



**Water
Quality
Plan
2014**



DOH Water Quality Plan Update

**Public Information
Meeting
September 16, 2014**

DRAFT



Environmental Health Administration
Healthy People • Healthy Communities • Healthy Islands

Schedule for DOH Water Quality Plan Update

Internal DOH Planning Meetings

- **October - July 2014**

Government Agency Planning Meetings

- **July - September 2014**, including a session at the 2nd Annual Joint Government Water Conference (August 2014)
- **July 2014** – Preliminary draft for agency review
- Agency comments due in **July 2014**

Public Meetings

- **August 2014** – Draft Water Quality Plan available online
- **August - October 2014**, including sessions at the 2nd Annual Joint Government Water Conference (August 2014) and public information meeting on Sept. 16
- Public Comments due by **October 17, 2014**

Final Collaboration with Government Agencies and Public

- **June 2015**: Final Water Quality Plan

Water Quality Plan Outline

Section I: Background

- Hawaii Water Plan
- Statewide Framework for Updating the Hawaii Water Plan

Section II: Water Quality Programs and Initiatives

- Surface Water Quality
- Ground Water Quality
- Drinking Water and Clean Water State Revolving Funds
- Challenges

Section III: Supporting DOH Water Quality Work

Sections IV-VII (including Water Quality Maps)

Surface Water Quality

• Water Quality Standards

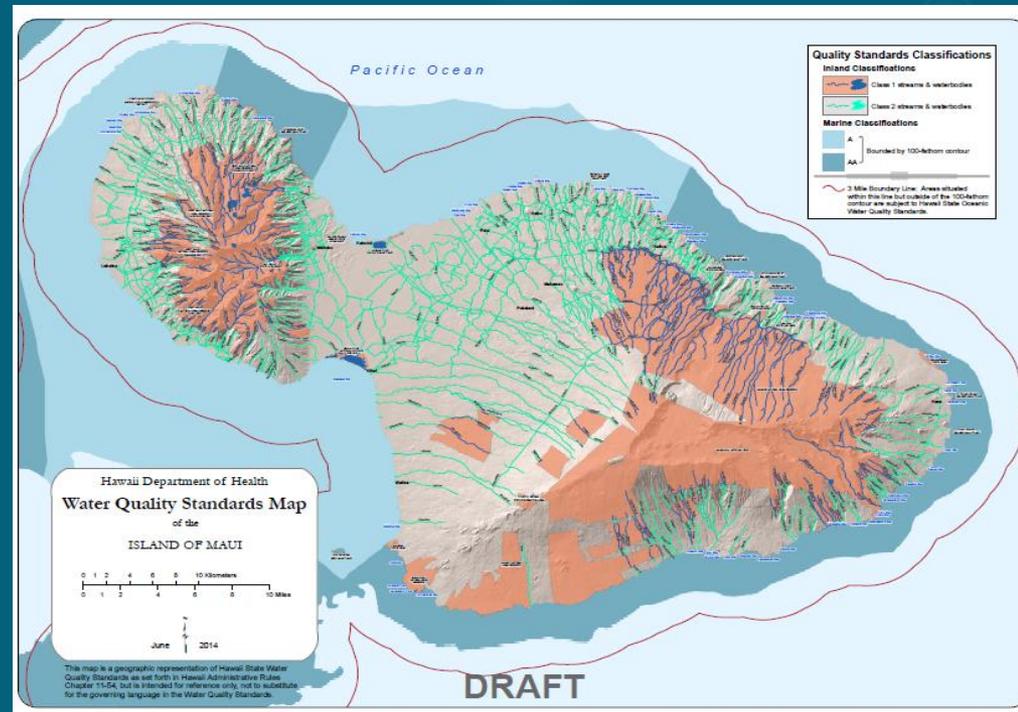
Goals: The goal of the WQS Program is to develop scientifically-based WQS that:

- (a) meet federal requirements;
- (b) specify the uses to be protected in State waters; and
- (c) provide appropriate criteria and methods for evaluating the attainment of these protected uses.

Priority Actions:

The Clean Water Act requires the State to complete a WQS review process and make revisions every 3 years. The Clean Water Branch is currently working on its 2014 revisions.

DOH's Clean Water Branch and Environmental Planning Office eGIS program also recently updated the State water quality maps.



Surface Water Quality

- Monitoring Program



- **Goals:**
 - Monitor surface waters of the State;
 - Develop and implement monitoring tools and methodologies;
 - Protect Hawaii's aquatic and marine resources; and
 - Protect Hawaii's water recreational community.

- **Proposed Actions:**
 - Partnership with USGS to conduct surveys of endocrine active compounds in smallmouth bass to determine existence of chemical contaminants (herbicides, pharmaceutical, and biogenic hormones).
 - Partnership with USGS to deploy five Semipermeable Membrane Devices in West Maui to determine existence of pollutant sources and levels in different locations.
 - Ocean Awareness Outreach in October 2014

Surface Water Quality

- **Goals:**

- Prevent environmental degradation due to nonpoint source pollution;
- Increase the amount of resources devoted to the control of polluted runoff and focus on collaborative efforts to utilize limited resources; and
- Provide outreach and education to the community in partnership with other agencies.

- **Priority Actions:**

- Increase the amount of funding devoted to the control of polluted runoff through best management practices; and
- Obtain federal approval of Coastal Nonpoint Pollution Control Program Management Plan.

- **Polluted Runoff Control**



Surface Water Quality

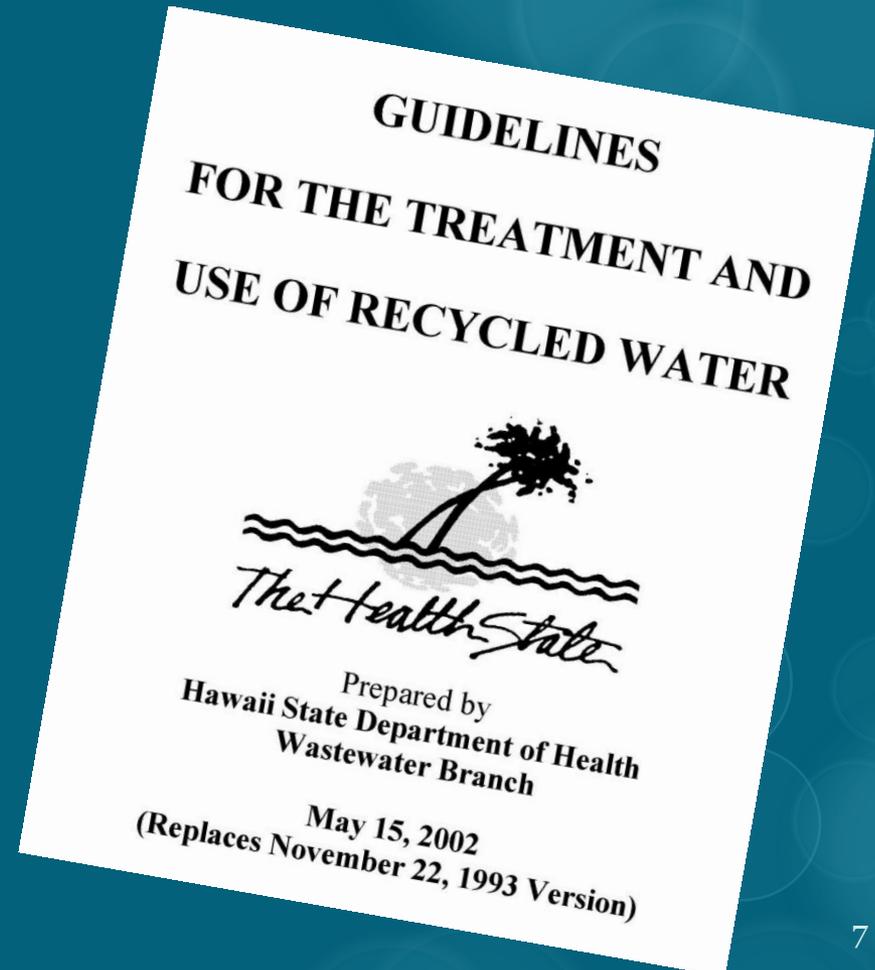
- Revising Recycled Water Guidelines

- **Goal:**

- Increase water reuse statewide.

- **Proposed Action:**

- Complete revisions to the Guidelines by December 31, 2014.



• SWAP Program

• Goals:

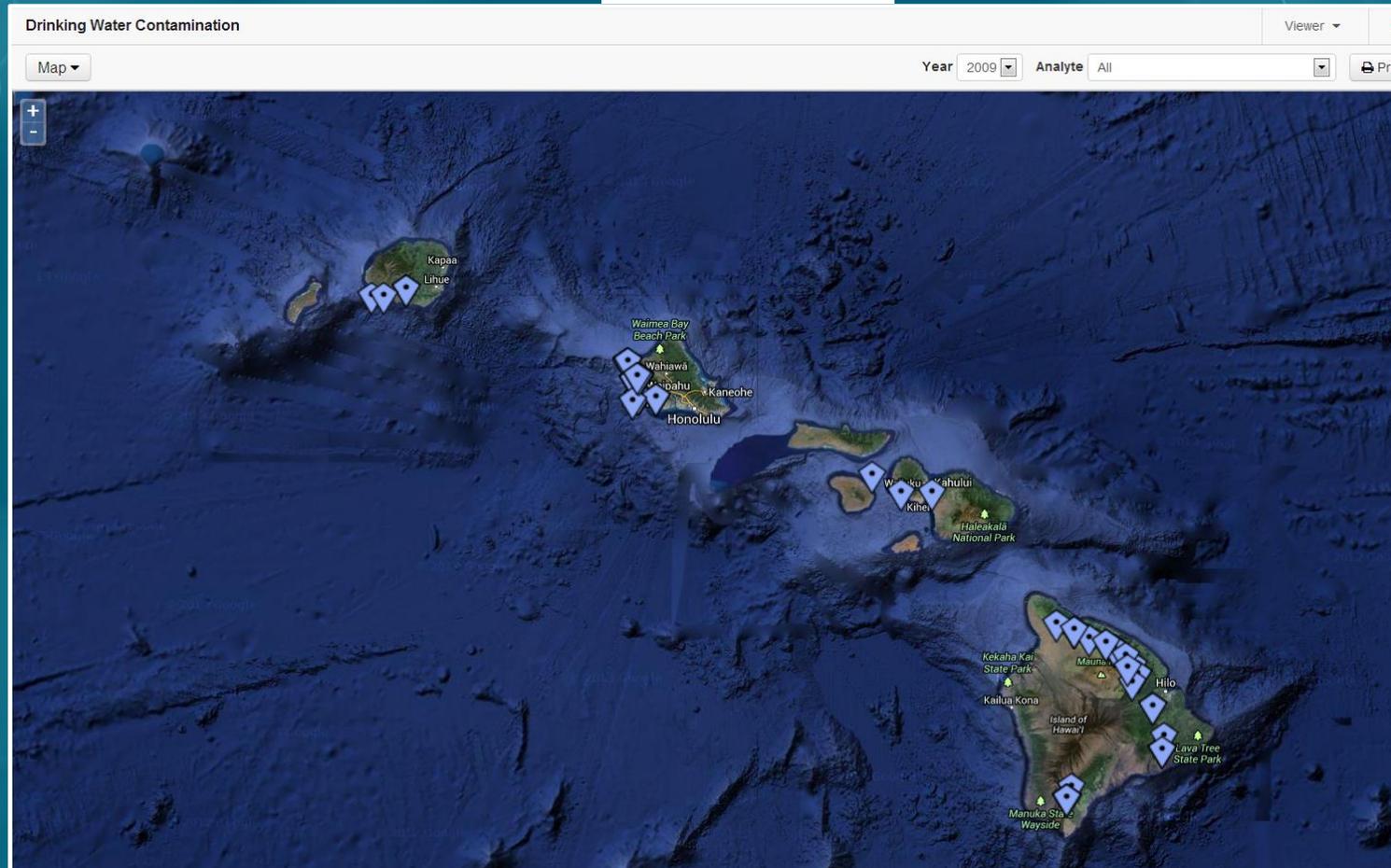
- Assess the susceptibility of public drinking water sources to contamination;
- Protect public drinking water sources from contamination; and
- Use source water assessment information to meet drinking water requirements.

• Proposed Actions:

- Create state and local source water protection workgroups; and
- Develop framework for source water protection monitoring program based on potential contaminating activities.



• Groundwater Contamination Viewer



Upgrading and Eliminating Cesspools

- **Goal:**

- Eliminate cesspool pollution.

- **Proposed Action:**

- Update administrative rules to prohibit the construction of new cesspools and require cesspool upgrades upon the sale of any building served by an existing cesspool.



Drinking Water State Revolving Fund

Before



Hakalau Iki Spring Box, Hamakua,
Hawaii
>\$690,000 DWSRF project

After



- \$149 million in low-interest loans provided since 1997
 - Loans are provided to Hawaii's 4 Counties for drinking water infrastructure projects
- Recently, Safe Drinking Water Branch reduced interest rates to 1-2% and traveled to each County to increase the number of funded projects.

Clean Water State Revolving Fund



R-1 Wastewater Reuse System at Waimea
WWTP, Kauai



Waimea WWTP Photo Voltaic Panels, Kauai

- \$675 million in low-interest loans provided since 1988
- Loans provided to the Counties for construction of publicly-owned wastewater treatment facility infrastructure.
- The current interest rate is 1%.

Other DOH Water Quality Work



Challenges

Intra-agency
collaboration

Inter-agency
collaboration

Funding
Issues

Climate
Change

- Review the Draft Water Quality Plan at:
<http://health.hawaii.gov/water/>
- Please email your comments on the Draft Plan to: WQPComments@doh.hawaii.gov



For more information on the Draft Plan or
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