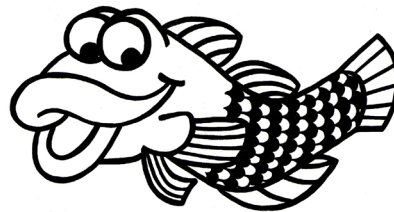
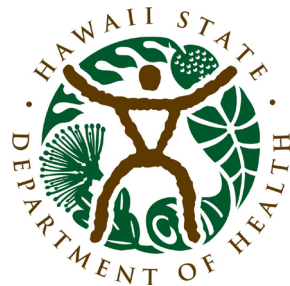


2019 Joint Government Water Conference

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

Nonpoint Source Management Plan



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

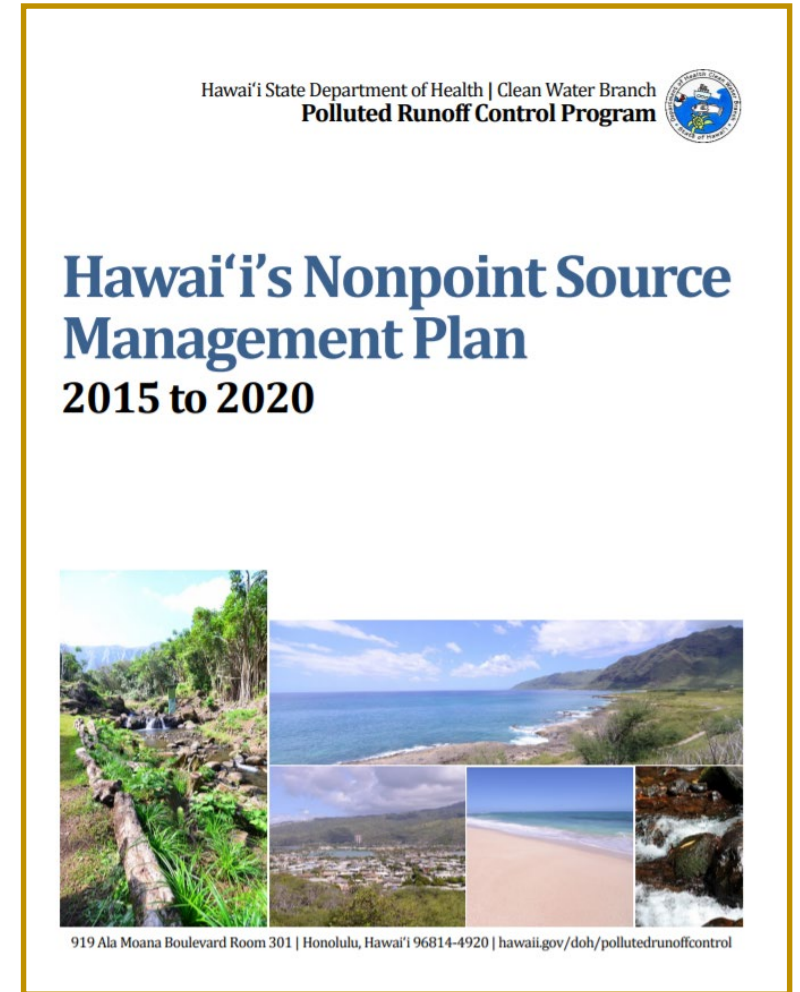
- Requires states to adopt NPS programs (Hawai'i's Polluted Runoff Control Program) to address NPS pollution and achieve water quality standards
- Provides annual grants to implement the Polluted Runoff Control Program
- Requires the State to update its NPS Management Plan every 5 years
- Administered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

Hawai'i's NPS Management Plan

- Guides NPS management activities and sets water quality improvement goals & objectives
- Last updated in 2015

Goals

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



Current NPS Management Plan Goals

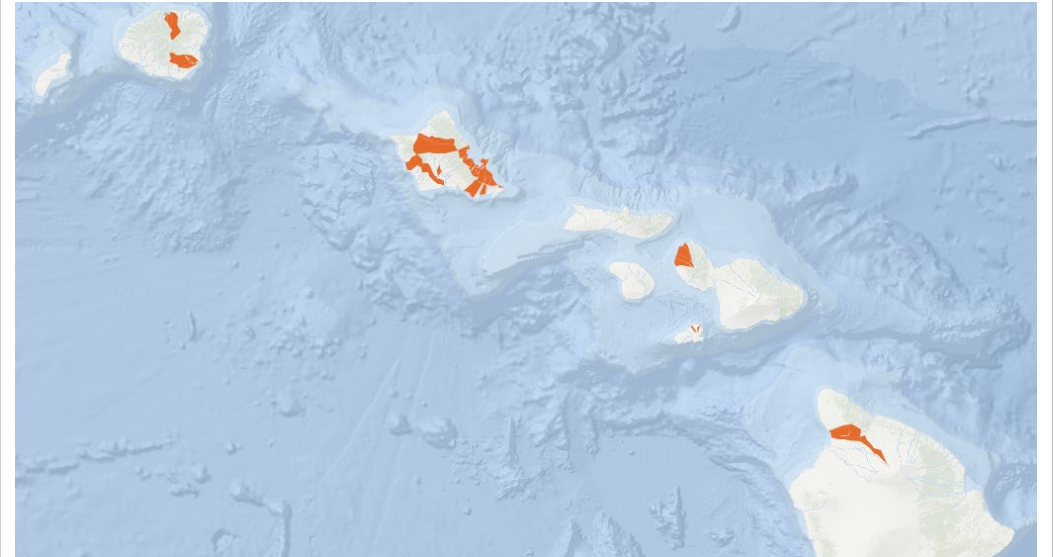
1. Monitoring & Assessment

- Water quality monitoring
- Assessing water quality

2. Planning

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

Watersheds with Approved Watershed Plans



Current NPS Management Plan Goals

3. Implementation

- Conduct projects to prevent and reduce NPS pollution and improve WQ
 - Agricultural BMPs & conservation plans
 - Streambank & riparian restoration
 - Feral ungulate fencing
 - Watershed coordinators & community outreach
 - Cesspool replacements
 - Stormwater runoff BMPs & green infrastructure



December 2017



February 2018



Current NPS Management Plan Goals



Section 319

NONPOINT SOURCE PROGRAM SUCCESS STORY

HAWAII

Restoring Native Vegetation Reduces Sediment Entering Coastal Waters

Waterbody Improved

Dry environmental conditions combined with a long history of human land use have resulted in severe erosion on Kaho`olawe. Much of the island has been reduced to barren hardpan, and sediment-laden runoff affects nearshore water quality and threatens the coral reef ecosystem. Efforts to minimize erosion and restore native vegetation in two watersheds on Kaho`olawe (Hakioawa and Kaulana) have reduced the amount of sediment entering the stream/gulch systems and coastal waters and have improved the quality of coastal waters, coral reef ecosystems and native wildlife habitat.

Current NPS Management Plan Goals

4. Statewide 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 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?*

* Required

1000

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

1000

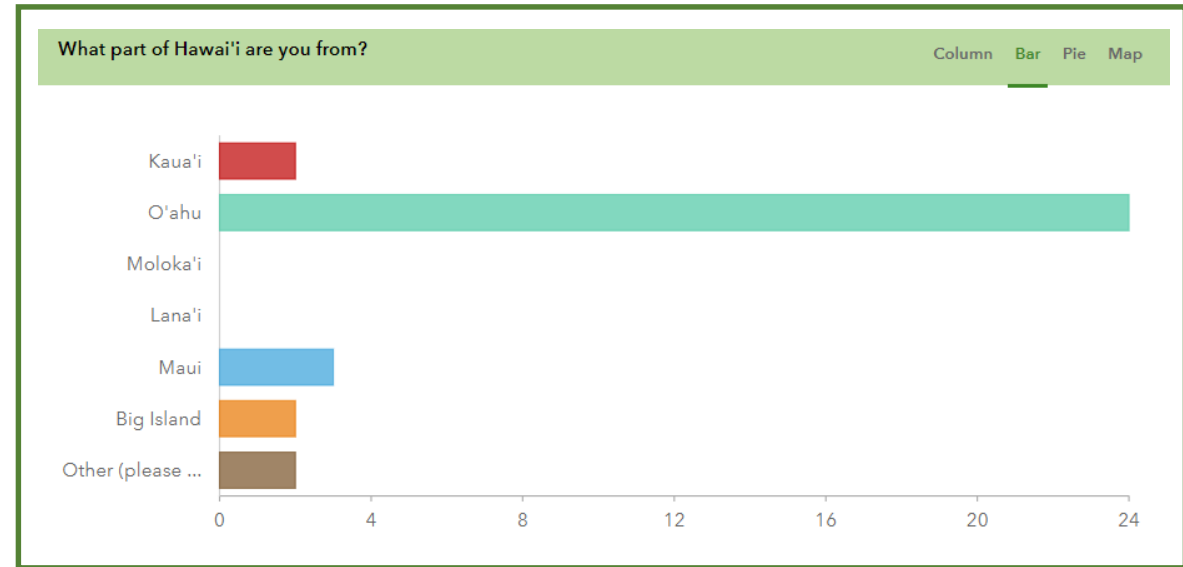
In what ways could Hawai'i improve the way it administers its nonpoint source grant program to be more effective?

1000

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
- Alternative funding mechanisms for watersheds that don't have watershed plans

Survey Results

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
- Local administration (by island)
- Stronger NPS policies
- More diversity among NPS projects

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

Survey link: <https://arcg.is/SOGTG>

Questions? Suggestions? Comments?

Contact: darcey.iwashita@doh.hawaii.gov, 586-4309

Mahalo!