KONA	TBD	K	NA	-	-	-	-	-	-	-		3
*Honokohau Beach	HI315174	K	NA	-	N	N	N	N	N	A	PO <sub>4</sub> (N)	2,3,5
HONOKOHAU WATERSHED HONOKOHAU HARBOR	TBD	B	Dry	-	-	-	-	-	-	-		3
*Honokohau Boat Harbor	HIW00099	B	Dry	-	-	-	-	-	-	-		3
KAMAKOA WATERSHED	TBD	K	NA	<u>A</u>	-	-	-	-	<u>N</u>	-		<u>2,3,5</u>
*Hapuna Beach St. Recreation Area	HI621002	K	NA	A	N	N	N	N	N	N		2,5
*Kauna'oa Beach	HI261869	K	NA	A	-	-	-	-	N	-		2,3,5
*Puako	HI668132	K	NA	A	-	-	-	-	N	-		2,3,5
*Puako Bay	HIW00033	K	NA	A	-	-	-	-	-	-		2,3
KAWAIIHAE WATERSHED KAWAIIHAE HARBOR	TBD	B	Dry	-	-	-	-	-	-	-		3
*Kawaihae Harbor	HI978783	B	Dry	A	-	-	-	-	N	-		2,3,5
KAWAIIHAE WATERSHED KONA	TBD	K	NA	-	-	-	-	-	-	-		3
*Pelekane Bay	HI738158	K	NA	A	N	N	N	N	N	N		2,5
KEAHOLE WATERSHED	TBD	K	NA	<u>A</u>	<u>A</u>	<u>A</u>	<u>N</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>PO<sub>4</sub>(A)</u>	<u>2,5</u>
*Pine Trees	HI320616	K	NA	A	N	A	A	A	N	A	PO <sub>4</sub> (A)	2,5

**Table 16. HAWAII Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
*Pine Trees-Honokohau	HIW00146	K	NA	-	<u>A</u>	N	<u>A</u>	N	N	A	PO <sub>4</sub> (N)	2,3,5
*Wawaloli Beach	HI643938	K	NA	A	<u>A</u>	<u>N</u>	<u>N</u>	<u>N</u>	N	<u>A</u>	<u>PO<sub>4</sub>(N)</u>	2,5
*Wawaloli Beach-Pine Trees	HIW00147	K	NA	-	<u>A</u>	<u>N</u>	A	A	N	A	<u>PO<sub>4</sub>(N)</u>	2,3,5
*Keahole Point	HIW00203	K	NA	-	A	A	N	A	A	A	PO <sub>4</sub> (A)	2,3,5
KEALAKEKUA WATERSHED	TBD	K	NA	-	<u>N</u>	N	N	N	N	A	<u>PO<sub>4</sub>(N)</u>	<u>2,3,5</u>
*Manini Point Co. Park	HI379764	<u>K</u>	<u>NA</u>	-	-	-	-	-	-	-		3
*Kealakekua Bay (off Curio Stand)	HIW00183	K	NA	A	-	-	-	-	N	-		2,3,5
*Kealakekua Bay	HIW00149	K	NA	-	<u>N</u>	N	N	N	N	A	<u>PO<sub>4</sub>(N)</u>	2,3,5
KIHOLO WATERSHED	TBD	K	NA	-	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>PO<sub>4</sub>(N)</u>	<u>2,3,5</u>
*Manini'owali	HI720408	K	NA	A	A	<u>N</u>	A	A	N	A	PO <sub>4</sub> (A)	2,5
*Kahuwai Bay-Mano Point	HIW00153	K	NA	-	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	A	PO <sub>4</sub> (N)	2,3,5
*Kuki'o Bay	HIW00154	K	NA	-	N	N	A	N	N	A	PO <sub>4</sub> (N)	2,3,5
*Ka'upulehu	HI770607	K	NA	A	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>PO<sub>4</sub>(N)</u>	2,5
*Kahuwai Bay	HI990843	K	NA	-	-	-	-	-	-	-		3
KILAUEA WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Kapoho Bay	HI391407	C	Dry	A	-	-	-	-	N	-		2,3,5
*Kapoho Tidepools (Vacationland)	HI122881	C	Dry	A	-	-	-	-	N	-		2,3,5
*Pohoiki Beach	HI316864	C	Dry	A	-	-	-	-	N	-		2,3,5
*Kapoho Beach Lots	HIW00196	C	Dry	A	-	-	-	-	-	-		2,3
*Kehena	HI459942	C	Dry	A	-	-	-	-	-	-		2,3
*Kalapana Beach (new) (Harry K. Brown Beach Co. Park)	HI542822	C	Dry	A	-	-	-	-	-	-		2,3
*Ahalanui Pond (Puala'a)	HI707059	C	Dry	A	-	-	-	-	N	-		2,3,5



**Table 16. HAWAII Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
KIILEA WATERSHED COASTAL	TBD	C	Dry	-	-	-	-	-	-	-		3
*Miloli'i Beach	HI470112	C	Dry	A	-	-	-	-	N	-		2,3,5
*Ho'okena	HI152572	C	Dry	A	-	-	-	-	N	-		2,3,5
KIILEA WATERSHED KONA	TBD	K	NA	-	-	-	-	-	-	-		3
*Honaunau Bay (2 Step)	HI246645	<u>K</u>	<u>NA</u>	A	-	-	-	-	N	-		2,3,5
*Pu'uhonua o Honaunau	HI478461	<u>K</u>	<u>NA</u>	-	-	-	-	-	-	-		3
*Keone'ele Cove	HI559410	<u>K</u>	<u>NA</u>	A	-	-	-	-	-	-		2,3
KOLEKOLE WATERSHED	TBD	C		-	-	-	-	-	-	-		3
*Kolekole Beach Co. Park	HI693485	C	Wet	A	-	-	-	-	N	-		2,3,5
*Laupahoehoe Beach Co. Park	HI380623	C	Wet	A	-	-	-	-	-	-		2,3
MAILI WATERSHED WET	TBD	C	Wet	<u>A</u>	-	-	-	-	<u>N</u>	-		2,3,5
*Honoli'i Beach Co. Park	HI857411	C	Wet	A	-	-	-	-	N	-		2,3,5
MAILI WATERSHED DRY	TBD	C	Dry	-	-	-	-	-	-	-		3
*Keokey Beach Co. Park	HI784200	C	Dry	-	-	-	-	-	-	-		3
POHAKULOA WATERSHED	TBD	K	NA	<u>A</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>PO<sub>4</sub>(N)</u>	<u>2,5</u>
*Holoholokai	HI582331	K	NA	A	-	-	-	-	N	-		2,3,5
*Mauna Lani (Kalahuihua'a)	HI890924	K	NA	A	-	-	-	-	N	-		2,3,5
*Anaehoomalu Bay	HI326172	K	NA	A			-	-	N	-		2,3,5
*Waiulua Bay to Anaehoomalu Bay	HIW00148	K	NA	-	A	<u>N</u>	<u>N</u>	<u>N</u>	N	<u>N</u>	<u>PO<sub>4</sub>(N)</u>	2,3,5
POLOLU WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Pololu Valley	HI183806	C	Dry	-	-	-	-	-	-	-		3
SOUTH POINT WATERSHED	TBD	C	Dry	-	-	-	-	-	-	-		3
*Ka Lae (South Point)	HI107517	C	Dry	-	-	-	-	-	-	-		3

**Table 16. HAWAII Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
WAIAHA WATERSHED EMBAYMENT	TBD	<u>B</u>	<u>Dry</u>	-	-	-	-	-	-	-	-	<u>3</u>
*Keauhou Bay (Kona)	HI713293	B	Dry	A	-	-	-	-	N	-		2,3,5
WAIAHA WATERSHED KONA	TBD	<u>K</u>	<u>NA</u>	<u>A</u>	<u>A</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>A</u>	<u>PO<sub>4</sub>(N)</u>	<u>2,5</u>
*Kahalu'u Beach Co. Park	HI013290	K	NA	A	-	-	-	-	N	-		2,3,5
*White Sands Beach Co. Park (Magic Sands)	HI436267	K	NA	A	-	-	-	-	N	N		2,3,5
*Banyan's Surfing Area	HI713314	K	NA	A	-	-	-	-	N	-		2,3,5
*Kailua Bay	HI753566	K	NA	A	-	-	-	-	N	-		2,3,5
*Kamakaokahonu	HIW00032	K	NA	A	-	-	-	-	N	-		2,3,5
*Kamakaokahonu (Kailua Pier A-1)	HI261474	K	NA	A	-	-	-	N	N	-		2,3,5
*Old Kona Airport St. Recreation Area	HI256093	K	NA	A	-	-	-	-	-	-		2,3
*Paaao Point to Keaweakaheka Point	HIW00145	K	NA	-	<u>A</u>	<u>N</u>	A	A	<u>N</u>	A	<u>PO<sub>4</sub>(N)</u>	2,3,5
WAIKOLOA WATERSHED	TBD	K	NA	-	-	-	-	-	-	-		3
*Spencer Beach Co. Park	HI936372	K	NA	A	-	-	-	-	N	N		2,3,5
*Waiulaula	HI934020	K	NA	A	N	N	N	N	N	N		2,5
WAILOA/WAIPIO WATERSHED	TBD	C	Wet	-	-	-	-	-	-	-		3
*Waipi'o Bay	HI534434	C	Wet	-	-	-	-	-	-	-		3
WAIOLA WATERSHED EMBAYMENT	TBD	B	Wet	<u>A</u>	-	-	-	-	<u>N</u>	-		<u>2,3</u>
*Hilo Bay (Lighthouse)	HIW00028	B	Wet	N	A	N	N	N	N	A		2,5
*Hilo Bay (Canoe Beach)	HI315019	B	Wet	A	N	N	A	N	N	A		2,5

**Table 16. HAWAII Marine Waters**

Most marine water bodies are located (\*) within their respective CWB watershed assessment unit. The watershed assessment unit provides a holistic view of waters within the State.

*Watershed Assessment Unit with Individual Water Bodies	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
*Hilo Bay (Boat Landing)	HIW00027	B	Wet	A	-	-	-	-	N	N		2,3,5
*Hilo Bay (Coconut Isle)	HI977673	B	Wet	A	-	-	-	-	N	-		2,3,5
*Hilo Bay (Exit of Ice Pond)	HI659453	B	Wet	A	N	N	A	N	A	A		2,5
WAIOLA WATERSHED COASTAL	TBD	C	Wet	<u>A</u>	<u>N</u>	<u>N</u>	<u>N</u>	<u>A</u>	<u>N</u>	<u>N</u>		<u>2,5</u>
*Radio Bay	HI425303	C	Wet	A	-	-	-	-	-	-		2,3
*James Kealoha Park	HI670254	C	Wet	A	-	-	-	-	N	-		2,3,5
*Leleiwi Beach Co. Park	HI540868	C	Wet	<u>A</u>	-	-	-	-	<u>N</u>	-		2,3,5
*Onekahakaha Beach Co. Park	HI862286	C	Wet	<u>A</u>	-	-	-	-	N	-		<u>3,5</u>
*Onekahakaha Beach Co. Park (Puhi Bay #3)	HIW00029	C	Wet	A	-	-	-	-	N	N		2,3,5
*Analanui Pond (Puala'a)	HI707059	C	Dry	A	-	-	-	-	N	-		2,3,5

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **Ac** = attained (with combined seasonal data), **Ac<sub>T</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **Nc** = not attained (with combined seasonal data), **Nc<sub>T</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1c** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.** Disappearance due to volcanic activity are shaded red

**Table 17. HAWAII Marine Waters - Not Associated with a Watershed AU**

Scopes of Assessment Not Associated with Watershed	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
2nd Beach (next to Mahaiula)	HI616452	K	NA	A	-	-	-	-	N	-		2,3,5
Halape Shelter	HI645539	C	Dry	-	-	-	-	-	-	-		3
Hilo Bay (Offshore)	HIW00031	B	Wet	-	-	N	N	-	N	N		3,5
Hilo Bay-inshore of breakwater and near shore waters from Wainaku to Paukaa	HIW00098	B	Wet	-	V	V	-	V	N	-		3,5
Honaunau Bay	HIW00176	K	NA	-	-	-	-	-	-	-		3
Kahoiawa Bay	HIW00150	K	NA	-	N	A	A	A	N	A		2,3,5
Kahoiawa Bay-Makalawena	HIW00151	K	NA	-	N	A	A	A	N	A		2,3,5
Kakapa Bay	HIW00152	K	NA	-	N	A	A	A	N	A		2,3,5
Kaluhika'a Beach	HI327989	K	NA	-	-	-	-	-	-	-		3
Kamoa Point	HI602472	K	NA	-	-	-	-	-	-	-		3
Kapoho Bay	HI391407	C	Dry	A	-	-	-	-	N	-		2,3,5
Kapu'a Bay	HIW00067	C	Dry	-	-	-	-	-	-	-		3
Kauilii Point-Kapaa Beach Park	HIW00201	C	Dry	-	N	N	N	A	A	N		2,3,5
Kauilii Point-Kapaa Beach Park (Oceanic)	HIW00202	O	NA	-	N	A	A	N	N	N		2,3,5
Kawaihae Harbor/Pelekane Bay	HIW00155	B	Dry	-	-	-	-	-	N	-		3,5
Kealia Beach	HI514168	C	Dry	-	-	-	-	-	-	-		3
Keawaiki	HI929053	K	NA	-	-	-	-	-	-	-		3
Ke'ei	HI858729	K	NA	-	-	-	-	-	-	-		3
Kulaimano	HIW00204	C	Wet	-	A	A	A	A	A	A		2,3
Lapakahi St. Hist. Park	HI490010	C	Dry	-	-	-	-	-	-	-		3

**Table 17. HAWAII Marine Waters - Not Associated with a Watershed AU**

Scopes of Assessment Not Associated with Watershed	Water Body ID	Water Body Type	Wet/Dry Criteria	Enterococcus	TN	NO <sub>3</sub> +NO <sub>2</sub>	NH <sub>4</sub>	TP	Turbidity	Chl <i>a</i>	Other Pollutants	Category
Mahai'ula Bay	HI694255	K	NA	-	-	-	-	-	-	-		3
Mahukona Beach Co. Park	HI273526	C	Dry	-	-	-	-	-	-	-		3
Mahukona Harbor	HIW00197	C	Dry	-	N	N	N	A	N	N		2,3,5
Mahukona Harbor (Oceanic)	HIW00198	O	NA	-	N	A	N	N	N	N		2,3,5
Makalawena	HI901744	K	NA	-	-	-	-	-	-	-		3
Makaohule Point-Kauilii Point	HIW00199	C	Dry	-	N	N	N	A	A	N		2,3,5
Makaohule Point-Kauilii Point (Oceanic)	HIW00200	O	NA	-	N	A	A	N	N	N		2,3,5
Makole'a Beach	HI223059	K	NA	-	-	-	-	-	-	-		3
Mau'umae Beach	HI120357	K	NA	-	-	-	-	-	-	-		3
Ohai'ula Beach	HI143737	K	NA	-	-	-	-	-	-	-		3
Pahoehoe Beach Co. Park	HI935352	K	NA	-	-	-	-	-	-	-		3
Papa'i (King's Landing)	HI112071	C	Dry	-	-	-	-	-	-	-		3
Pueo Bay	HI930479	K	NA	-	-	-	-	-	-	-		3
Puhi Bay	HIW00206	C	Wet	A	A	<u>A</u>	A	A	A	A		2
Road to the Sea	HI849236	C	Dry	-	-	-	-	-	-	-		3
Waialea Bay	HI381812	K	NA	-	-	-	-	-	-	-		3
Waipahi Point	HIW00205	C	Wet	-	A	A	A	A	A	A		2,3

**Decision Codes:** - = insufficient data, -<sub>T</sub> = insufficient data (TMDL approved for parameter), **A** = attained, **A<sub>T</sub>** = attained (TMDL approved for parameter), **Ac** = attained (with combined seasonal data), **Ac<sub>T</sub>** = attained (with combined seasonal data) (TMDL approved for parameter), **N** = not attained, **N<sub>T</sub>** = not attained (TMDL approved for parameter), **Nc** = not attained (with combined seasonal data), **Nc<sub>T</sub>** = not attained (with combined data) (TMDL approved for parameter), **N1** = not attained (2x the standard), **N1<sub>T</sub>** = not attained (2x the standard, TMDL approved for parameter), **N1c** = not attained (with combined data, 2x the standard), **V** = visual listing from 2001 - 2004, **V<sub>T</sub>** = visual listing from 2001 - 2004 (TMDL approved for parameter), **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; **NA** = not applicable; **P** = Pearl Harbor Standards; prior assessment confirmed with new data are shaded gray; **category changes are bolded, italicized, underlined & shaded gray.**

## APPENDIX C: §303(d) List of Impaired Waters

**Table 1. Kauai Inland Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body Type</b>	<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Season</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Anahola	Stream	EN	2-2-01	Dry	Turbidity	L
Anahola	Stream	EN	2-2-01	Wet	Turbidity	
Hanalei	Stream	EN	2-1-19	Dry	Enterococci, TP	TMDLs approved 2008 (Entero, Turbidity & TSS), L (Nutrients)
Hanalei	Stream	EN	2-1-19	Wet	Enterococci	TMDLs approved 2008 (Entero, Turbidity & TSS)
Hanalei Bay upstream of Dolphin	Estuary	EE	HIW00160	NA	Enterococci, Turbidity	TMDLs approved 2008 (Entero & Turbidity)
Hanalei River (End of Weke Road)	Estuary	EE	HI385259	NA	Enterococci, TP, Turbidity, NH <sub>4</sub>	TMDLs approved 2008 (Entero & Turbidity), L (Nutrients)
Hanamaulu	Stream	EN	2-2-12	Dry	Turbidity	L
Hanamaulu	Stream	EN	2-2-12	Wet	Turbidity	
Hanapepe	Stream	EN	2-3-07	Dry	Turbidity	L
Hanapepe	Stream	EN	2-3-07	Wet	Turbidity	
Huleia	Stream	EN	2-2-15	Dry	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	TMDLs approved 2008 (Entero, Nutrients, Turbidity & TSS)
Huleia	Stream	EN	2-2-15	Wet	Enterococci	
Kapaa	Stream	EN	2-2-04	Dry	Turbidity	L
Kapaa	Stream	EN	2-2-04	Wet	Turbidity	
Kilauea	Stream	EN	2-1-28	Dry	Turbidity	L
Kilauea	Stream	EN	2-1-28	Wet	Turbidity	
Lawai	Stream	EN	2-3-04	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	L
Lawai	Stream	EN	2-3-04	Wet	Turbidity	
Limahuli	Stream	EN	2-1-12	Dry	NO <sub>3</sub> +NO <sub>2</sub>	L
Manoa	Stream	EN	2-1-13	Dry	Turbidity	L
Manoa	Stream	EN	2-1-13	Wet	Turbidity	
Moloaa	Stream	EN	2-1-34	Dry	Turbidity	L
Moloaa	Stream	EN	2-1-34	Wet	Turbidity	
Nawiliwili	Stream	EN	2-2-13	Dry	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	TMDLs approved 2008 (Entero, Nutrients, Turbidity & TSS)
Nawiliwili	Stream	EN	2-2-13	Wet	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub>	
Papaa	Stream	EN	2-1-35	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	L
Papakolea	Stream	EN	2-2-16	Dry	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS	TMDLs approved 2008 (Entero, Nutrients, Turbidity & TSS)

**Table 1. Kauai Inland Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body Type</b>	<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Season</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Papakolea	Stream	EN	2-2-16	Wet	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS	TMDLs approved 2008 (Entero, Nutrients, Turbidity & TSS)
Puali	Stream	EN	2-2-14	Dry	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	TMDLs approved 2008 (Entero, Nutrients, Turbidity & TSS)
Puali	Stream	EN	2-2-14	Wet	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	
Uhelekawawa	Stream	EN	2-2-Uhelekawawa		Turbidity	L
Wahiawa	Stream	EN	2-3-06	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	L
Wahiawa	Stream	EN	2-3-06	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	
Waikoko	Estuary	EE	HIW00162	NA	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, NH <sub>4</sub>	TMDL approved 2008 (Turbidity & TSS), L (Entero & Nutrients)
Waikomo	Stream	EN	2-3-02	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	L
Waikomo	Stream	EN	2-3-02	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	
Wailua	Stream	EN	2-2-08	Dry	Turbidity	L
Waimea	Stream	EN	2-4-04	Dry	TP, Turbidity	L
Waimea	Stream	EN	2-4-04	Wet	Turbidity	
Waimea	Estuary	EE	2-4-04-E	NA	Turbidity	L
Waioli	Estuary	EE	HIW00163	NA	Enterococci, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, NH <sub>4</sub>	TMDL approved 2008 (Turbidity & TSS), L (Entero & Nutrients)
Waioli	Stream	EN	2-1-18	Dry	Enterococci, Turbidity	L
Waiopili	Stream	EN	2-3-99	Wet	Enterococci, Turbidity	L
Waipa	Estuary	EE	HIW00164	NA	Enterococci, TP, Turbidity, NH <sub>4</sub>	TMDL approved 2008 (Turbidity & TSS), L (Entero & Nutrients)
Waipa	Stream	EN	2-1-17	Dry	Turbidity	TMDLs approved 2008 (Turbidity & TSS)
<b>Total Number of Kauai Inland Water Bodies Listed for At Least One Impairment</b>					<b>30</b>	

TMDL Priority Codes: High (H), Medium (M), & Low (L) priority for initiating TMDL development within the current monitoring and assessment cycle; IP = TMDL development in progress; NA = not applicable



**Table 2. Oahu Inland Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body Type</b>	<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Season</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Ahuimanu	Stream	EN	3-2-07.03	Wet	Enterococci, Turbidity	L
Ahuimanu	Stream	EN	3-2-07.03	Dry	Enterococci, Turbidity	
Aiea	Stream	EN	3-4-03	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Trash	<u>L</u>
Aiea	Stream	EN	3-4-03	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Trash	
Ala Wai Canal & Boat Harbor	Estuary	EE	HIW00050	NA	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, Pathogens, Metals, TSS, Organochlorine Pesticides, Lead, Fish Consumption Advisory	TMDLs approved 1996 & revised 2002 (Canal TN & TP), L (Others)
Ala Wai Canal & Harbor (Canal-Diamond Head Stn)	Estuary	EE	HIW00085	NA	Enterococci, TN, TP, Turbidity, Chl <i>a</i>	L
Ala Wai Canal & Harbor (Manoa & Palolo KHS Stn)	Estuary	EE	HIW00036	NA	TN, TP, Turbidity, Chl <i>a</i>	L
Ala Wai Canal & Harbor (Manoa Stream Fork Stn)	Estuary	EE	HIW00035	NA	TN, Turbidity, Fecal	L
Ala Wai Canal & Harbor (Manoa-Palolo Stream Mouth Stn)	Estuary	EE	HIW00087	NA	TN, TP, Turbidity, Chl <i>a</i>	L
Ala Wai Canal & Harbor (McCully Bridge Stn)	Estuary	EE	HIW00086	NA	Enterococci	L
Ala Wai Canal & Harbor (Palolo Stream Fork)	Estuary	EE	HIW00034	NA	TN, Turbidity, Fecal	L
Anahulu	Estuary	EE	3-6-08-E		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	L
Halawa	Stream	EN	3-4-02		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	<u>L</u>
Heeia	Stream	EN	3-2-08	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub>	L
Helemano	Stream	EN	3-6-07.02		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	L
Kaaawa	Stream	EN	3-1-19		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	L
Kaalaea	Stream	EN	3-2-05	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	L
Kaalaea	Stream	EN	3-2-05	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> ,	

**Table 2. Oahu Inland Listed Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Impairment(s)	TMDL Priority
Kaelepulu	Stream	EN	3-2-14		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	<u>H</u>
Kaelepulu Stream-Kailua Beach	Estuary	EE	HIW00182	NA	Enterococci, TN, TP, Turbidity, Chl <i>a</i>	<u>H</u>
Kahaluu	Estuary	EE	3-2-07-E		Enterococci, Turbidity	L
Kahaluu	Stream	EN	3-2-07.02	Dry	Enterococci, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	L
Kahaluu	Stream	EN	3-2-07.02	Wet	Enterococci	L
Kahana	Stream	EN	3-1-18	Dry	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	<u>L</u>
Kahawainui	Stream	EN	3-1-07		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	L
Kalauao	Stream	EN	3-4-04-01	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	L
Kalauao	Stream	EN	3-4-04-01	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub>	L
Kalihi	Stream	EN	3-3-11	Dry	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Trash	<u>H</u>
Kalihi	Stream	EN	3-3-11	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , Trash	<u>H</u>
Kamooalii (Trib to Kaneohe Stream)	Stream	Kamooalii Trib	3-2-10.01	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	TMDLs approved 2010 (TN &TP), L (Others)
Kamooalii (Trib to Kaneohe Stream)	Stream	Kamooalii Trib	3-2-10.01	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP	
Kaneohe	Stream	EN	3-2-10	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, Dieldrin	
Kaneohe	Stream	EN	3-2-10	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, Dieldrin	
Kapaa	Stream	EN	3-2-13-Kapaa		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS, Metals, Lead	
Kapakahi	Stream	EN	3-4-Kapakahi	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Trash	<u>L</u>
Kapakahi	Stream	EN	3-4-Kapakahi	Dry	Turbidity, Trash	
Kapalama	Stream	EN	3-3-10		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, Trash	L
Kaukonahua	Stream	EN	3-6-06.02	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	M
Kaukonahua	Stream	EN	3-6-06.02	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	
Kaukonahua (N Fork)	Stream	EN	3-6-06.02.2		TN, Turbidity	TMDLs approved 2010 (TN &Turbidity)
Kaukonahua (S Fork)	Stream	EN	3-6-06.02.1		TN, Turbidity	
Kaupuni	Stream	EN	3-5-05		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, Trash	L
Kawa	Stream	EN	3-2-11		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS	TMDLs approved 2002 & revised 2005 (TN, TP&TSS)

**Table 2. Oahu Inland Listed Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Impairment(s)	TMDL Priority
Kawaihoa	Stream	EN	3-6-08.01		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	L
Keaahala	Stream	EN	3-2-09	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, Trash	L
Keaahala	Stream	EN	3-2-09	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , Trash	
Makiki	Stream	EN	ALWS06	Dry	TN, TP	L
Manoa	Stream	EN	3-3-07.01		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, Dieldrin, Chlordane	L
Maunawili	Stream	EN	3-2-13.01		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, Trash	<u>L</u>
Moanalua	Stream	EN	3-3-12.01	Dry	TN, Turbidity, Trash	<u>H</u>
Moanalua	Stream	EN	3-3-12.01	Wet	TN, Trash	
Nuuanu	Stream	EN	3-3-09	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS, Trash, Dieldrin, Chlordane	L
Nuuanu	Stream	EN	3-3-09	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Trash, Dieldrin, Chlordane	
Opaepa	Stream	EN	3-6-07.01		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	L
Palolo	Stream	EN	3-3-0.7.01.1		Trash	L
Paukaui	Estuary	EE	3-6-07-E		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	<u>M</u>
Pearl Harbor	Estuary (P)	EE	HIW00006	NA	TN, TP, Chl <i>a</i>	<u>L</u>
Pearl Harbor-harbor waters and near shore waters to 30' from Keehi Lagoon to Oneula Beach	Estuary (P)	EE	HIW00119	NA	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS, PCBs, Fish Consumption Advisory	<u>L</u>
Poamoho	Stream	EN	3-6-06.01		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	M
Salt Lake	Lake	EL	3-3-12-Salt Lake		Turbidity, Trash	L
Wahiawa Reservoir	Reservoir	ER	3-6-06.02-R		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	<u>L</u>
Waiahole	Stream	EN	3-2-04	Dry	Enterococci, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	L
Waiahole	Stream	EN	3-2-04	Wet	Enterococci, NO <sub>3</sub> +NO <sub>2</sub>	
Waiawa	Stream	EN	3-4-06	Wet	Turbidity, Trash	<u>L</u>
Waiawa	Stream	EN	3-4-06	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, Trash	
Waihee	Stream	EN	3-2-07.01	Wet	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , TP	L
Waihee	Stream	EN	3-2-07.01	Dry	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	
Waikane	Stream	EN	3-2-02	Dry	NO <sub>3</sub> +NO <sub>2</sub>	L
Waikane	Stream	EN	3-2-02	Wet	NO <sub>3</sub> +NO <sub>2</sub>	

**Table 2. Oahu Inland Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body Type</b>	<b>Scope of Assessment</b>	<b>Water Body ID</b>	<b>Season</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Waikele	Stream	EN	3-4-10	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub>	TMDL Completed Feb. 2019 for Nutrients
Waikele	Stream	EN	3-4-10	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	
Waialele	Stream	EN	3-1-08	Wet	Turbidity	L
Waimalu	Stream	EN	3-4-05	Wet	Turbidity	<u>L</u>
Waimanalo	Stream	EN	3-2-15		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS	TMDLs approved 2001 (Nutrients & Sediment)
Waimano	Stream	EN	3-4-06.01		Turbidity	<u>L</u>
Waiola	Stream	EN	3-2-07.04	Wet	Turbidity	L
Waiola	Stream	EN	3-2-07.04	Dry	Turbidity	
<b>Total Number of Oahu Inland Water Bodies Listed for At Least One Impairment</b>					<b>56</b>	

TMDL Priority Codes: High (H), Medium (M), & Low (L) priority for initiating TMDL development within the current monitoring and assessment cycle; IP = TMDL development in progress; NA = not applicable

**Table 3. Molokai Inland Listed Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Impairment(s)	TMDL Priority
Waialua	Stream	EN	4-2-04	Dry	Turbidity	L
<b>Total Number of Molokai Inland Waters Listed for At Least One Impairment</b>					<b>1</b>	

TMDL Priority Codes: High (H), Medium (M), & Low (L) priority for initiating TMDL development within the current monitoring and assessment cycle; IP = TMDL development in progress; NA = not applicable

**Table 4. Maui Inland Listed Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Impairment(s)	TMDL Priority
Honokowai	Stream	EN	6-1-07		Turbidity	<u>L</u>
Iao	Stream	EN	6-2-09		Turbidity, Trash	<u>L</u>
Kahana	Stream	EN	6-1-08		Turbidity	<u>L</u>
Kahoma	Stream	EN	6-1-05		Turbidity	<u>L</u>
Kihei Coast-Kaonoulu Estuary	Estuary	EE	HIW00040	NA	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	L
Kihei Coast-Kealia Pond	Estuary	EE	HIW00070	NA	Chl <i>a</i>	<u>L</u>
Makamakaole	Stream	EN	6-2-06	Dry	Turbidity	L
Maliko	Stream	EN	6-3-01	Wet	Turbidity	L
Ohia	Stream	EN	6-4-12		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, Trash	L
Ukumehame	Stream	EN	6-1-01	Dry	NO <sub>3</sub> +NO <sub>2</sub>	L
Waihee	Stream	EN	6-2-07	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP	L
Waikapu	Stream	EN	6-2-10	Dry	Turbidity	L
Waipio	Stream	EN	6-3-10	Wet	Turbidity	L
<b>Total Number of Maui Inland Water Bodies Listed for At Least One Impairment</b>					<b>13</b>	

TMDL Priority Codes: High (H), Medium (M), & Low (L) priority for initiating TMDL development within the current monitoring and assessment cycle; IP = TMDL development in progress; NA = not applicable

**Table 5. Hawaii Inland Listed Waters**

Assessed Water Body	Water Body Type	Scope of Assessment	Water Body ID	Season	Impairment(s)	TMDL Priority
Aamakao	Stream	EN	8-1-12	Dry	Turbidity	L
Alenaio	Stream	EN	8-2-61.01.1		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP	<u>L</u>
Hakalau	Stream	EN	8-2-32		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	<u>L</u>
Halelua	Stream	EN	8-1-10	Wet	Turbidity	L
Honolii	Stream	EN	8-2-56	Dry	Turbidity	<u>M</u>
Kaieie	Stream	EN	8-2-49	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP	L
Kapehu	Stream	EN	8-2-37	Dry	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	L
Kapue	Stream	EN	8-2-53	Dry	Turbidity	L
Lalakea	Stream	EN	8-1-45	Dry	Turbidity	L
Leleiwi Beach Co. Park	Estuary	EE	HI540868	NA	TP	L
Leleiwi Beach Co. Park (Richardson Ocean Center)	Estuary	EE	HIW00030	NA	Turbidity, Chl <i>a</i>	L
Maili	Stream	EN	8-2-57	Dry	Turbidity	<u>M</u>
Niulii	Stream	EN	8-1-13	Dry	Turbidity	L
Waiakea	Stream	EN	8-2-61		TN, NO <sub>3</sub> +NO <sub>2</sub> , TP	<u>L</u>
Waikama	Stream	EN	8-1-14	Dry	Turbidity	L
Wailoa	Estuary	EE	8-2-61-E		TN, NO <sub>3</sub> +NO <sub>4</sub> , TP, Turbidity, NH <sub>4</sub>	M
Wailoa River (Boat Ramp)	Estuary	EE	HIW00172	NA	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, NH <sub>4</sub>	M
Wailoa/Waipio	Stream	EN	8-1-44	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP	L
Wailoa/Waipio	Stream	EN	8-1-44	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub>	
Wailuku	Stream	EN	8-2-60	Dry	NO <sub>3</sub> +NO <sub>2</sub>	<u>M</u>
Wainaia	Stream	EN	8-1-09	Wet	Turbidity	L
<b>Total Number of Hawaii Inland Water Bodies Listed for At Least One Impairment</b>					<b>20</b>	

Priority Codes: High (H), Medium (M), & Low (L) priority for initiating TMDL development within the current monitoring and assessment cycle; IP = TMDL development in progress; NA = not applicable

**Table 6. Kauai Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Anahola Beach	HI270737	C	Wet	Turbidity	L
Anini Beach Park	HI418744	C	Wet	Turbidity	L
Beach House Beach	HI156238	C	Dry	Turbidity	L
Brennecke Beach	HI166521	C	Dry	Turbidity	L
Haena Beach Park	HI554189	C	Wet	Turbidity	L
Hanalei Bay (Landing)	HIW00093	B	Wet	Enterococci, Turbidity	TMDLs approved 2012 (Entero & Turbidity)
Hanalei Bay (Pavilion)	HIW00092	B	Wet	Turbidity	L
Hanalei Bay (Waioli Beach)	HIW00091	B	Wet	Turbidity	TMDLs approved 2012 (Entero & Turbidity)
Hanalei Bay Mooring Station	HIW00157	B	Wet	Enterococci	TMDLs approved 2012 (Entero & Turbidity)
Hanama'ulu Bay	HIW00063	B	Wet	Turbidity	L
Hanama'ulu Bay (Beach)	HIW00094	B	Wet	Enterococci, Turbidity	L
Hanapepe Bay-from breakwater to shore and near shore waters to 30' from Puolo Point to Paakehi Point	HIW00048	B	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP	L
Kalihiwai Bay	HI264001	C	Wet	Turbidity	L
Kapa'a Beach Co. Park	HI972832	C	Wet	Turbidity	L
Kealia	HI402035	C	Wet	Turbidity	L
Kee Beach	HI124511	C	Wet	Turbidity	L
Kekaha Beach Co. Park	HI530569	C	Dry	Turbidity	L
Koloa Landing	HI955435	C	Dry	Enterococci, Turbidity	L
Lumaha'i Beach	HI889639	C	Wet	Enterococci, Turbidity	L
Lydgate Park	HI798758	C	Wet	Turbidity	L
Mana Point	HIW00184	C	Dry	TN, NH <sub>4</sub> , Chl <i>a</i>	L
Nawiliwili Bay (Kalapaki Beach)	HIW00114	B	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
Nawiliwili Bay (Nawiliwili Harbor)	HIW00115	B	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
Nawiliwili Bay (Offshore)	HIW00116	B	Wet	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
Nawiliwili Bay-from breakwater to shore	HIW00059	B	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	<u>L</u>

**Table 6. Kauai Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Nukoli Beach Park	HI502794	C	Wet	Turbidity	L
Pacific Missile Range Facility (Open Coastal)	HIW00212	C	Dry	Turbidity, Chl a	L
Pacific Missile Range Facility/Barking Sands Beach	HI176480	C	Dry	Turbidity	L
Po'ipu Beach Co. Park	HI396850	C	Dry	Turbidity	L
Polihale State Park	HI247403	C	Dry	Turbidity	L
Port Allen Boat Harbor (Port Allen Pier)	HIW00026	B	Wet	NH <sub>4</sub> , Turbidity	L
Salt Pond Beach Co. Park	HI701008	C	Wet	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Sheraton Beach	HI542569	C	Dry	Turbidity	L
Shipwreck Beach	HI358435	C	Dry	Turbidity	L
Wai'ohai Beach	HI392082	C	Dry	Turbidity	L
Wailua (Open Coastal)	HIW00215	C	Wet	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Wailua (Wailua River Station)	HI606168	C	Wet	Turbidity	L
Waimea Bay Beach (Near River Station)	HI862821	C	Dry	Enterococci	L
Waimea Bay Beach-near shore waters to 18' from Kekaha Oomano Point-1.5 miles SE of Mahinaui Stream	HIW00057	C	Dry	Turbidity, TSS	L
Waimea Rec. Pier St. Park	HI245235	C	Dry	Enterococci, Turbidity	L
Waipouli Beach	HI682678	C	Wet	Turbidity	L
<b>Total Number of Kauai Marine Water Bodies Listed for At Least One Impairment</b>				<b>41</b>	

**Priority Codes:** High (H), Medium (M), & Low (L) priority for initiating TMDL development within the current monitoring and assessment cycle; **IP** = TMDL development in progress; **NA** = not applicable



**Table 7. Oahu Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Ala Moana Beach (Center)	HIW00001	C	Wet	Turbidity, Chl <i>a</i>	L
Ala Moana Beach (Diamond Head)	HIW00002	C	Wet	NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Ala Wai Boat Harbor (Ala Moana Bridge Station)	HIW00125	B	Wet	Enterococci, TN, TP, Turbidity, Chl <i>a</i>	L
Bellows Field Beach Co. Park	HIW00081	C	Wet	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, Turbidity, Chl <i>a</i>	<u>L</u>
Bellows Field Beach Co. Park (N. Runway)	HI798011	C	Wet	NH <sub>4</sub> , Turbidity	<u>L</u>
Campbell Industrial	HIW00187	C	Dry	Chl <i>a</i>	L
Chun's Reef	HI950962	C	Wet	Turbidity	L
Diamond Head	HI544313	C	Dry	Turbidity	L
Ewa Beach	HI767464	C	Wet	Turbidity	L
Ewa Beach Park	HI319095	C	Wet	NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Gray's Beach	HI941499	C	Wet	TN, Turbidity, Chl <i>a</i>	L
Haleiwa Beach Park	HI994019	B	Wet	TN, TP, Chl <i>a</i>	L
Hanauma Bay	HIW00058	B	Dry	Trash	<u>L</u>
Hanauma Bay (Beach)	HI451471	B	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Hanauma Bay (Oceanic)	HIW00017	O	NA	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Chl <i>a</i>	<u>L</u>
Heeia Kea Small Boat Harbor	HIW00097	B	Wet	TN, Chl <i>a</i>	L
Honolulu Harbor & Shore Area-Honolulu Waterfront-Aloha Tower	HIW00061	B	Wet	NH <sub>4</sub> , Trash	L
Honolulu Harbor & Shore Area-Kewalo Basin	HIW00051	B	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS, Trash	L
Honolulu Harbor-near shore waters to 30' from one mile NW of Honolulu Harbor/Sand Island Channel to Waikiki Beach	HIW00049	B	Wet	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, Pathogens, Metals, TSS	L
Ihilani Kohola Lagoon	HI515191	B	Dry	Turbidity	L
Ka'alawai Beach	HI253930	C	Dry	Enterococci	L
Kahala Hilton Beach	HI173325	C	Dry	Turbidity	L
Kahana Bay Park	HIW00102	B	Wet	Enterococci, TN, TP, Turbidity	<u>L</u>

**Table 7. Oahu Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Kahana Bay-near shore waters to 30' from Mahie Point to a point one mile north of Kahana Bay Station	HIW00062	B	Wet	Turbidity, TSS	<u>L</u>
Kahana Park	HIW00103	B	Wet	Enterococci	<u>L</u>
Kahanamoku Beach	HI366432	C	Wet	Turbidity, Chl <i>a</i>	L
Kahanamoku Lagoon	HIW00003	C	Wet	Enterococci	L
Kahe Point Beach Co. Park	HI548986	C	Dry	Turbidity	L
Kahe Point (Open Coastal)	HIW00214	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub>	L
Kaiaka Bay	HIW00106	B	Wet	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>M</u>
Kailua Bay (Open Coastal)	HIW00194	C	Dry	Chl <i>a</i>	L
Kailua Beach Park	HI482719	C	Wet	NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kalama Beach	HI071892	C	Dry	Turbidity	L
Kaneohe Bay (Beach Park)	HIW00004	B	Wet	TN, TP, Turbidity, Chl <i>a</i>	L
Kaneohe Bay (Central Region)	HIW00013	B	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Kaneohe Bay (Kokokahi Pier)	HIW00005	B	Wet	Enterococci, TN, TP, Turbidity, Chl <i>a</i>	L
Kaneohe Bay (Northern Region)	HIW00012	B	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Kaneohe Bay (Southern Region)	HIW00011	B	Wet	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Kaneohe Bay-near shore waters at mouths of Kaneohe and Kawa Streams	HIW00054	B	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS	L
Kapi'olani Park	HI733929	C	Dry	Turbidity	L
Kawela Bay	HI698581	C	Dry	TN, TP, Turbidity, Chl <i>a</i>	L
Keehi Lagoon	HIW00009	B	Wet	Enterococci	L
Keehi Lagoon (Point X)	HIW00010	B	Wet	Enterococci, TN, TP, Chl <i>a</i>	<u>H</u>
Keehi Lagoon waters and near shore waters to 30' from lagoon mouth to Pearl Harbor	HIW00055	B	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS	L
Kewalo Basin	HIW00126	C	Wet	TN, TP, Turbidity, Chl <i>a</i>	L

**Table 7. Oahu Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Kokololio Beach	HI767708	C	Dry	Turbidity	L
Kualoa Co. Regional Park	HI848207	C	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kuhio Beach	HI681782	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kuhio Beach (Public Bath)	HI851298	C	Dry	NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kuli'ou'ou	HI360513	B	Dry	Enterococci	L
Laenani Beach Co. Park	HI930562	B	Wet	Enterococci	L
Laie Bay	HI472847	C	Dry	TN, TP, Turbidity, Chl <i>a</i>	L
Laniakea Beach	HI183312	C	Wet	Turbidity	L
Lanikai Beach	HI596989	C	Wet	Turbidity	L
Lualualei Beach Co. Park	HI800877	C	Dry	Turbidity	L
Magic Island	HI529142	C	Wet	Turbidity	L
Ma'ili Beach Park	HI627464	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Maipalaoa Beach	HI280966	C	Dry	Turbidity	L
Makaha Beach	HI632106	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Makapuu Beach	HI723399	C	Dry	Turbidity	L
Makua Beach	HI915061	C	Dry	NH <sub>4</sub> , Turbidity	L
Malaekahana State Park	HI137325	C	Dry	Turbidity	L
Mamala Bay (Fort Kamehameha Offshore)	HIW00190	C	Wet	Chl <i>a</i>	L
Mamala Bay (Oceanic)	HIW00015	O	NA	TN, Turbidity	L
Manner's Beach	HI717740	C	Dry	Turbidity	L
Maunaloa Bay	HI423413	C	Dry	NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Nanakuli Beach Park	HI467413	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Nimitz Beach	HI682233	C	Wet	Turbidity	L
Ocean Pointe C	HIW00132	C	Wet	Turbidity, Chl <i>a</i>	L
Ocean Pointe Control	HIW00129	C	Wet	Turbidity, Chl <i>a</i>	L
Ocean Pointe E	HIW00130	C	Wet	Turbidity, Chl <i>a</i>	L
Ocean Pointe W	HIW00131	C	Wet	Turbidity, Chl <i>a</i>	L
Ocean Pointe KA	HIW00210	C	Wet	Turbidity, Chl <i>a</i>	L
Ocean Pointe PR	HIW00211	C	Wet	Chl <i>a</i>	L
Oneawa Beach	HI952205	C	Dry	TN, TP, Turbidity, Chl <i>a</i>	L
Oneula Beach Park	HI825419	C	Wet	Turbidity	L
Pipeline, The	HI188157	C	Dry	Turbidity	L
Pokai Bay	HIW00007	B	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Pokai Bay (Oceanic)	HIW00019	O	NA	TN, Chl <i>a</i>	L

**Table 7. Oahu Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Pokai Bay (Open Coastal)	HIW00018	C	Dry	Turbidity	L
Pupukea Beach Co. Park	HI93495	C	Wet	Turbidity	L
Punaluu Beach Park	HI148836	C	Wet	Enterococci	L
Royal-Moana Beach	HI898947	C	Wet	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Sand Island (Shoreline)	HI714359	C	Wet	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Chl <i>a</i>	L
Sand Island Point #3	HIW00181	C	Wet	TN, Turbidity, Chl <i>a</i>	L
Sandy Beach	HI776760	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Sandy Beach (Open Coastal)	HIW00191	C	Dry	Chl <i>a</i>	L
Sans Souci	HI617815	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Sunset Beach	HI860544	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Tongg's	HI248913	C	Dry	Turbidity	L
Waialua Bay	HI451176	B	Wet	Turbidity	L
Waialua/Kaiaka Bays near shore waters to 60' from Puaena Point to a point 1.5 miles W of Kaiaka Point	HIW00083	B	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS	L
Waikiki Beach Center	HI244505	C	Wet	Turbidity	L
Waimanalo Bay St. Rec. Area (Park)	HI279194	C	Dry	Turbidity	L
Waimanalo Beach Co. Park (South)	HIW00174	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
Waimea Bay	HIW00128	C	Wet	Turbidity	L
White Plains Beach	HI267023	C	Wet	Turbidity	L
Yokohama Bay	HI269028	C	Dry	NH <sub>4</sub> , Turbidity	L
<b>Total Number of Oahu Marine Water Bodies Listed for At Least One Impairment</b>				<b>98</b>	

**Priority Codes:** High (H), Medium (M), & Low (L) priority for initiating TMDL development within the current monitoring and assessment cycle; **IP** = TMDL development in progress; **NA** = not applicable

**Table 8. Molokai Marine Listed Waters**

Assessed Water Body	Water Body ID	Water Body Type	Wet/Dry Criteria	Impairment(s)	TMDL Priority
Mo'omomi Beach	HI204811	C	Dry	Turbidity	L
South Molokai Coast-near shore waters to 18' from SW point-Waialua	HIW00052	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS	L
Kawa'aloa Bay	HI384043	C	Dry	Turbidity	L
<b>Total Number of Molokai Marine Waters Listed for At Least One Impairment</b>				<b>3</b>	

Priority Codes: High (H), Medium (M), & Low (L) priority for initiating TMDL development within the current monitoring and assessment cycle; IP = TMDL development in progress; NA = not applicable

**Table 9. Lanai Marine Listed Waters**

Assessed Water Body	Water Body ID	Water Body Type	Wet/Dry Criteria	Impairment(s)	TMDL Priority
Kawaiu Gulch-Makole Point	HIW00133	C	Dry	Chl <i>a</i>	L
Mahanalua	HIW00136	C	Dry	TN, Turbidity, Chl <i>a</i>	L
Hulopoe Bay	HIW00177	C	Dry	Turbidity	L
Manele Boat Harbor	HIW00179	B	Dry	Turbidity, Chl <i>a</i>	L
Awehi	HIW00134	C	Dry	TN, Turbidity, Chl <i>a</i>	L
Kahemano Beach	HI801428	C	Dry	NH <sub>4</sub> , Turbidity	L
<b>Total Number of Lanai Marine Waters Listed for At Least One Impairment</b>				<b>6</b>	

Priority Codes: High (H), Medium (M), & Low (L) priority for initiating TMDL development within the current monitoring and assessment cycle; IP = TMDL development in progress; NA = not applicable

**Table 10. Maui Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Fleming Beach North	HI253548	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
H.A. Baldwin Beach Co. Park	HI846900	C	Dry	Turbidity	L
Hanaka'o'o Beach Co. Park	HI797917	C	Wet	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl. <i>a</i>	<u>L</u>
Hanaka'o'o Station	HIW00165	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	<u>L</u>
Honokowai Beach Co. Park	HI412391	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl. <i>a</i>	<u>L</u>
Honokowai Point to Kaanapali	HIW00139	C	Dry	TN, NH <sub>4</sub>	<u>L</u>
Honolua Bay	HI280286	C	Dry	Enterococci, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
Honomanu Bay	HI985873	C	Wet	Enterococci	L
Ho'okipa Beach Co. Park	HIW00024	C	Dry	Turbidity	L
Kaanapali (Kahekili Beach)	HI643627	C	Wet	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl. <i>a</i>	<u>L</u>
Kaanapali (Sheraton Kaanapali Shoreline)	HIW00022	C	Wet	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	<u>L</u>
Kahana (Mahinahina Condo Shoreline)	HI160433	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
Kahului Bay	HIW00195	B	Wet	NO <sub>3</sub> +NO <sub>2</sub>	L
Kahului Harbor	HI280920	B	Dry	Turbidity	L
Kahului Harbor (Bay)	HIW00105	B	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kahului Harbor-inshore of breakwater	HIW00053	B	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	L
Kalama Beach Station	HIW00168	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kalama Beach Co. Park (Beach)	HIW00023	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kalama Beach Co. Park (Cove Park)	HI705118	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, Turbidity, Chl <i>a</i>	L
Kalepolepo Beach	HI647373	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Kalepolepo (Waimahaihai)	HIW00141	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kamaole Beach 1	HI761092	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kamaole Beach 2	HI097179	C	Dry	Turbidity, Chl <i>a</i>	L
Kamaole Beach 3	HI496115	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kanaha Beach	HI797225	C	Dry	TP, Turbidity, Chl <i>a</i>	L
Kanaha Beach (Kaa Shoreline)	HIW00020	B	Dry	TP, Turbidity, Chl <i>a</i>	L
*Kapalua (Fleming's) Beach	HI391006	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, Turbidity, Chl. <i>a</i>	L

**Table 10. Maui Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Kapoli Beach Co. Park	HI599968	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Keawakapu Beach	HI607763	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kihei Coast-Cove Park	HIW00167	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Chl <i>a</i>	L
Kihei Coast-Estuary Boat Ramp	HIW00166	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	L
Kihei Coast-Kalepolepo	HIW00039	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Chl <i>a</i>	L
Kihei Coast-Keawakapu	HIW00074	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , Chl <i>a</i>	L
Kihei Coast-Kulanihakoi	HIW00043	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kihei Coast-Lipoa-South	HIW00072	C	Dry	Turbidity, Chl <i>a</i>	L
Kihei Coast-Luana Kai	HIW00041	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kihei Coast-Maui Coast	HIW00073	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Chl <i>a</i>	L
Kihei Coast-Mokulele	HIW00042	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Kihei Coast-near shore waters to 60' from Kihei North-Kalama Beach	HIW00056	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS	L
Kihei Coast-South Kamaole II	HIW00071	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , Chl <i>a</i>	L
Lahaina Beach	HI407363	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Lahaina Harbor	HIW00137	B	Dry	Turbidity	<u>L</u>
Launiupoko St. Wayside Park	HI558359	C	Dry	NH <sub>4</sub> , Turbidity	<u>L</u>
Lower Pa'ia (Pa'ia Outfall Station)	HI864937	C	Dry	Turbidity	L
Ma'alaea Beach	HI058731	B	Dry	Enterococci, TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Ma'alaea Boat Harbor Station*	HIW00082	B	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Chl <i>a</i>	L
Ma'alaea Small Boat Harbor	HIW00140	B	Dry	Turbidity, Chl <i>a</i>	L
Mai Poina Oe Iau Beach Co. Park	HIW00025	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Mai Poina Oe Iau Beach Co. Park (Kihei N. Station)	HI715975	C	Dry	TP, Turbidity, Chl <i>a</i>	L
Makena Landing Beach	HI245556	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Makena Landing-Malu'aka Beach	HIW00142	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Mala Wharf	HIW00171	C	Dry	Enterococci, TP, Turbidity, Chl <i>a</i>	<u>L</u>

**Table 10. Maui Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Mala Wharf Area	HIW00138	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Mala Wharf-West Maui Coast	HIW00123	C	Dry	Turbidity, Chl <i>a</i>	<u>L</u>
Maliko Bay	HI423064	C	Dry	Enterococci, Turbidity	L
Malu'aka Beach	HI847607	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	L
Mokule'ia Beach	HI977299	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, Turbidity, Chl <i>a</i>	<u>L</u>
Napili Bay	HI764060	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
Olowalu (Shorefront)	HIW00021	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Olowalu (Teen Challenge)	HI491359	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Oneloa Bay Beach	HI740710	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	<u>L</u>
Oneloa Beach (Big Beach) (Makena Beach Station)	HI279887	C	Dry	NH <sub>4</sub> , Turbidity	L
Oneloa Beach (Big Beach)- Ahihi-Kinau	HIW00144	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Chl <i>a</i>	L
Oneuli Beach	HI756040	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Chl <i>a</i> , Turbidity	L
Papalaua	HI462219	C	Dry	Turbidity	L
Papalaua Pali	HIW00216	C	Dry	Turbidity	L
Poolenalena Beach	HI684864	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Poolenalena-Makena Landing	HIW00143	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Chl <i>a</i>	L
Palauea Beach Park	HI997014	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
Pu'unoa Beach	HI373055	C	Dry	Turbidity	<u>L</u>
Spreckelsville	HI789952	C	Dry	Turbidity	L
Ukumehame Beach Co. Park	HI814309	C	Dry	Turbidity	L
Ulua Beach Park	HI588333	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Wahikuli State Wayside Park	HI169380	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
Waiehu Beach Co. Park	HI916183	C	Wet	Turbidity	L
Wailea Beach Park	HI278988	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Waipulani	HI284036	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity	L
West Maui Coast-Honokeana Cove	HIW00044	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
West Maui Coast-Kahana Cove	HIW00045	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
West Maui Coast-Kahana Sunset	HIW00075	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Chl <i>a</i>	<u>L</u>



**Table 10. Maui Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
West Maui Coast-Kahana Village	HIW00076	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
West Maui Coast-Kaopala Bay	HIW00046	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
West Maui Coast-Lokelani	HIW00077	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
West Maui Coast-Napili Bay	HIW00078	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
West Maui Coast-near shore waters to 60' from Honolua-Lahaina	HIW00060	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, TSS	<u>L</u>
West Maui Coast-S-Turns (Pohaku)	HIW00047	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
West Maui-Papakea	HIW00079	C	Dry	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	<u>L</u>
West Maui-Puamana	HIW00080	C	Dry	Turbidity, Chl <i>a</i>	<u>L</u>
<b>Total Number of Maui Marine Waters Listed for At Least One Impairment</b>				<b>88</b>	

TMDL Priority Codes: High (H), Medium (M), & Low (L) priority for initiating TMDL development within the current monitoring and assessment cycle; IP = TMDL development in progress; NA = not applicable;

**Table 11. Hawaii Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
2nd Beach (next to Mahaiula)	HI616452	K	NA	Turbidity	L
Anaehoomalu Bay	HI326172	K	NA	Turbidity	L
Analanui Pond (Puala'a)	HI707059	C	Dry	Turbidity	L
Banyan's Surfing Area	HI713314	K	NA	Turbidity	L
Hapuna Beach St. Recreation Area	HI621002	K	NA	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, Turbidity, Chl <i>a</i>	L
Hilo Bay (Boat Landing)	HIW00027	B	Wet	Turbidity, Chl <i>a</i>	L
Hilo Bay (Canoe Beach)	HI315019	B	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	L
Hilo Bay (Coconut Isle)	HI977673	B	Wet	Turbidity	L
Hilo Bay (Exit of Ice Pond)	HI659453	B	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP	L
Hilo Bay (Lighthouse)	HIW00028	B	Wet	Enterococci, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, Turbidity	L
Hilo Bay (Offshore)	HIW00031	B	Wet	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Hilo Bay-inshore of breakwater and near shore waters from Wainaku to Paukaa	HIW00098	B	Wet	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity	L
Holoholokai	HI582331	K	NA	Turbidity	L
Honaunau Bay (2 Step)	HI246645	K	NA	Turbidity	L
Honokohau Beach	HI315174	K	NA	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, Turbidity, PO <sub>4</sub>	L
Honoli'i Beach Co. Park	HI857411	C	Wet	Turbidity	L
Ho'okena	HI857411	C	Wet	Turbidity	L
James Kealoha Park	HI670254	C	Wet	Turbidity	L
Kahalu'u Beach Co. Park	HI013290	K	NA	Turbidity	L
Kahoiawa Bay	HIW00150	K	NA	TN, Turbidity	L
Kahoiawa Bay-Makalawena	HIW00151	K	NA	TN, Turbidity	L
Kahuwai Bay-Mano Point	HIW00153	K	NA	NH <sub>4</sub> , TN, TP, NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, PO <sub>4</sub>	L
Kailua Bay	HI753566	K	NA	Turbidity	L
Kakapa Bay	HIW00152	K	NA	TN, Turbidity	L
Kamakaokahonu	HIW00032	K	NA	Turbidity	L
Kamakaokahonu (Kailua Pier A-1)	HI261474	K	NA	TP, Turbidity	L
Kapoho Bay	HI391407	C	Dry	Turbidity	L
Kapoho Tidepools (Vacationland)	HI122881	C	Dry	Turbidity	L

**Table 11. Hawaii Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Kauilii Point-Kapaa Beach Park	HIW00201	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Chl <i>a</i>	L
Kauilii Point-Kapaa Beach Park (Oceanic)	HIW00202	O	NA	TN, TP, Turbidity, Chl <i>a</i>	L
Kauna'oa Beach	HI261869	K	NA	Turbidity	L
Ka'upulehu	HI770607	K	NA	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, Turbidity, PO <sub>4</sub>	L
Kawaihae Harbor	HI978783	B	Dry	Turbidity	L
Kawaihae Harbor/Pelekane Bay	HIW00155	B	Dry	Turbidity	L
Keahole Point	HIW00203	K	NA	NH <sub>4</sub>	L
Kealakekua Bay	HIW00149	K	NA	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, Turbidity, PO <sub>4</sub>	L
Kealakekua Bay (off Curio Stand)	HIW00183	K	NA	Turbidity	L
Keauhou Bay (Kona)	HI713293	B	Dry	Turbidity	L
Kolekole Beach Co. Park	HI693485	C	Wet	Turbidity	L
Kuki'o Bay	HIW00154	K	NA	TN, NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, PO <sub>4</sub>	L
Leleiwi Beach Co. Park	HI540868	C	Wet	Turbidity	L
Mahukona Harbor	HIW00197	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Mahukona Harbor (Oceanic)	HIW00198	O	NA	TN, TP, NH <sub>4</sub> , Turbidity, Chl <i>a</i>	L
Makaohule Point-Kauilii Point	HIW00199	C	Dry	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Chl. <i>a</i>	L
Makaohule Point-Kauilii Point (Oceanic)	HIW00200	O	NA	TN, TP, Turbidity, Chl <i>a</i>	L
Manini'owali	HI720408	K	NA	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity	L
Mauna Lani (Kalahaupua'a)	HI890924	K	NA	Turbidity	L
Miloli'i Beach	HI470112	C	Dry	Turbidity	L
Onekahakaha Beach Co. Park	HI862286	C	Wet	Turbidity	L
Onekahakaha Beach Co. Park (Puhi Bay #3)	HIW00029	C	Wet	Turbidity, Chl <i>a</i>	L
Paoao Point to Keaweakeheka Point	HIW00145	K	NA	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, PO <sub>4</sub>	L
Pelekane Bay	HI738158	K	NA	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, Turbidity, Chl <i>a</i>	L
Pine Trees	HI320616	K	NA	TN, Turbidity	L

**Table 11. Hawaii Marine Listed Waters**

<b>Assessed Water Body</b>	<b>Water Body ID</b>	<b>Water Body Type</b>	<b>Wet/Dry Criteria</b>	<b>Impairment(s)</b>	<b>TMDL Priority</b>
Pine Trees-Honokohau	HIW00146	K	NA	NO <sub>3</sub> +NO <sub>2</sub> , TP, Turbidity, PO <sub>4</sub>	L
Pohoiki Beach	HI316864	C	Dry	Turbidity	L
Puako	HI668132	K	NA	Turbidity	L
Spencer Beach Co. Park	HI936372	K	NA	Turbidity, Chl a	L
Waiulaula	HI934020	K	NA	TN, NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, Turbidity, Chl <i>a</i>	L
Waiulua Bay to Anaehoomalu Bay	HIW00148	K	NA	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , TP, Turbidity, Chl <i>a</i> , PO <sub>4</sub>	L
Wawaloli Beach	HI643938	K	NA	NO <sub>3</sub> +NO <sub>2</sub> , NH <sub>4</sub> , Turbidity, PO <sub>4</sub>	L
Wawaloli Beach-Pine Trees	HIW00147	K	NA	NO <sub>3</sub> +NO <sub>2</sub> , Turbidity, PO <sub>4</sub>	L
White Sands Beach Co. Park (Magic Sands)	HI436267	K	NA	Turbidity, Chl a	L
<b>Total Number of Hawaii Marine Waters Listed for At Least One Impairment</b>				<b>62</b>	

TMDL Priority Codes: High (H), Medium (M), & Low (L) priority for initiating TMDL development within the current monitoring and assessment cycle; IP = TMDL development in progress; NA = not applicable;