



Before



CONSERVATION PLANNING



After



WATERSHED PLANNING/PROJECTS

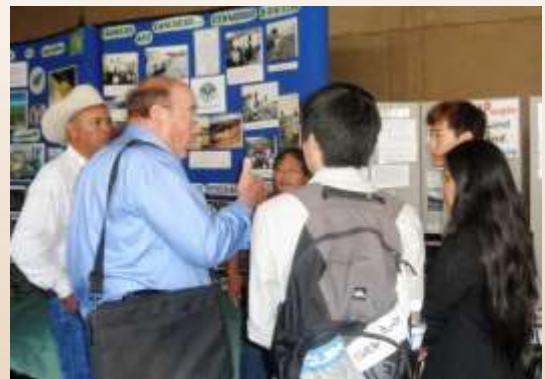


People
Land
And
Nature

*Protecting
 Our
 Watershed*



CONSERVATION EDUCATION



COMMUNITY OUTREACH





Hawai'i Association of Conservation Districts
sustainable quality of life through visionary conservation

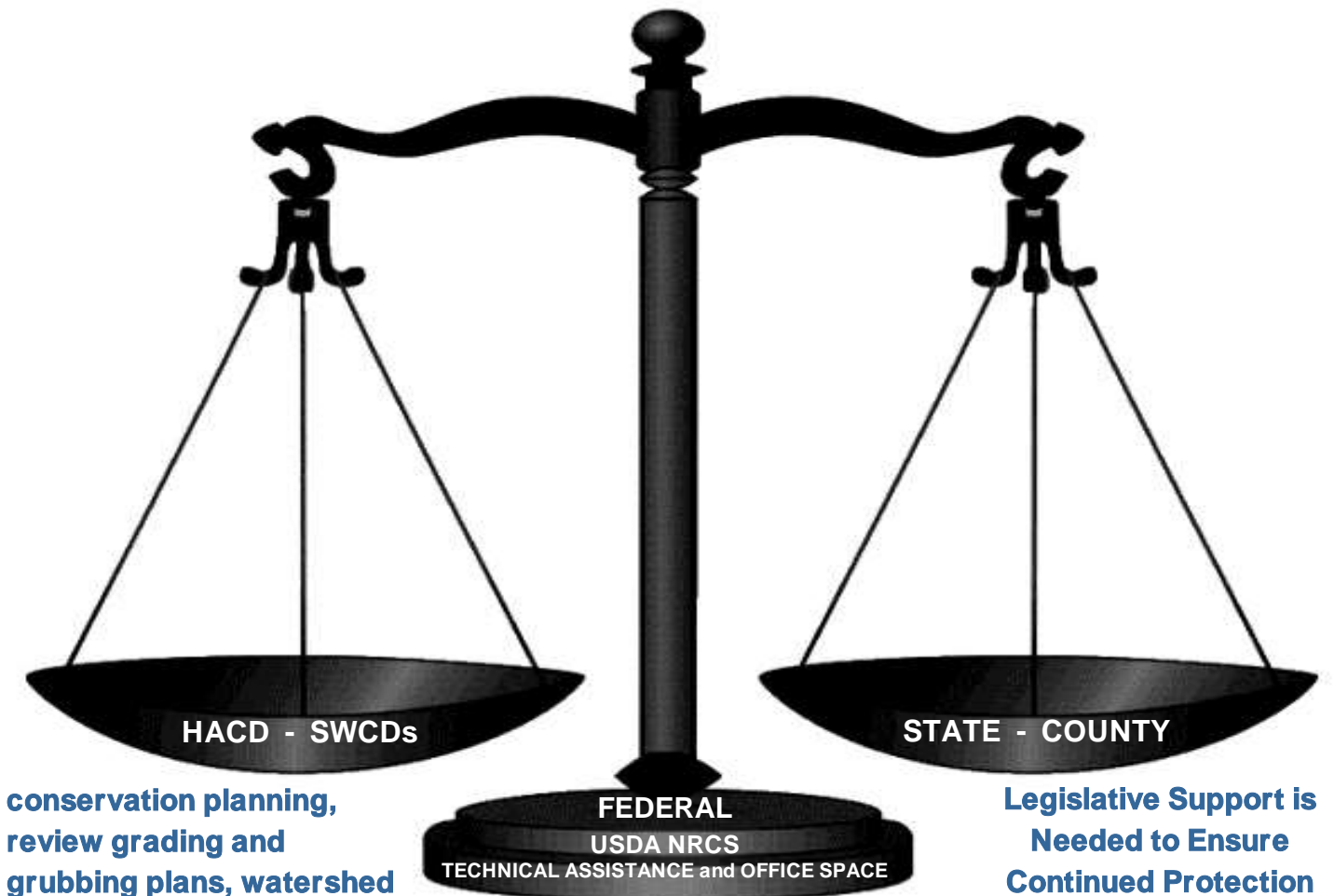


Who we are

The Soil & Water Conservation Districts are legally constituted, self-governing units under the Hawaii Soil and Water Conservation Law, Chapter 180, Hawaii Revised Statutes. We were organized under the State Department of Land and Natural Resources for the protection and conservation of soil and water resources in the interest of the health, safety, and general welfare of people in this region.

What we do

Watershed protection through conservation planning, education, and community outreach



A voluntary board cannot adequately provide enough time to initiate, implement, and support its program.

CONSERVATION PLANNING



1 - Identify Problems and Opportunities

Planning can start with a problem, an opportunity, shared concerns, or a perceived threat.



2 - Determine Objectives

The stakeholders identify their objectives.



3 - Inventory Resources



Appropriate natural resource, economic and social information for the planning area is collected.



4 - Analyze Resource Data

Study the resource data and clearly define existing conditions for all of the natural resources, including limitations and potential for the desired use.



5 - Formulate Alternatives

to achieve the goals for the land, by solving all identified problems, taking advantage of opportunities, and meeting the social, economic, and environmental needs of the planning project.



6 - Evaluate Alternatives

to determine their effectiveness in addressing the client's problems, opportunities and objectives.

Conservation Plan



7 - Make Decisions

The land owner/manager chooses which project or plan will work best for their situation.



8 - Implement the

Plan Technical assistance is provided to help with the installation of adequate and properly-designed conservation practices.



9 - Evaluate the Plan



Conservation planning is an ongoing process that continues long after the

implementation of a conservation practice.



Hawaii Soil & Water
Chap

Department of Lan

**National Association of
Conservation Districts**

3000 Conservation Districts Represents America
<http://www.nacdnet.org/about/districts/index.phtml>

Hawaii Association of C
<https://dlnr.haw>



Our Boards

Olinda-Kula
808-871-5500 ext. 3

Molokai-Lanai
808-567-6869 ext. 102

Wa
808-9

South Oahu
808-541-2600 ext. 103

Kona
808-322-2484 ext. 100

Ea

West Maui
808-871-5500 ext. 3

Mauna Kea
808-885-6602 ext. 100

Centr
808-871

VOLUNTEER BOARD OF DIRECTORS

each board consists of
5 Voting Members - 3 elected, 2 appointed
+ Associate Directors - non-voting members

Our Partn

Our mission is to provide
a healthy natural resources
environment for the people
by coordinating technical,
financial, and educational
resources.

Federal

USDA - Natural Resources
Conservation Service,
Farm Service Agency,
Forest Service;
U.S. Environmental Protec-
tion Agency;
U.S. Department of the
Interior – Bureau of Land
Management,
Bureau of Reclamation,
Fish and Wildlife Service



er Conservation Law
ter 180



nd & Natural Resources

Sixteen (16) Soil & Water Conservation Districts

Conservation Districts

hawaii.gov/swcd

Maui

808-933-8350

West Oahu

808-541-2600 ext. 103

Ka'u - Puna

808-933-8350

East Kauai - West Kauai

808-245-9014 ext. 3

Hana

808-871-5500 ext. 3

Central Maui

808-5500 ext. 3

Windward Oahu

808-541-2600 ext. 103

Hamakua

808-933-8363



Partners Provide Financial and In-Kind Contributions

State

Department of
Land & Natural Resources,
Department of Health –
Clean Water Branch,
University of Hawaii
Cooperative
Extension Service,
Coastal Zone
Management Program

County

County of Kauai,
City & County
of Honolulu,
County of Maui,
County of Hawaii

Non-Profit

Hawaii Farm Bureau
Federation,
Resource Conservation
and Development –
Garden Isle RC&D,
Oahu RC&D,
Tri-Isle RC&D, and
Big Island RC&D



SOME OF SWCDs' STATEWIDE PARTNERSHIP PROJECTS

Watershed Protection Planning and Projects

- Ala Wai Watershed Project
- West Maui Ridge to Reef Initiative
- West Maui Fire Prevention and Post Fire Erosion Stabilization Supply Procurement and Native Seed Hydro-mulch Trials to Reduce Potential Sediment Erosion
- Honolulu Watershed Project
- West Maui Algae Bloom Projects
- Lahaina Interim Flood Control Project
- Lahaina Watershed Project
- West Maui 319(h) Projects
- Puamana Channel Maintenance Project
- Lahainaluna High School Drainage Improvement Project
- State Land Terraces – Lahaina
- Sugarcane Diversion Improvements
- Kamehameha School Diversion Improvements
- Feral Animal Control Fencing Project
- Upcountry Dual Waterline
- TAKO POKE Project: construction of multiple Best Management Practices (BMPs) within drainage ways mauka of Wailea/Kihei.
- Watershed Base Plan for South Molokai
- Kula Storm Water Reclamation Study
- Southwest Maui Watershed Based Plan.
- Moomomi Watershed Project
- Emergency Watershed Protection (EWP)
- Kekaha Watershed Project
- Lower Hamakua Ditch Project
- Hilo Bay Watershed-Based Restoration Plan to improve water quality in Hilo Bay.
- Emergency Funding for Flood Damages and Prevention on North Shore Kauai
- Emergency response funding through NRCS for Hurricane Iniki in 1992
- Ulumalu-Peahi Water Line Distribution
- Kahoolawe Restoration Project



- Operations and Maintenance Inspection of the Naalehu Debris Basin Watershed project.
- Pelekane Bay Watershed Project
- Proposing studies to determine and address run-off into Kealahou Bay.
- Manawainui Watershed Implementation Project
- Waiahewahewa Watershed Project
- Sponsored the Hanalei River Suspended Sediment Monitoring Project
- DOH Agreement to perform baseline survey of Makeahua Gulch
- DOH Agreement to update CRMP Waiulaula Watershed Management
- Waipio Valley Flood Damage Reduction and Stream Stabilization Preliminary Investigation
- Kona SWCD Flood Control Structure Inspections and Assists with Flash Flood Damage Assessments



Conservation Planning

- State DLNR Requirements for Conservation Plans on All New Land Leases
- Develop and Review Conservation Plans
- Review and Comment on County Grading and Grubbing Plans
- Honolulu Bay Coral Reefs Initiative Projects.
- Rural Water Project
- Molokai Ag Development Projects
- Maui Ag Development Projects Phase 1, 2
- Kanae Water Flume Restoration Project
- Kahakuloa Stream Intake Project
- Guidelines to Hawaii State Livestock Waste Management
- Assisted DLNR in the Permitting and Construction Phase of the Hanalei Project
- Operations and Maintenance Inspection of the Wailuku/Alenaio Project.
- Irrigation Project at Kokee
- Improved Access of Hoopii Pond
- Ookala Re-forestation Project.
- Native species vegetation restoration plan, fire management plan, sediment management plan



- and educational materials
- Agricultural Road Stabilization Project at Pioneer Hi-Bred's Waimea Research Center.
- Restore irrigation systems abandoned by Lihue Plantation Co.

Conservation Education Program

- Sammy Soil & Ruby Raindrop
- Conservation Awareness Program - Land Judging Contest
- Conservation Poster Contest
- Make a Splash with Project WET (Water Education for Teachers)
- Hanalei Elementary School Conservation Education Area.
- Fireweed Eradication and Education Project
- Agricultural Road Drainage Techniques
- Created a Windbreak educational video.
- Animal waste management, stream bank protection, and erosion control to assist farmers in employing better practices workshops
- Hanalei Valley Irrigation Intake Protection/ Streambank Stabilization Preliminary Investigation Project
- Demonstration and Training in Critical Area Stabilization Techniques on Agricultural Roads and Unprotected Waterways
- Year of the Soil - Soil Health Workshops throughout the state
- Educate elected officials as to what our community's resource concerns are and how to address them
- Kona's Native Hawaiian Plant Book
- Ag in the Classroom



Community Outreach

- USDA Grant Programs to Improve and Protect Ag and Conservation Lands
- Maui Fair
- Hawaii State Capitol Ag Day
- Ag Fest

- Watershed Education for elementary and high school students, and community organizations.
- Initiating optimum water utilization meeting with the community and landowners.
- Coordinated Resource Management Plan (CREP)
- Worked with County, State, and Piihonua Community Association on gaining visible access to Diversion No. 4 of the Wailuku/Alenaio Inspection Project.
- Earth Day



Other Miscellaneous Items

- Lanai and Molokai Market Places
- Molokai Heifer Program
- Coqui Frog Eradication Program
- Miconia Eradication Program
- Maui Invasive Species
- Animal Stocking & Quarantine Station
- Community Wildfire Protection Plans
- MoMISC – Molokai (Maui) Invasive Species Committee
- Molokai Agricultural Community Program
- Molokai Recycling Center Proposal
- Molokai Heifer Project
- Molokai Junk Car Removal
- Maalaea Wind Farm project.
- Developed a Hawaiian Arboretum in Wailua.
- Kekaha Game Management Area
- Participate in the Kauai County Drought Mitigation Committee.
- Kupulena Ag Park Development
- Applied for funding from the Bureau of Reclamation to haul water to 291 landowners, farmers, ranchers and residential property owners who do not have access to the municipal water supply and are being affected by severe drought conditions.
- Ahu Lani Sanctuary Restoration Project



MAHALO TO OUR PARTNERS FOR PROVIDING FINANCIAL AND IN-KIND CONTRIBUTIONS

Federal Partners



USDA Natural Resources Conservation Service,

<http://www.pia.nrcs.usda.gov>

NRCS is the main technical assistance provider for the 16 SWCDs in Hawai'i. District planners work out of NRCS Field Offices and all of our conservation plans are done according to NRCS standards.

USDA Farm Service Agency,

<http://www.fsa.usda.gov/FSA/>



FSA administers and manages farm commodity, credit, conservation, disaster and loan programs. Hawaii farmers produce a variety of agricultural commodities, and the Hawai'i FSA strives to serve our unique agricultural communities with farm programs and low-interest loans.



Environmental Protection Agency,

<http://www.epa.gov/region09/>

EPA strives to protect human health and the environment nationwide. In Hawai'i, EPA develops and enforces regulations, provides financial assistance for environmental programs, sponsors volunteers, and expands the community's knowledge of the environment through education and research.



USDA Rural Development,

<http://www.rurdev.usda.gov/hi/>

RD seeks to meet the needs of our diverse rural population by delivering Rural Development programs and services in housing, rural utilities, and business-coops.

County Partners



County of Kauai',

<http://www.kauai.gov/>

Kauai County serves the transportation, safety, environmental and developmental needs of Kauai citizens. The County has been actively supporting East & West Kauai SWCDs activities for many years.



City & County of Honolulu,

<http://www.honolulu.gov/>

The City & County of Honolulu offers a variety of services to the citizens of O'ahu. Over the past 2 years, the City has helped fund two O'ahu SWCDs planners through the O'ahu RC & D.



County of Maui,

<http://www.co.maui.hi.us/>

Maui County encompasses the islands of Maui, Moloka'i, Lana'i and Kaho'olawe. The County provides financial and in-kind support for the Maui SWCDs over many years.



County of Hawaii',

<http://www.hawaii-county.com/>

In addition to the many services it offers, Hawai'i County is a long standing supporter of the Hawai'i Island SWCDs.

State of Hawai'i Partners



Department of Land & Natural Resources,

<http://www.hawaii.gov/dlnr>

As a sub-entity of the State, HACD falls under the State of Hawai'i DLNR. DLNR has a wide range of responsibilities, ranging from land management and permitting to historic preservation and natural resources conservation, including drought mitigation and stormwater management



Department of Health – Clean Water Branch,

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

The State of Hawai'i DOH aims to protect and improve the health and environment for all people in Hawai'i. Its Clean Water Branch focuses on keeping our inland and coastal waters healthy, and directs the Polluted Runoff Control Program, which administers grant money from EPA through Section 319(h) of the Federal Clean Water Act to address polluted runoff throughout the State.



University of Hawai'i Cooperative Extension Service,

<http://www.ctahr.hawaii.edu/site/extprograms.aspx>

UH Extension Service provides science-based information in agriculture, natural resources and human resources. Its Agricultural Diagnostic Service Center provides insect identification and disease diagnosis; soil, plant, water and feed analysis; and seed sales of cultivars of vegetables and papayas developed by the College.



Coastal Zone Management Program,

<http://www.hawaii.gov/dbedt/czm/>

The Hawai'i CZM Program partners several environmental programs in Hawaii to promote a sustainable coastal environment by building upon our heritage and inspiring island stewardship.

Non-Profit Partners



Hawai'i Farm Bureau Federation,

<http://www.hfbf.org/>

The Hawaii Farm Bureau is a non-profit organization that promotes local farming by analyzing issues and formulating actions to ensure the future of Hawai'i agriculture. Issues include taxes, land use, water, legislative activity and marketing. All agricultural producers are strongly encouraged to join.



Resource Conservation & Development,

<http://www.pacrimrcd.org/>

NRCS established the RC & D program to accelerate natural resources conservation and development and utilization of natural resources. RC & D groups improve the capability of state and local agencies in rural areas by focusing efforts and assistance on individual producers.

O'ahu RC & D: <http://www.oahurcd.org/>

Garden Isle RC & D: <http://www.gircd.org/>

Tri Isle RC & D: <http://tri-isle.org/>

Big Island RC & D: <http://www.bigislandrcd.org/>

