



Hawaii Department of Health
5th Joint Government Water Conference
August 2019

Natural
Resources
Conservation
Service

nrcs.usda.gov

U.S. Department of Agriculture Natural Resources Conservation Service (NRCS)

- **Conservation...**
- **Our Purpose. Our Passion.**
- **Farm Bill**
- **EQIP**



Natural
Resources
Conservation
Service

nrcs.usda.gov



Welcome to NRCS Field Office Technical Guide (FOTG)

Select a state for documents.

State:

Hawaii/Pacific Islands Area ▼

SUBMIT

Document Tree

Document Search

Recently Changed

Keyboard navigation instructions

- Section I ▼
- Section II ▼
- Section III ▼
- Section IV ▲
- Old Section IV ▲
 - Archive Materials - Section IV ▼
 - Conservation Reserve Enhancement Program (CREP) Jobsheets
 - CURRENT Standards and Specifications ▲
 - 1 Engineering Practice Specifications Coversheet
 - 2 Combined Practice IRs
 - Access Control (472)
 - Access Road (560)
 - Agrichemical Handling Facility (309)**

Agrichemical Handling Facility (309)

Documents (4)

Document Title	Type	Pub Date	Subject
309 - PI Operation and Maintenance - April 2016		2016-7-7	--
309 - PI Specification - April 2011		2011-4-21	Engineering Practice; Specification
309 - PI Standard - April 2016		2016-6-17	--
309 - PI Statement of Work - April 2016		2016-6-17	--

Practice Effects

	Practice Code	Water Quality Degradation - Pesticides in Surface Water	Water Quality Degradation - Pesticides in Groundwater	Water Quality Degradation - Nutrients in Surface water	Water Quality Degradation - Nutrients in Groundwater
Irrigation Land Leveling	464	2	2	2	2
Irrigation Pipeline	430	0	0	1	0
Irrigation Reservoir	436	0	0	0	-1
Irrigation System, Microirrigation	441	2	2	2	2
Irrigation Water Management	449	2	2	2	2
Lined Waterway or Outlet	468	0	0	0	2
Livestock Pipeline	516	0	0	0	0
Mulching	484	2	0	2	-1
Nutrient Management	590	0	0	5	5
Open Channel	582	0	0	-1	0
Pond	378	0	0	2	-1
Precision Land Forming	462	1	1	1	2
Prescribed Grazing	528	2	1	1	1
Range Planting	550	2	2	1	1
Residue and Tillage Management, No Till	329	4	0	2	-1
Residue and Tillage Management, Reduced Till	345	4	0	2	0
Restoration and Management of Rare or Declining Habitats	643	0	0	0	0
Riparian Forest Buffer	391	3	1	5	5
Riparian Herbaceous Cover	390	2	2	5	5
Reef Runoff Structure	558	0	0	2	2

Conservation Practice Effects

CPPE Practice Effects:

5 Substantial Improvement

4 Moderate to Substantial Improvement

3 Moderate Improvement

2 Slight to Moderate Improvement

1 Slight Improvement

0 No Effect

-1 Slight Worsening

-2 Slight to Moderate Worsening

-3 Moderate Worsening

-4 Moderate to Substantial Worsening

-5 Substantial Worsening

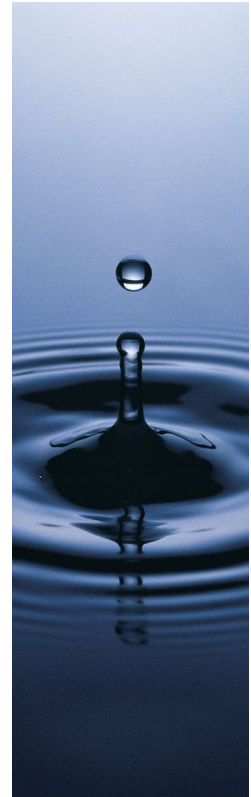
Assistance - Practices

FOTG – Section IV

	Practice Code	Water Quality Degradation - Pesticides in Surface Water	Water Quality Degradation - Pesticides in Groundwater	Water Quality Degradation - Nutrients in Surface water	Water Quality Degradation - Nutrients in Groundwater
Irrigation Land Leveling	464	2	2	2	2
Irrigation Pipeline	430	0	0	1	0
Irrigation Reservoir	436	0	0	0	-1
Irrigation System, Microirrigation	441	2	2	2	2
Irrigation Water Management	449	2	2	2	2
Lined Waterway or Outlet	468	0	0	0	2
Livestock Pipeline	516	0	0	0	0
Mulching	484	2	0	2	-1
Nutrient Management	590	0	0	5	5
Open Channel	582	0	0	-1	0
Pond	378	0	0	2	-1
Precision Land Forming	462	1	1	1	2
Prescribed Grazing	528	2	1	1	1
Range Planting	550	2	2	1	1
Residue and Tillage Management, No Till	329	4	0	2	-1
Residue and Tillage Management, Reduced Till	345	4	0	2	0
Restoration and Management of Rare or Declining Habitats	643	0	0	0	0
Riparian Forest Buffer	391	3	1	5	5
Riparian Herbaceous Cover	390	2	2	5	5
Reef Runoff Structure	558	0	0	2	2

U.S. Department of Agriculture Natural Resources Conservation Service (NRCS)

- **Conservation...**
- **Our Purpose. Our Passion.**
- **Farm Bill**
- **EQIP**
- **Initiatives**



Natural
Resources
Conservation
Service

nrcs.usda.gov

National Water Quality Initiative

Purpose **water quality**



Natural
Resources
Conservation
Service

nrcs.usda.gov

Assistance - Practices

FOTG – Section IV

	Practice Code	Water Quality Degradation - Pesticides in Surface Water	Water Quality Degradation - Pesticides in Groundwater	Water Quality Degradation - Nutrients in Surface water	Water Quality Degradation - Nutrients in Groundwater
Irrigation Land Leveling	464	2	2	2	2
Irrigation Pipeline	430	0	0	1	0
Irrigation Reservoir	436	0	0	0	-1
Irrigation System, Microirrigation	441	2	2	2	2
Irrigation Water Management	449	2	2	2	2
Lined Waterway or Outlet	468	0	0	0	2
Livestock Pipeline	516	0	0	0	0
Mulching	484	2	0	2	-1
Nutrient Management	590	0	0	5	5
Open Channel	582	0	0	-1	0
Pond	378	0	0	2	-1
Precision Land Forming	462	1	1	1	2
Prescribed Grazing	528	2	1	1	1
Range Planting	550	2	2	1	1
Residue and Tillage Management, No Till	329	4	0	2	-1
Residue and Tillage Management, Reduced Till	345	4	0	2	0
Restoration and Management of Rare or Declining Habitats	643	0	0	0	0
Riparian Forest Buffer	391	3	1	5	5
Riparian Herbaceous Cover	390	2	2	5	5
Reef Runoff Structure	558	0	0	2	2

National Water Quality Initiative

Purpose

**water quality
targeted
voluntary
part of an effort**



Natural
Resources
Conservation
Service

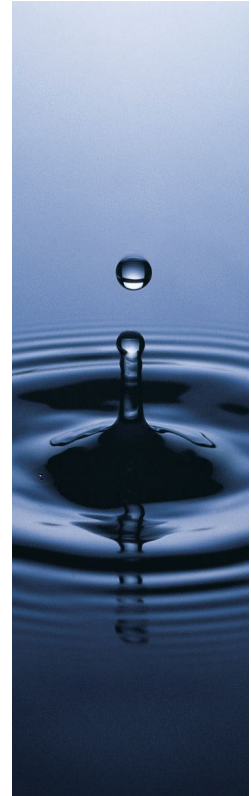
nrcs.usda.gov

National Water Quality Initiative

\$300M in 201 watersheds

**16 source water protection
added**

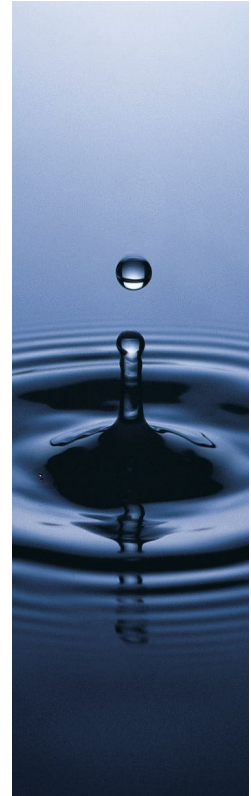
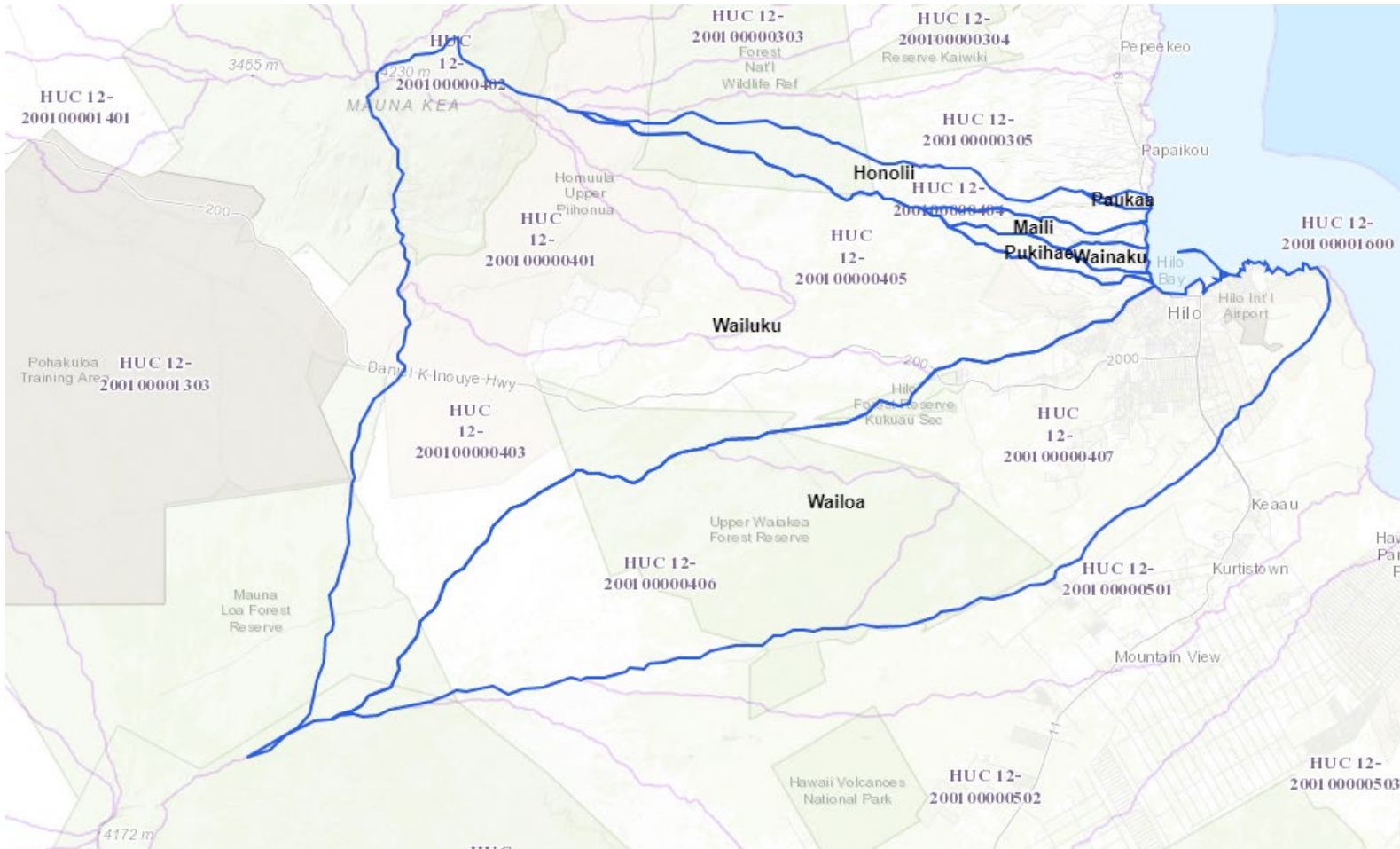
In PIA, Hilo Bay



Natural
Resources
Conservation
Service

nrcs.usda.gov

Hilo Bay - \$1.38M since 2013



Natural
Resources
Conservation
Service

For FY 2020 and beyond...

- **FY 2019 Readiness**
- **Would like to nominate additional project areas each year**

How to pick?



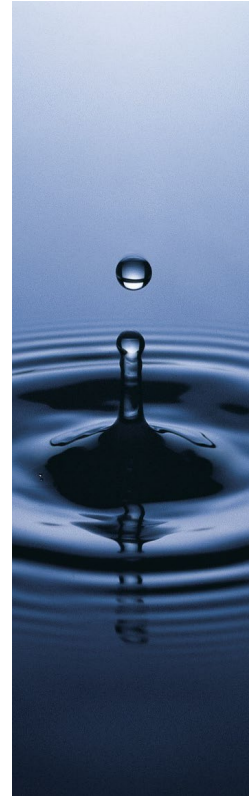
Natural
Resources
Conservation
Service

nrcs.usda.gov

What makes a good NWQI project?

- **Metric**
- **Practices**
- **Participants**
- **Partners**

Can you think of a project?



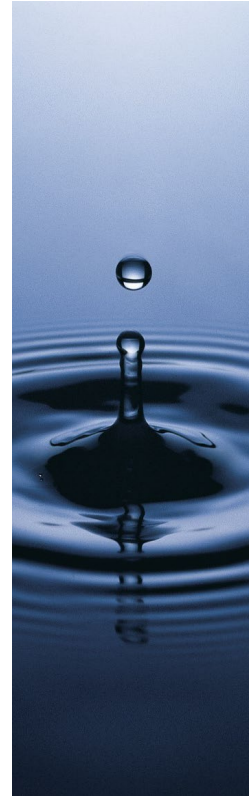
Natural
Resources
Conservation
Service

nrcs.usda.gov

Source Water Protection

Farm Bill:

- **Identification of local priority areas**
- **Quality, Quantity or both**
- **Increased incentives for practices**
- **Dedicating 10% of total funds for the benefit of source water protection**



Natural
Resources
Conservation
Service

nrcs.usda.gov

Identification of Priority Areas

- **State Technical Advisory Committee**
- **Local Working Groups**

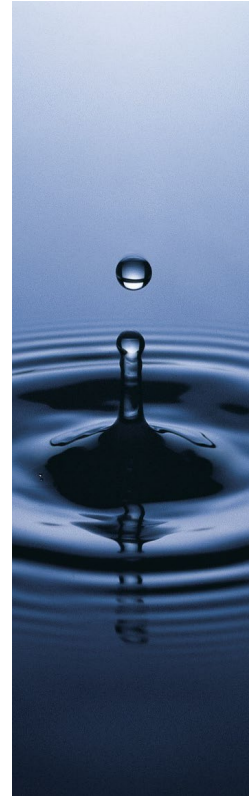


Natural
Resources
Conservation
Service

nrcs.usda.gov

What makes an area a priority?

- **SWPA**
- **Agriculture is source of degradation of quality or availability**
- **Metric**
- **Practices**
- **Participants**
- **Partners**



Natural
Resources
Conservation
Service

nrcs.usda.gov

Questions or comments:

Susan Kubo

susan.kubo@usda.gov

(808) 600-2921



Natural
Resources
Conservation
Service

nrcs.usda.gov

The U.S. Department of Agriculture (USDA) prohibits discrimination against its customers, employees, and applicants for employment on the bases of race, color, national origin, age, disability, sex, gender identity, religion, reprisal, and where applicable, political beliefs, marital status, familial or parental status, sexual orientation, or all or part of an individual's income is derived from any public assistance program, or protected genetic information in employment or in any program or activity conducted or funded by the Department. (Not all prohibited bases will apply to all programs and/or employment activities.)



Natural
Resources
Conservation
Service

nrcs.usda.gov