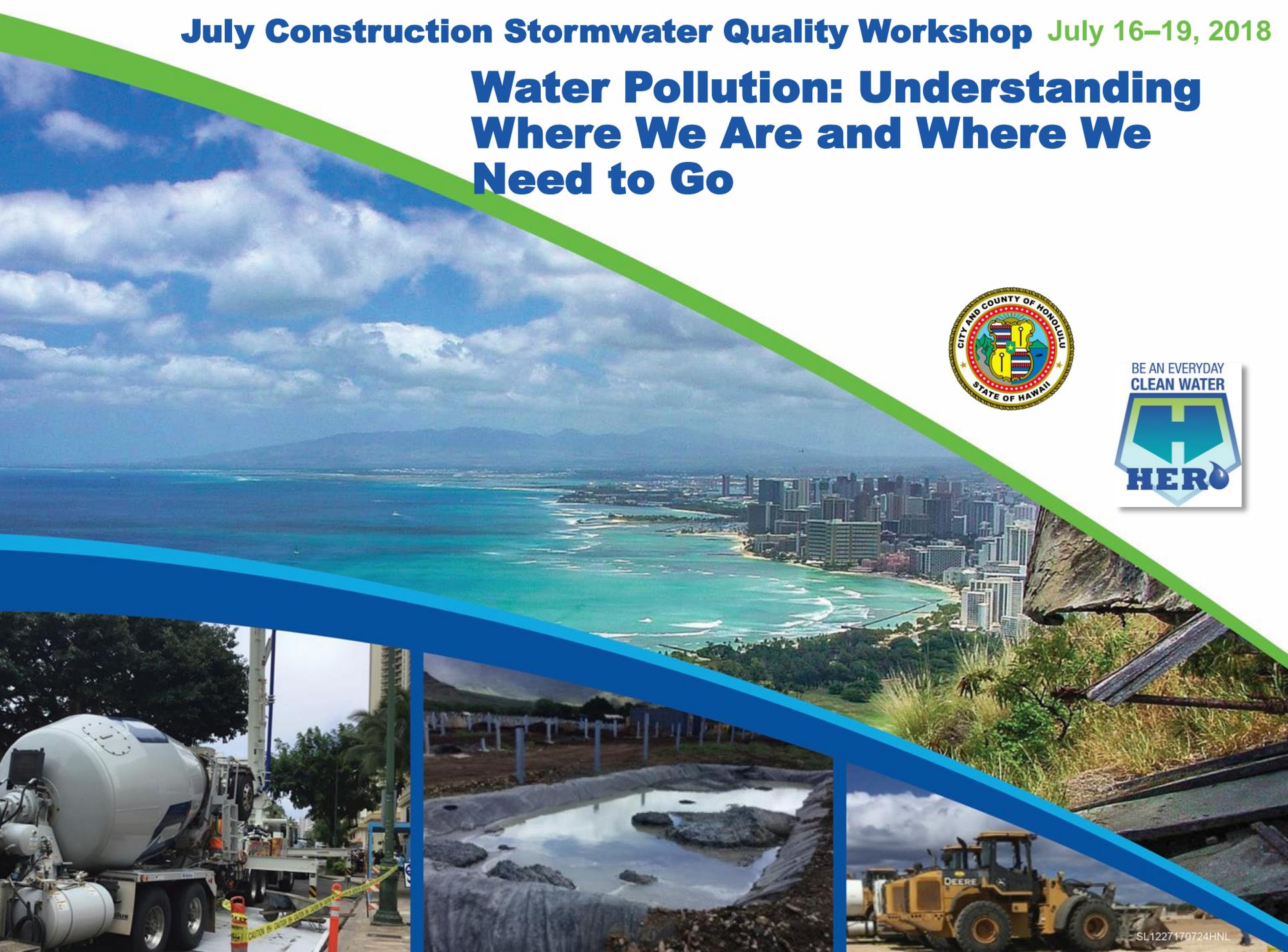


Water Pollution: Understanding Where We Are and Where We Need to Go



Water Quality Through- Out Oahu

Where are we today?





Sunset Beach, North Shore Oahu, July 2018

Sand Island Beach Park, South Shore
Oahu, July 2018



East Shore, Oahu, 2018



West Shore, Oahu, 2018



NPDES Regulation Water Pollution Sources

Why is that?





Raw Wastewater, East Honolulu, Oahu



Treated Wastewater, East Honolulu,
Oahu



**Treated Wastewater Discharge
Location, East Honolulu, Oahu**



Power Plant Intake Structure, Oahu



Power Plant Outfall/Discharge Point,
Oahu



Used Cooking Oil, Pearl City, Oahu

(Circa 2007)



Used Cooking Oil, Pearl City, Oahu

(July 2018)

07.16.2018



Manana, Pearl City, Oahu

(July 2018)



Construction Site, Mililani, Oahu

(Circa 2005)



Construction Site, Fort Shafter, Oahu

(Circa 2006)



Construction Site, West Maui, Maui

(Circa 2016)



Construction Site, Princeville, Kauai

(Circa 2016)

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BIG ISLAND KAUAI LANAI MAUI MOLOKAI OAHU
FIGHT CRIME. FIND YOUR STUFF.*
PLEASE READ AND ABIDE BY THE HOUSE RULES WITHIN THIS POST.
*SSH covers a wide variety of topics such as lost & found pets & items, missing persons, personal security, law enforcement, scams, on-topic humor, and current events.

[Join Group](#) [More](#) [Join this group to post and comment.](#)

Sean Mirafuentes
July 7 at 1:11 PM
They have to check what they dumped yesterday. Ill keep everyone updated if I find out

223 Likes · 21 Comments · 18 Shares

[Like](#) [Share](#)

Gema Genzol, Mary Ann Nahaku, Tanya Letoa-Chew and 220 others like this.
18 Shares

View 17 more comments

Robert Park Terrible, but probably not as bad to marine life as sunscreen.
Like · 5d

Pam Self Saw the cops over there yesterday talking to the guy who dumped that stuff.
Like · 5d

Neil Campanano What street in Ewa Beach?
Like · 5d

Debbi Auld Its resolved. Sad that people got violent over it. Not a healthy way to handle community situation!
Like · 5d

Samantha Oerola Exactly!
Like · 5d

English (US) · Español · Português (Brasil) · Français (France) · Deutsch
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Ewa Beach, Illicit Discharge, Ewa Beach, Oahu



Post Storm Water Quality- Lost Ecosystems

Then why are we here?





Post Storm, Ala Moana, Oahu

(Circa 2015)



Post Storm, Ala Wai Small
Boat Harbor, Oahu

(Circa 2016)



Warning Sign, Waikiki Beach,
Oahu

(Circa 2017)

Uncontrolled Water Pollution Sources

What's the problem?





**Kapolei Mauka, Conservation
and Agricultural Land**

(July 2018)



Punaluu Beach Park Comfort Station,
Punaluu, Oahu

(July 2018)



**Kualoa Beach Park (former
comfort station location),
Kualoa, Oahu**

2018/07/12

(July 2018)



Kualoa Beach Park (former
comfort station location),
Kualoa, Oahu

(July 2018)



Kamehameha Highway,
Kaaawa, Oahu

(July 2018)

07.12.2018





Hamakua Marsh, Kailua, Oahu

(July 2018)

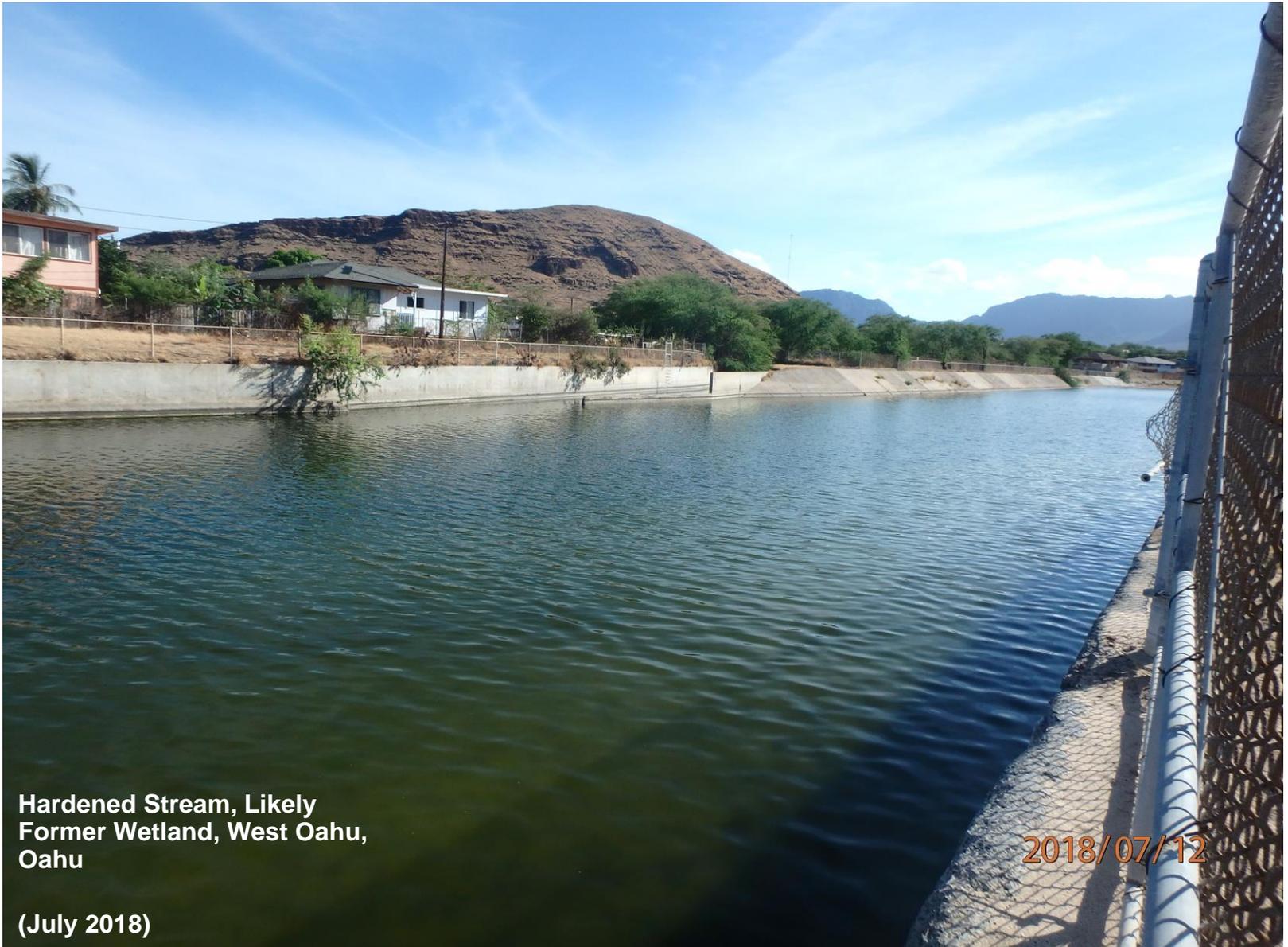
2018/07/12



Ala Wai Canal, Oahu

(July 2018)

2018/07/12



**Hardened Stream, Likely
Former Wetland, West Oahu,
Oahu**

2018/07/12

(July 2018)



Stream Mouth, West Oahu,
Oahu

(Circa 2010)



Downstream of a Former
Wetland, West Kauai, Hawaii

(Circa 2014)



Continued Storm Water Improvement- Return Natural Systems

So Where Are We Going Next?





Metro Honolulu, Oahu

(July 2018)

2018/07/12



Metro Honolulu, Oahu

(July 2018)

2018/07/12

Protecting Māili beach waters with a GRAVEL INFILTRATION TRENCH



BEFORE



At Māili Beach Park, the City and County of Honolulu installed 870 square feet of gravel infiltration trenches. These are long rock-filled trenches that will remove pollutants like oil, grease, toxins, and dirt from parking lot runoff. This helps to keep Māili beach a safer place to play.

A GRAVEL INFILTRATION TRENCH is a type of **LOW IMPACT DEVELOPMENT (LID)** — a means to control storm water quality at its source, using methods to promote infiltration, retention, and treatment of pollutants.

YOU can help to protect Māili beach waters too!
Installing LIDs can be simple, let us show you how by visiting www.cleanwaterhonolulu.com





Post Construction Storm Water BMP,
Māili Beach Park, Oahu

2018/07/12

(July 2018)



Ala Wai Driving Range, Oahu



Post Construction Storm Water BMP,
Maili Beach Park, Oahu

2018/07/12

(July 2018)



2018/07/12
Ala Wai Community Park,
Oahu



New Urban Re-Development,
Kakaako, Oahu

(July 2018)



SALT, Kakaako, Oahu

(July 2018)



Target, Kailua, Oahu

(July 2018)



University of Hawaii, Campus Center, Manoa, Oahu

2018/07/12

(July 2018)



University of Hawaii, New Building
and Promenade, Manoa, Oahu

(July 2018)



Hale Ola, Department of Health, Environmental Management Division Parking Lot, Pearl City, Oahu

(July 2018)



Mailiili Stream, West Oahu,
Hawaii

(July 2018)

2018/07/12



M-1 Fork of Maililili Stream, West Oahu, Hawaii

(Circa 2009)



M-1 Fork of Mailiilii Stream, West Oahu, Hawaii

(July 2018)

2018/07/12



M-1 Fork of Mailiilii Stream, West Oahu, Hawaii

(July 2018)

2018/07/12



Sunset Beach, Hawaii

(July 2018)

2018/07/12