

Education and Outreach

Hawai'i Department of Health • Clean Water Branch
Polluted Runoff Control Program

Why is Education & Outreach Important?

- Accountability to our shareholders (taxpayers)
- Public safety (warnings, advisories, etc.)
- Inform the public
- Facilitate community involvement opportunities (clean up days, etc.)
- Create networking opportunities, bring together implementers
- Grant condition (e.g., PRC 319(h) Clean Water Act grant)



DOH Polluted Runoff Control Program **Past Education and** **Outreach Efforts**

DOH Polluted Runoff Control Program

Past Education and Outreach Efforts



DOH Polluted Runoff Control Program

Past Education and Outreach Efforts



Don't Trash Our Waves.

Keep dirt and litter out of Hawai'i's waters.

www.hawaii.gov/health/environmental/water/cleanwater/pre/index.html

Pick it up.

Plant it.

Protect it.



DOH Polluted Runoff Control Program **Current Education and** **Outreach Efforts**

Current Education and Outreach Efforts

- Emphasize implementation projects and focus on water quality improvements
- Meet with decision makers (community groups, property owners, etc.)
- Discuss State procurement
- Increase agency partnerships (DLNR, UH, etc.)
- Require contractor outreach, including press releases
- Technology investments

DOH Polluted Runoff Control Program


PRC Projects Viewer

ENVIRONMENTAL HEALTH PORTAL

Clean Water Branch

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Ongoing Water Quality Advisories

Brown Water Advisory at Kalihiwai Bay Beach, Kaua'i	Jul 30, 2019
Brown Water Advisory at Hilo Bay, Hawai'i	Jul 29, 2019

[View ongoing advisories in map viewer](#)

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Advisories

Find beach advisories, brown water advisories and sewage spills, including locations and documents.

List

Map

Polluted Runoff Projects

Find polluted runoff control projects, including locations, contacts, resources and photographs.

List

Map

Watershed Based Plans

Find polluted runoff control watershed based plans, including web resources and documents.

>

Watersheds

Find watersheds, including polluted runoff projects and watershed based plans.

>

Frequently asked questions

Find answers to common water quality advisory related questions.

>

DOH Polluted Runoff Control Program

PRC Projects Viewer

Viewer

Export

Water Quality Advisories

Polluted Runoff Projects

Island

(All)

Manoa Watershed Improvement Project

COMPLETED

Ma'ili'ili Watershed Implementation Project

ACTIVE

Pelekane Bay Watershed Restoration Project, Phase 3

COMPLETED

Pelekane Grazing Improvement Project

ACTIVE

Protection and Monitoring of Watershed Partnerships' Water Resources

COMPLETED

Reducing Excessive Sedimentation in the Hakioawa Watershed of Kaho'olawe Island

COMPLETED

Reducing Excessive Sedimentation in the Hakioawa Watershed of Kaho'olawe Island (Phase 2)

ACTIVE

Replacing Cesspools with Advanced Wastewater Systems in Hanalei Bay Watershed







COMPLETED

Treatment Train: An Ahupua'a Approach to Watershed Best Management Practices in West Maui

ACTIVE



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PRC Projects Viewer



Viewer

Export



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Reducing Excessive Sedimentation in the Hakioawa Watershed of Kaho'olawe Island (Phase 2)

Active

ISLAND	COUNTY
Kaho'olawe	Maui

START DATE

Aug 9, 2018

END DATE

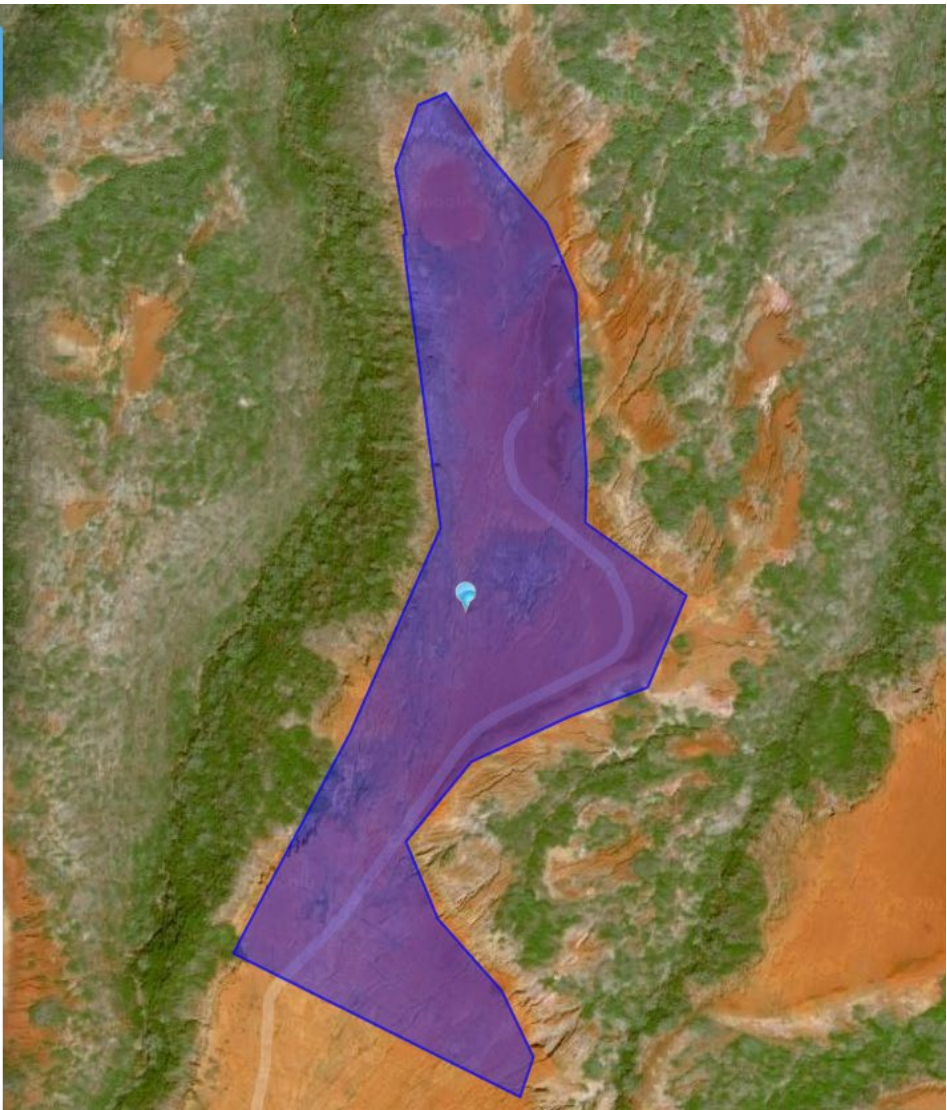
Aug 9, 2019

AWARD AMOUNT	AWARD BALANCE
\$49,586.34	\$15,966.52
MATCH AMOUNT	MATCH BALANCE
\$150,143.00	\$70,246.51

POLLUTANT LOAD REDUCTIONS

Sediment - 94.0 Tons

Details >



DOH Polluted Runoff Control Program PRC Projects Viewer

Reducing Excessive Sedimentation in the Hakioawa Watershed of Kaho'olawe Island (Phase 2)

• **ACTIVE**

MATCH BALANCE
\$70,246.51

Locations 1

Contacts 1

Resources 1

Photographs

ACTIVE

The Kaho'olawe Island Reserve Commission (KIRC) will build upon its Phase 1 project by removing invasive alien species of plants and installing ten thousand (10,000) native plants to reduce excessive sedimentation and erosion, increase biodiversity, and restore habitat for endangered native fauna in the watershed.

Feb 15, 2018

Aug 9, 2018

Aug 9, 2019

18-240

\$49,586.34

\$0.00

\$49,586.34

\$150,143.00

\$0.00

\$150,143.00

Kaho'olawe

◆ Hakioawa and Kaulana Watersheds

◆ Hakioawa

KIRC will engage volunteers from Queen Liliuokalani Children's Center, Hui Kapahe and KUPU, as well as various local schools, organizations, civic clubs, universities, and individuals to participate in the installation of BMPs and monitoring activities. KIRC will also develop an updated nonpoint source pollution brochure to post on its website.



1

Lyman Abbott

Kaho'olawe Island Reserve Commission
808/243-5884
labbott@kirc.hawaii.gov

[VIEW ALL](#)

1

0

DOH Polluted Runoff Control Program PRC Contractor Efforts

Kahoolawe watershed rehabilitation bearing fruit

By Mindy Pennybacker
mpennybacker@staradvertiser.com

The formerly bare, red-dirt slopes of Hakioawa watershed on the northern slopes of Kahoolawe island are now festooned with green through the labors of the Kahoolawe Island Reserve Commission and 199 volunteers from around the state.

August will mark the completion of a one-year watershed restoration project funded by a \$50,000 grant received through the state Department of Health, Clean Water Branch, Polluted Runoff Control Program and U.S. Environmental Protection Agency, KIRC announced Tuesday.

Work at the 108.7-acre project site, which rises from 400 to 1,300 feet in elevation, focused on soil erosion control through planting native flora and removing non-native weeds.

Every year, KIRC said, an esti-

mated 1.9 million tons of soil has eroded from Kahoolawe, its native habitat severely damaged by its former uses as a site for ranching, grazing goats and a U.S. military bombing range.

The danger of unexploded ordnance posed a special challenge at Hakioawa: No digging allowed.

"In this area, 90 to 95 acres were just surface-cleared of ordnance," said Paul Higashino, KIRC natural resource specialist. "We put in 20,000 plants without digging a hole."

The drought-resistant native plants included a variety of shrubs, ground cover and trees, such as aweoweo, aalii, kawelu, naio, wiliwili, ohai, uulei, mao and akiaki, a native coastal grass.

Volunteers contributed more than 3,000 hours and moved 120,000 pounds of rock "all by hand, taking care not to pick up rocks from cultural sites, or artifacts," Higashino said. They constructed wattles — soil erosion



control devices that also conserve water and serve as raised planting beds — by encasing rocks, soil and mulch with burlap. They also laid irrigation lines to the plants, fed by solar water pumps from holding tanks in a catchment area.

Now the plants are flowering and putting out seeds, as well as leaf litter, Higashino said with a laugh.

He added that slowing erosion also reduces runoff and sedimen-

tation in the ocean habitat.

Kahoolawe remains harsh, windblown and dry. A week after leaving the island, "You can feel the grit in your hair and your ear a week later," Higashino said.

But you also remember "beautiful views of Maui and the ocean, and when whales are there you can hear them slap the water with their tails."

For more information call 243-5020 or visit kahoolawe.hawaii.gov.



PHOTOS COURTESY KIRC

Students from King Kekaulike High School plant native flora, shrubs and trees at Hakioawa Watershed on Kahoolawe as part of a soil erosion control project, above. Volunteers lay a bed of mulch and rocks for native plants, below.



DOH Clean Water Branch

Water Quality Monitoring Section Outreach


DOH Clean Water Branch Monitoring Section

Clean Water Branch System - Advisories

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Ongoing Water Quality Advisories

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Brown Water Advisory at Kalihiwai Bay Beach, Kaua'i

Brown Water Advisory


POSTED DATE	CLOSED DATE
Jul 30, 2019	—

CAUSE
Runoff

ADVISEMENT
A Brown Water Advisory has been issued at Kalihiwai Bay Beach on Kaua'i.

Runoff has resulted in stormwater runoff entering into coastal waters. The public is advised to stay out of flood waters and storm water runoff due to possible overflowing cesspools, sewer, manholes, pesticides, animal fecal matter, dead animals, pathogens, chemicals, and associated flood debris. Not all coastal areas may be impacted by runoff, however, if the water is brown stay out. Continue to practice good personal hygiene and follow-up with your primary care physician if you have any health concerns.

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DOH Clean Water Branch Monitoring Section Water Quality Data



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Clean Water Branch



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If you have any questions, please contact us at: CleanWaterBranch@doh.hawaii.gov.

Water Pollution Control (WPC) Viewer for Public Access to Government Documents

The WPC Viewer offers quick and easy access to NPDES permits/WQC/documents, inspections, and enforcement actions. All non-confidential NPDES and Section 401 WQC documents, applications, correspondence, fact sheets, rationales, final permits/certifications, completed inspections, and enforcement actions can be viewed and downloaded through the WPC Viewer website. You can search for records by typing the permit number, facility name, or facility location in the search field; clicking on the link to the record; and pressing the Permit Information button. Alternatively, you can

- Water Quality
 - **Water Quality Notifications**
 - **General Health Advisory**
 - **Integrated Report and Total Maximum Daily Loads**
 - **Ocean Recreation Links**
 - **Sample Sites (Index & Descriptions)**
 - **Water Quality Data**
 - **Water Quality Standards Maps**

DOH Clean Water Branch Monitoring Section Water Quality Data



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Water Quality Data - Microbiology

WQD	Exceedance Maximum	Location	Index & Descriptions					Island	Google	Date	Spreadsheet download request	Chemistry
SampleNo	Location	Location Name	Island	Date	Time	Ent Qualifier	Enterococci	CP Qualifier	Clostridium	Comments		
GU07301905	000811	Kalihiwai Bay Beach Park		7/30/2019						No sample taken		
GU07301907	000800	Anahola Bay Pavilion	Kauai	7/30/2019	8:56 AM		02.3		0003	Cloudy		
GU07301901	000803	Haena Beach	Kauai	7/30/2019	6:46 AM		02.3	<	0001	Sunny, calm		
GU07301904	000804	Hanalei Bay Landing	Kauai	7/30/2019	8:00 AM		64		0003	Cloudy, calm		
GU07301906	000813	Kealia Beach Park	Kauai	7/30/2019	9:13 AM		02.3	<	0001	Sunny		
GU07301903	000833	Waioli Beach Park	Kauai	7/30/2019	7:44 AM		02.3		0007	Cloudy, calm		
GU07301902	000835	Kee Beach	Kauai	7/30/2019	7:05 AM		10	<	0001	Sunny, calm		
JL07301903	000169	Mokuleia Shoreline	Oahu	7/30/2019	9:02 AM		02.3		01.0	mostly sunny; windy; waves; shallow; rock/reef; beach goers; organic particles		
SM07301904	000172	Waimea Bay Shoreline	Oahu	7/30/2019	8:56 AM		02.3		02.0	sunny, light breeze, swimmers		
TM07301901	000183	Waianae Beach Shoreline	Oahu	7/30/2019	8:24 AM		02.3		02.0	2 swimmers, 1 canoe, sunny, light wind		
SP07301903	000195	Bellow's Field Beach	Oahu	7/30/2019	9:45 AM		02.3		01.0	partly cloudy, wind, boat		
SP07301902	000207	Kalama Beach	Oahu	7/30/2019	8:58 AM		02.3	<	01.0	partly cloudy, wind, swimmers		
SM07301906	000208	Kualoa Beach	Oahu	7/30/2019	10:07 AM		02.3		09.0	sunny, moderate wind		
SM07301903	000218	Chun's Reef	Oahu	7/30/2019	8:42 AM		02.3	<	01.0	sunny, light breeze		



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[Ocean Recreation Links](#)[Polluted Runoff Control Program](#)[Public Notices and Update](#)[Sample Sites](#)[Standard NPDES Permit Conditions](#)[Water Quality Data](#)[Water Quality Standards](#)[Workshop Presentations](#)

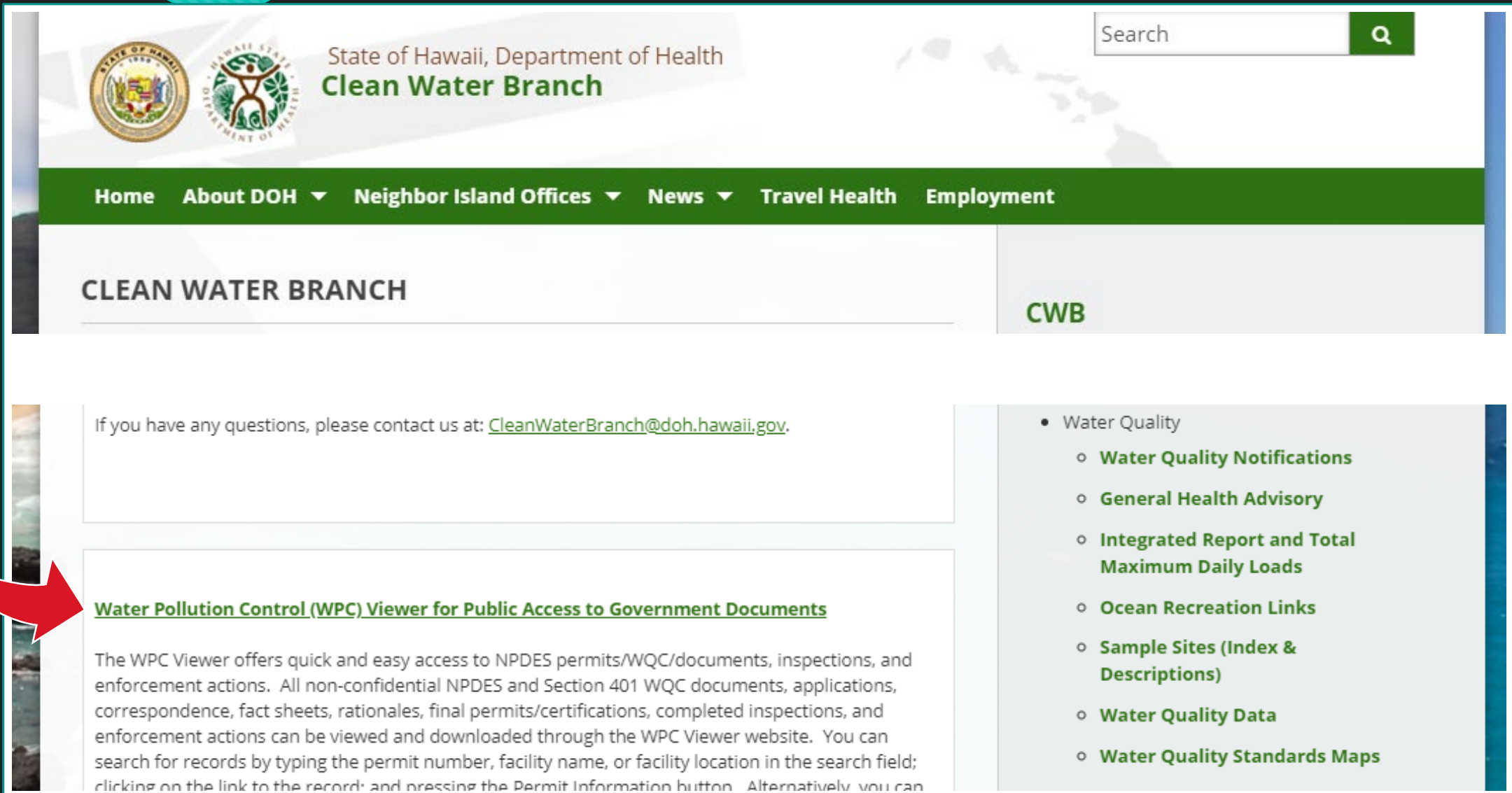
Water Quality Data - Chemistry

WQD		Location	Index & Descriptions						Island		Date	Spreadsheet download request	Microbiology	
Sample No	Date	Location Identifier	Location Name	Island		Total Suspended Solids	Filtered Ammonia N	Nitrate Nitrite N	Total Nitrogen	Total Phosphorus	Filtered Silica	Chlorophyll A	Comments	
NM06181801	6/18/2018	001136	Richardson Ocean Center	Hawaii-Hilo			00.005	00.065	00.106	00.029		00.500		Select
NM06181802	6/18/2018	001114	Kauakaha Beach - 4 Miles	Hawaii-Hilo			00.009	00.132	00.199	00.026		00.240		Select
NM06181803	6/18/2018	001126	Onekahakaha Beach Swimming Area	Hawaii-Hilo			00.006	00.136	00.182	00.015		00.750		Select
NM06181804	6/18/2018	001138	Hilo Bay (Canoe Beach)	Hawaii-Hilo			00.014	00.209	00.300	00.035		05.210		Select
NM06181805	6/18/2018	001110	Honoluli Cove (Ocean)	Hawaii-Hilo			00.011	00.022	00.128	00.015		00.280		Select
GU09271701	9/27/2017	000817	Naviliwili Harbor	Kauai	016.00		00.006	00.007	00.076	00.012	< 00.500	00.150		Select
GU09271702	9/27/2017	000821	Port Allen Pier	Kauai	016.00		00.006	00.006	00.078	00.012	< 00.500	00.880		Select
GU09251701	9/25/2017	000821	Port Allen Pier	Kauai	016.00		00.010	00.005	00.069	00.013	< 00.500	00.230		Select
GU09251702	9/25/2017	000817	Naviliwili Harbor	Kauai	018.00		00.008	00.012	00.097	00.011	< 00.500	00.290		Select
GU09111701	9/11/2017	000817	Naviliwili Harbor	Kauai	013.00		00.006	00.015	00.080	00.012	< 00.500	00.940		Select
GU09111702	9/11/2017	000821	Port Allen Pier	Kauai	016.00	<	00.002	00.003	00.043	00.015	< 00.500	01.400		Select
GU08301701	8/30/2017	000817	Naviliwili Harbor	Kauai	014.00		00.006	00.009	00.142	00.011	00.648	00.500		Select
GU08301702	8/30/2017	000821	Port Allen Pier	Kauai	016.00		00.014	00.008	00.122	00.013	< 00.500	01.500		Select
GU08281701	8/28/2017	000817	Naviliwili Harbor	Kauai	019.00		00.008	00.012	00.134	00.016	< 00.500	00.950		Select
GU08281702	8/28/2017	000821	Port Allen Pier	Kauai	019.00		00.012	00.011	00.125	00.015	< 00.500	00.950		Select
GT08161701	8/16/2017	322201	Heeia Mouth	Oahu	017.00	<	00.002	00.021	00.102	00.020	01.440	00.000	0.00 value for chlorophyll a means that this parameter was not analyzed.	Select
GT08161702	8/16/2017	322202	Heeia Lower	Oahu	005.00		00.012	00.153	00.540	00.028	30.900	00.000	0.00 value for chlorophyll a means that this parameter was not analyzed.	Select
GT08161703	8/16/2017	322203	Heeia Upper	Oahu	001.00		00.006	00.061	00.129	00.028	30.200	00.000	0.00 value for chlorophyll a means that this parameter was not analyzed.	Select


The background consists of a teal upper section and a black lower section, separated by a jagged, hand-cut style horizontal line. The text is positioned in the black section.

DOH Clean Water Branch **NPDES Permit Outreach**

DOH Clean Water Branch Engineering Section Water Pollution Control Viewer



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DOH Clean Water Branch Engineering Section

Water Pollution Control Viewer



DOH Clean Water Branch Engineering Section

Water Pollution Control Viewer

24 sites found

Results

Filter

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Show sites with no location

Refrigerant Recycling Plant
Permitted Facility

Malakole Industrial Park Drainage
Ditch
Permitted Facility

The Phoenixian, LLC
Permitted Facility

Temporary Retention Basin / Kapolei
Harborside Drainage Channel
Permitted Facility

A New Warehouse Facility for Hawaii
Supply at Kenai Industrial Park
Permitted Facility

Pier P-7 and Storage Yard S-6, Kalaeloa
Barbers Point Harbor, H.C. 10017 (1)
Permitted Facility

Sun Home Metal, Inc.
Permitted Facility

Ground Transport Inc. - Annex
Permitted Facility

Kalaeloa Barbers Point Harbor Pier P-5
Extension Job No. HC 1924
Permitted Facility

Kalaeloa Barbers Point Harbor
Permitted Facility

1

2

3

4

5

MILES

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Water Pollution Control Viewer

24 sites found

Results

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Refrigerant Recycling Plant
Permitted Facility

Malakole Industrial Park Drainage Ditch
Permitted Facility

**The Phoenician, LLC
Permitted Facility**

Temporary Retention Basin / Kapolei Harborside Drainage Channel
Permitted Facility

A New Warehouse Facility for Hawaii Supply at Kenai Industrial Park
Permitted Facility

Pier P-7 and Storage Yard S-6, Kalaeloa Barbers Point Harbor, H.C. 10017 (1)
Permitted Facility

Sun Home Metal, Inc.
Permitted Facility

Ground Transport Inc. - Annex
Permitted Facility

Kalaeloa Barbers Point Harbor Pier P-5 Extension Job No. HC 1924
Permitted Facility

Kalaeloa Barbers Point Harbor
Permitted Facility

The Phoenician, LLC

91-573 Malakole Street, Kapolei, HI 96707. On OAHU.

Map

Permits

HIR20D294

Permit Information

The Phoenician, LLC
Notice of General Permit Coverage
Form B: Storm water associated with industrial activity

Extended

HIR20B748

Permit Information

The Phoenician, LLC
Notice of General Permit Coverage
Form B: Storm water associated with industrial activity

Terminated

HIR10B585

Permit Information

The Phoenician, LLC
Notice of General Permit Coverage
Form C: Storm water associated with construction activities

Terminated

DOH Clean Water Branch Engineering Section

Water Pollution Control Viewer

 **The Phoenician, LLC**
91-573 Malakole Street, Kapolei, HI 96707. On OAHU.

 Site

HIR20D294

The Phoenician, LLC
Notice of General Permit Coverage
Form B: Storm water associated with industrial activity

Extended

Current Version

Issued on: 12/9/2013
Effective on: 12/9/2013
Expires on: 12/5/2017

Facility/Project Contact

John Gomersall, Operations Manager
808-682-1961

Complaints

No complaints have been reported

Complete Inspections

Inspected on 2/18/2009
Compliance Evaluation (non-sampling) - COM

Enforcement Actions

Written Notice of Apparent Violation (NAV) issued on 2/24/2009 Closed

Documents

090305.RE_Incomplete Notice of Intent (NOI) for The Phoenician (HI R20D294) - 2.pdf
Permit document (2298 KB)

20151021.DMR for July-September 2015-HIR20D294.PDF
Permit document (1188 KB)

20111230.DMR-Jan. to Dec. 2011-R20D294
Permit document (92 KB)

090403.Incomplete Notice of Intent (NOI) for The Phoenician (HI R20D294).pdf
Permit document (110 KB)

20121019.R20D294.EXT.12
Permit document (29 KB)

Links and Contact Information

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health.hawaii.gov/cwb
- CWB System:
eha-cloud.doh.hawaii.gov/cwb
- Water Quality Data:
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