

Hawaii Department of Health

SAFE DRINKING WATER BRANCH EDUCATION AND OUTREACH ACTIVITIES

2019

Joint Government Water Conference

08/06/2019: Kauai
08/12/2019: Oahu
08/20/2019: Hilo
08/27/2019: Kona
08/29/2019: Maui



Environmental Health Administration
Healthy People • Healthy Communities • Healthy Islands

SDWB MISSION

The mission of the Safe Drinking Water Branch of the Hawaii Department of Health is to safeguard public health by protecting Hawaii's drinking water sources (surface water and groundwater) from contamination and assure that owners and operators of public water systems provide safe drinking water to the community.



How Do We Accomplish Our Mission

This mission is accomplished through the administration of the Safe Drinking Water Program, Underground Injection Control Program (UIC), Operator Certification Program, Groundwater Protection Program, Source Water Assessment and Protection Program and the Drinking Water State Revolving Fund (DWSRF).



SDWB Education and Outreach Presentation Outline

- **Drinking Water Program (Regulatory)**
- **Groundwater Protection/Source Water Assessment and Protection Program (Non-Regulatory)**
- **SDWB Priorities: Activities to implement Education and Outreach Activities**



SDWB Education & Outreach

Drinking Water

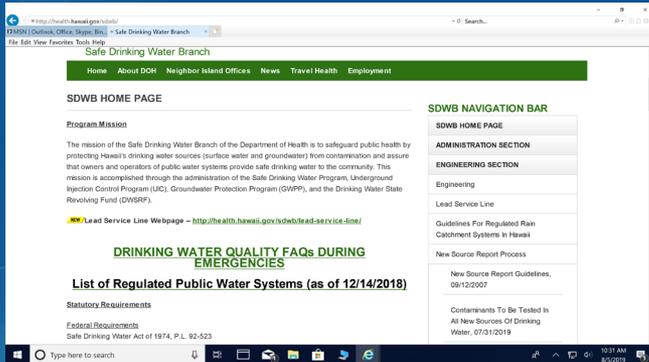
- **Section I: Water Systems/Stakeholders**
 - SDWB Website
 - SDWB Newsletter
 - Technical Assistance Providers
 - Training and Presentations
- **Section II: Consumers**
 - Public Notification Requirements
 - Consumer Confidence Reports
- **Section III: Schools and Community Activities**



SDWB Education & Outreach

Drinking Water

- **Section I: Water Systems/Stakeholders**
 - SDWB Website
 - SDWB Newsletter
 - Technical Assistance Providers (Next Presentation)
 - Training and Presentations



SDWB Education & Outreach

Drinking Water

- **Section II: Consumers**
 - Public Notification Requirements
 - Consumer Confidence Reports

2019 ANNUAL

WATER QUALITY REPORT

Federal and state law requires testing your drinking water for many different types of contaminants. Below is a complete list.

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Regulated Primary Contaminants

Acrylamide	2,4-D	Fecal coliform	Selenium
Alachlor	Dalapon	Fluoride	Simazine
Alpha emitters	Di (2-ethylhexyl)adipate	Glyphosate	Styrene
Antimony	Dibromochloropropane (DBCP)	Haloacetic Acids (HAA5)	Tetrachloroethylene (PCE)
Arsenic	o-Dichlorobenzene	Heptachlor	Thallium
Asbestos (>10 micron)	p-Dichlorobenzene	Heptachlor epoxide	Toluene
Atrazine	1,2-Dichloroethane	Hexachlorobenzene	Total coliform
Barium	1,1-Dichloroethylene	Hexachlorocyclopentadiene	Total Trihalomethanes (THMs)
Benzene	cis-1,2-Dichloroethylene	Lead	Toxaphene
Beryllium	trans-1,2-Dichloroethylene	Lindane	2,4,5-TP
Beta/photon emitters	Dichloromethane	Mercury (total)	1,2,4-Trichlorobenzene
Bromate	1,2-Dichloropropane (DCP)	Methoxychlor	1,1,1-Trichloroethane
Cadmium	Dinoseb	Nitrate (as N)	1,1,2-Trichloroethane
Carbofuran	Dioxin	Nitrite (as N)	Trichloroethylene (TCE)
Carbon tetrachloride	Di(2-ethylhexyl)phthalate	Oxamyl (Vydate)	1,2,3-Trichloropropane (TCP)
Chlordane	Diquat	Picloram	Turbidity
Chlorite	Endothall	Pentachlorophenol	Uranium
Chlorobenzene	Endrin	Picloram	Vinyl chloride
Chromium (total)	Epichlorohydrin	Polyaromatic hydrocarbons	Xylenes (total)
Copper	Ethylbenzene	[benzo(a) pyrene]	
Cyanide	Ethylene dibromide (EDB)	Radium 226 + 228	

Unregulated Contaminants

Boron	Chloride	HAA6Br	Sodium
Bromoform	Chlorodifluoromethane	HAA9	Strontium
1-Butanol	Chromium, hexavalent	Manganese	Vanadium
Chlorate	Dieldrin	Methyl t-Butyl Ether (MTBE)	

Measurements In this report, one part per million (ppm) is the same as one milligram of the substance in one liter of water (mg/L). To put this into perspective, one part per million is approximately one second in 11.5 days. One part per billion (ppb) is even smaller – about 1 second in 31.7 years.

Board of Water Supply
City and County of Honolulu
630 South Beretania Street
Honolulu, Hawaii 96843
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SDWB Education & Outreach

Groundwater/Source Water Protection

- **Section I: Water Systems/Stakeholders**
 - Training and Presentations
(Water Quality/Water Protection Related)
(Financial Assistance/Funding Related)
 - Joint Government Water Conference (schedule in odd # years)
 - Cooperation/Collaboration with other Programs
(Agriculture) (Wastewater: Cesspools/OSDS/Water Reuse)
- **Section II: Consumers and Water Quality Data**
 - Groundwater Contamination Viewer



SDWB Education & Outreach

Groundwater/Source Water Protection

- **Section III: Schools/Education and Community/Outreach Activities**
 - Project Water Education for Teachers (WET)
 - State Science Fair
 - Schools and Presentations
 - Others
 - Earth Day
 - County Fairs



SDWB Education & Outreach

Groundwater/Source Water Protection

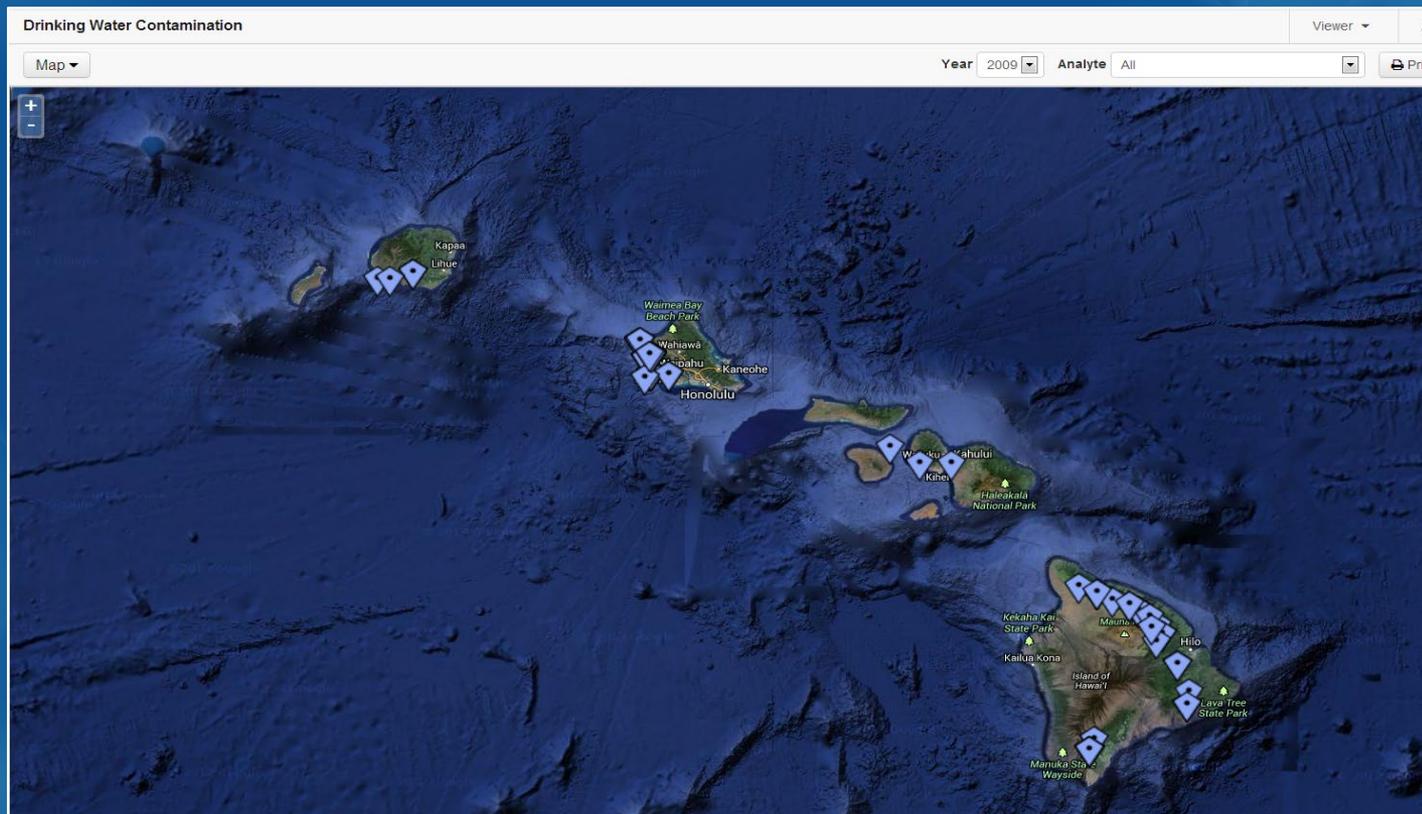
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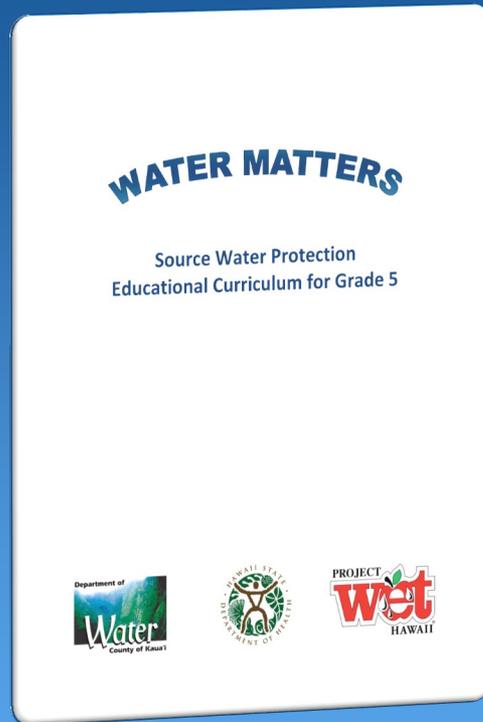
SDWB Education & Outreach

Groundwater/Source Water Protection

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Water Matters

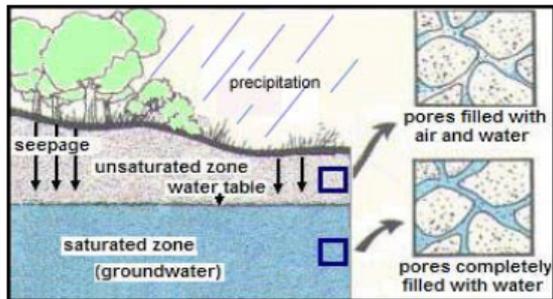


**Outlines Project WET
activities and correlates
Common Core State
Standards specific to
5th Grade.**

Get the Groundwater Picture

GET THE GROUNDWATER
PICTURE

JUST UNDERSTANDING GROUNDWATER
(JUG)
USING MODELS



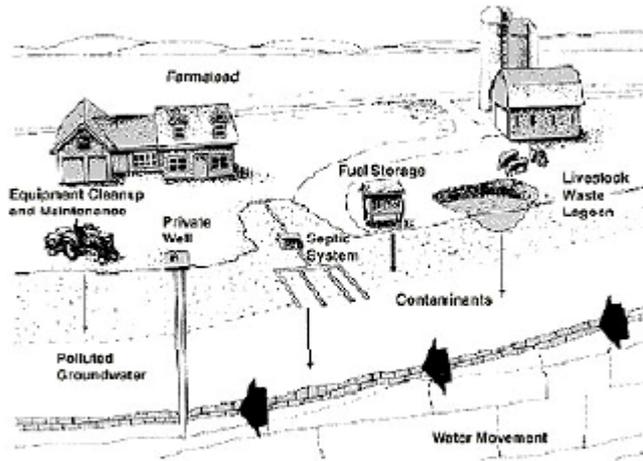
A Project WET Educators' Workshop

DATE
LOCATION

**Outlines Project WET
activities and the use of
models to understand
groundwater concepts.**

Just Understanding Wastewater

SUPER BOWL SURGE JUST UNDERSTANDING WASTEWATER



A Project WET Educators' Workshop

DATE
LOCATION

Outlines Project WET activities and the use of various activities to understand wastewater concepts.

WELCOME TO THE GROUNDWATER CAFE



This week is Groundwater Awareness Week and welcome to the Groundwater Awareness Lunch. Today, we hope to fill your mind with knowledge and your bellies with food.



WELCOME TO THE GROUNDWATER CAFE

THE SMOOTHIE BAR

POROSITY: Amount of Empty Space within a Given Material.

What will retain more water – sand, gravel or rock?

- **SAND: BLUEBERRIES**
- **GRAVEL: STRAWBERRIES**
- **ROCK: BANANA**



WELCOME TO THE GROUNDWATER CAFE

THE SALAD BAR:

Learn How Water/
Contaminants Flow
(Permeability).

- Mason Jar Salads



WELCOME TO THE GROUNDWATER CAFE

DESSERTS:

Build Your Own Aquifer. What is a Confined Aquifer

- Ice Cream Sundaes
- Desserts

Weekend **BAKER**

Sweet variations

Layer cheesecake batter or pudding with other classic ingredients in small jars or drinking glasses. Try these delicious combos or invent your own. The possibilities are endless!

Chocolate-hazelnut brownie

Chocolate-hazelnut cheesecake batter (from p. 106) + Brownie
Whipped cream + Chocolate shavings

Lemon pudding pound cake

Lemon pudding + Pound cake
Blueberries + Whipped cream

Rocky road

Ground graham crackers + Mini marshmallows + Chocolate chips
Chocolate pudding + Roasted peanuts

Caramel banana pudding

Ground graham crackers + Vanilla pudding + Bananas
Caramel sauce + Whipped cream

Creamy orange cheesecake

Cinnamon sugar donuts + Cheesecake batter (from p. 106)
Mandarin orange segments + Whipped cream

110 womansday.com | April 2013

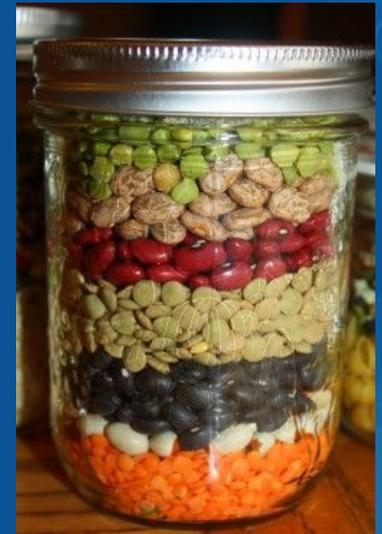


WELCOME TO THE GROUNDWATER CAFE

MAKE TAKE HOME GIFTS:

Build Your Own Aquifer.

- **Cookie Mix**
- **Soup Mix**
- **Others**



SDWB Education and Outreach Priorities

- **Continue to Promote and Implement the Statewide Project WET Program**
- **Assist the Wastewater Branch with education and outreach efforts in areas related to the Upgrade & Replacement of Cesspools and with Water Reuse.**
- **Improve education and outreach activities related to SDWB's water protection programs.**
- **Participation with NRCS to implement Agriculture-Related Source Water Protection Activities.**
- **Actively participate in education and outreach activities with other Water-Related Agencies/ Organizations**



For more information about the Safe Drinking
Water Branch, please contact:

Safe Drinking Water Branch

(808) 586-4258

sdwb@doh.hawaii.gov

Visit the Safe Drinking Water Branch website at:

<http://health.hawaii.gov/water/>

