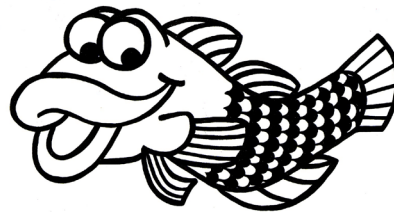
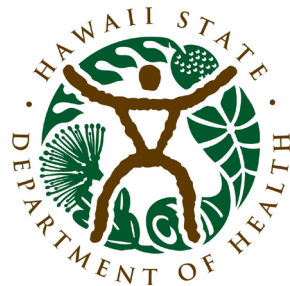


# 2019 Joint Government Water Conference

Hawai'i State Department of Health | Clean Water Branch  
**Polluted Runoff Control Program**

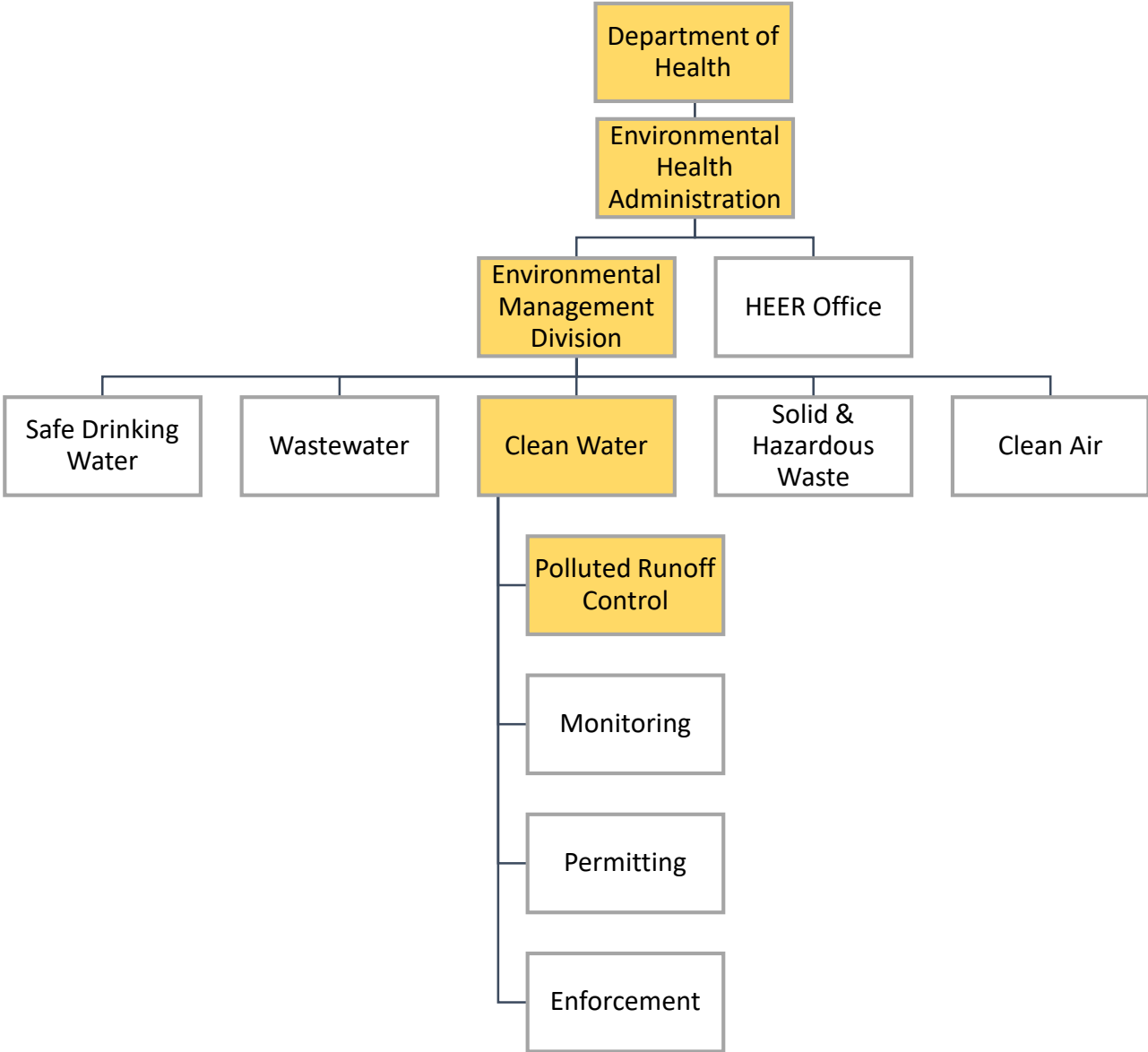
# Nonpoint Source Management Plan



# Overview

- Polluted Runoff Control Program background & mission
- Nonpoint Source (NPS) Management Plan
  - Current goals & objectives
  - Update
  - Survey results
- Questions & comments

# Polluted Runoff Control Program



# Polluted Runoff Control Program

## Mission

To protect and improve the quality of Hawai'i's water resources by preventing & reducing NPS pollution

## Clean Water Act §319

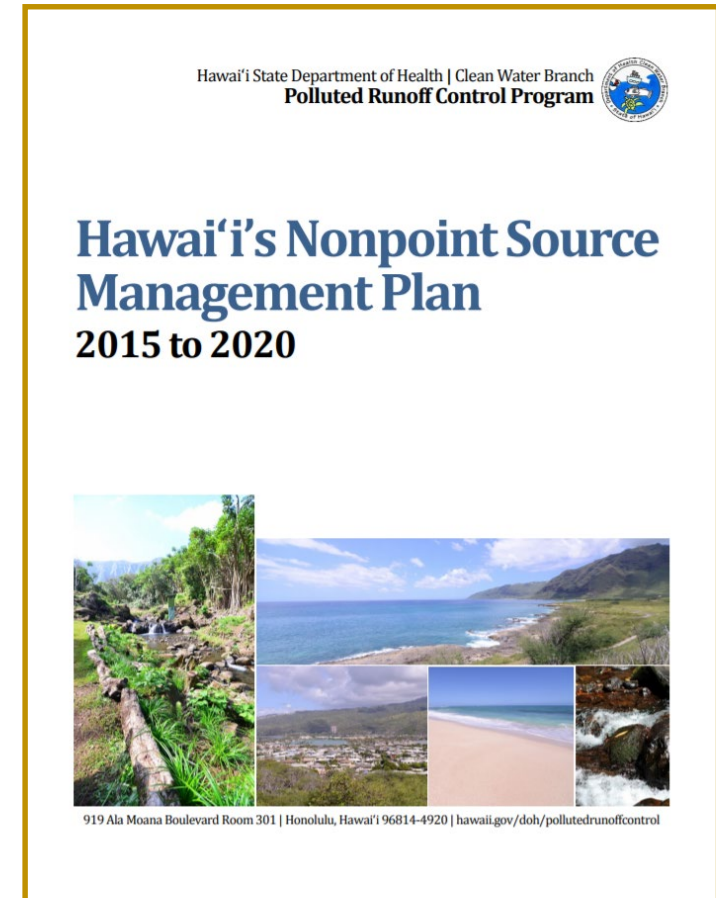
- Requires states to adopt NPS programs (Hawai'i's Polluted Runoff Control Program) to address NPS pollution and achieve water quality standards
- Provides annual funding to implement the Polluted Runoff Control Program
- Requires the State to update its NPS Management Plan every 5 years

# Hawai'i's NPS Management Plan

Guides NPS management activities and sets water quality improvement goals & objectives

## Goals

1. Monitoring & Assessment
2. Planning
3. Implementation
4. NPS Program Development



# Current NPS Management Plan Goals

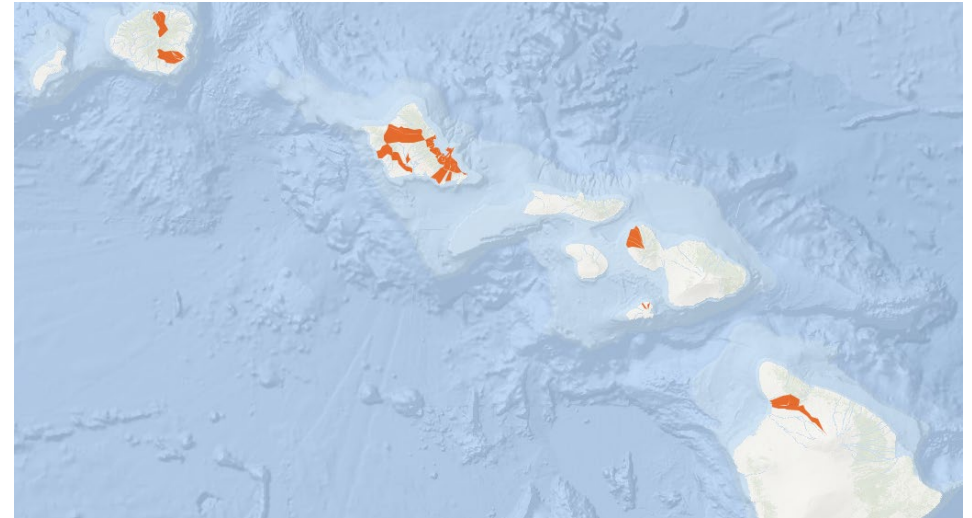
## 1. Monitoring & Assessment

- Water quality monitoring
- Assessing water quality

## 2. Planning

- Prioritization of waters and watersheds
- Strategies to address NPS pollution
- Watershed and TMDL implementation planning
- Coordination of water quality improvement efforts across agencies and programs

**Watersheds with Approved Watershed Plans**



# Current NPS Management Plan Goals

## 3. Implementation

- Conduct projects to prevent and reduce NPS pollution
- Invest in water quality improvement efforts in priority watersheds

- ❖ Ma'ili'ili Reservoir Mitigation Project (Hui Ku Maoli Ola)
- ❖ Waimanalo Stream Restoration and Community Outreach - Phase 3 (O'ahu RC&D)
- ❖ Buffers and BMPs for Windward O'ahu (O'ahu RC&D)
- ❖ Ko'olaupoko Moku Watersheds Coordinator (Hui o Ko'olaupoko)
- ❖ Implementing Soil Management Strategies on O'ahu (UH CTAHR)
- ❖ Pelekane Grazing Improvement Project (DOFAW)
- ❖ Polluted Runoff Control Project for West Maui (DOFAW)
- ❖ West Maui Ridge to Reef Priority Watershed Coordinator (DAR)
- ❖ An Ahupua'a Approach to Watershed BMPs in West Maui (Maui Land & Pineapple)
- ❖ Watershed Implementation Project for the Ahupua'a of Waipa – Phases 1 & 2 (Waipa Foundation)
- ❖ He'eia Fishpond Mangrove Island Removal Project (UH Sea Grant)
- ❖ Expanding Water Quality Improvement Projects in He'eia Fishpond (UH Sea Grant)

# Current NPS Management Plan – Goal 3

## Watershed Implementation Project for the Ahupua‘a of Waipa

- Cesspool replacements
- Streambank and riparian restoration
- Feral ungulate control
- Taro lo‘i BMPs
- Constructed wetlands
- Livestock fencing
- Outreach and education
- Water quality monitoring

Phase I: 3.5 years (ends August 2019)

Phase II: 2 years (ends March 2021)

### Targeted Pollutants:

- Total nitrogen, **total phosphorous**, TSS/**turbidity**, fecal coliform bacteria (***Enterococcus***)



Waipa Stream stabilization and restoration/Matt Rosener



# Current NPS Management Plan Goals

## 4. NPS Program Development

- Develop and implement the Coastal Nonpoint Pollution Control Program
- Build & strengthen partnerships
- Adaptive management
- Program administration



# NPS Management Plan Update - Survey

## Survey Goals

- Evaluate current NPS Management Plan and Polluted Runoff Control Program
- Solicit recommendations and suggestions for improving the State's approach to managing NPS pollution (via the NPS Management Plan update)

# NPS Management Plan Update - Survey

- Sent to Polluted Runoff Control Program's distribution list & the Clean Water Branch's 2017 evaluation steering committee
- Hosted on Survey123 for 3 months (closes on August 30)
- Presented at the Joint Government Water Conference in each county
- Will help guide further outreach with potential/existing partners and stakeholders

What should be incorporated into the updated version of Hawai'i's Nonpoint Source Management Plan?<sup>\*</sup>

<sup>\*</sup> Required

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What do you like and dislike about the Polluted Runoff Control Program?

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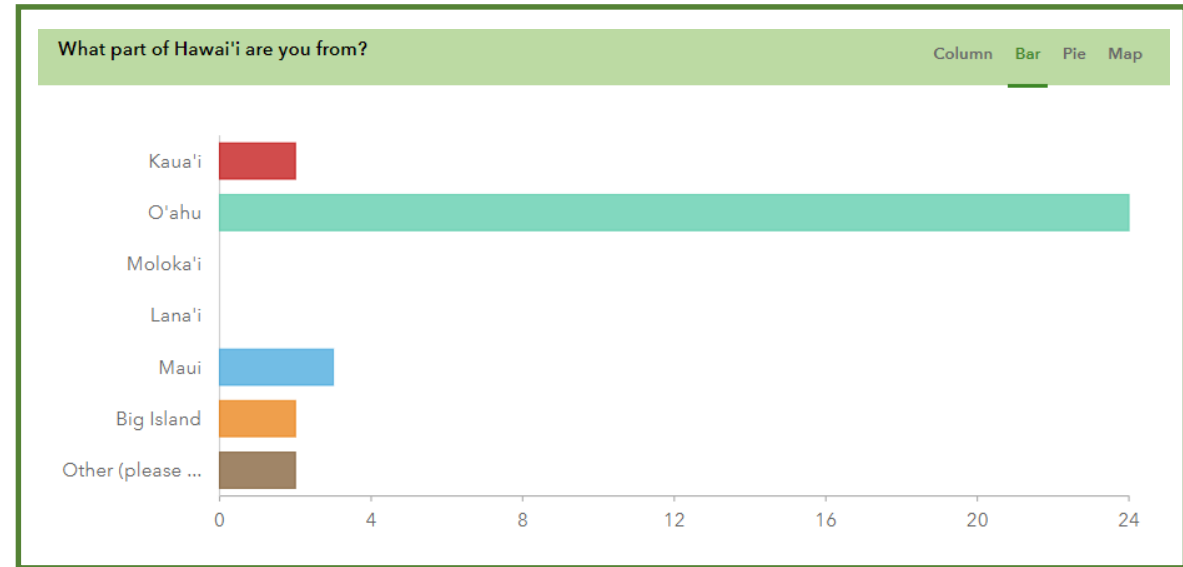
In what ways could Hawai'i improve the way it administers its nonpoint source grant program to be more effective?

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Please list any organization(s) that the Department of Health should partner with to manage nonpoint source pollution more effectively.

# Survey Results

- 33 respondents (non-Clean Water Branch) → Need more!
- O'ahu-centric (73% of respondents) → Need more feedback from folks outside of O'ahu
- 15% of respondents were current or former CWA 319 grant award recipients
- Many respondents were conservation and/or water quality professionals and included staff from non-profits, watershed partnerships, academia, technical assistance providers, and government agencies



# Survey Results

What nonpoint source pollution and/or water quality accomplishments should Hawai'i achieve by 2025?

Most common response (31% respondents):

Improve water quality and ensure clean and safe waters by reducing specific pollutants (e.g., sediment) and addressing specific sources (e.g., fertilizers, feral pigs); significantly reduce the number of impaired waterbodies

## What nonpoint source pollution and/or water quality accomplishments should Hawai'i achieve by 2025?

Next most common responses:

- 25% - Water quality monitoring – more beach and stream monitoring, easier public access to monitoring data, improved water quality monitoring methods and ways of sharing data with other agencies and organizations
- 16% - Replacement of cesspools and improved IWS management and tracking
- 16% - Restoration of watersheds, particularly upper watershed areas

## What should be incorporated into the updated NPS Management Plan?

Two most common responses (20% respondents):

- More community engagement, public education, and training for NPS management efforts
- More collaboration between agencies and organizations – leverage funds, develop and implement data sharing methods

## What should be incorporated into the updated NPS Management Plan?

Other popular responses:

- Update and implement TMDLs
- Enforcement
- Update water quality standards to better reflect aquatic ecosystems and pollutant sources and types
- Watershed planning and alternative funding mechanisms for watersheds that don't have watershed plans



## How can the State improve the way it administers the NPS Program?

- Streamlining permitting and NPS mitigation opportunities
- Expanding the scope of the program to include more watersheds and more funding opportunities
- Local administration (by island)
- Stronger policies for planning & enforcement
- More diversity among NPS projects funded through CWA 319

# NPS Management Plan Update

## Timeline

- Stakeholder surveys (5-8/2019)
- Survey follow-up outreach (8-9/2019)
- Plan update (10/2019-3/2020)
- Public comment (4/2020)
- Submission to EPA (8/2020)
- Approval (9/2020)
- Implementation (10/2020-9/2025)

# Contact Information

Questions?

Suggestions?

Comments?

Contact: [darcey.iwashita@doh.hawaii.gov](mailto:darcey.iwashita@doh.hawaii.gov), 586-4309

**Mahalo!**