

SUSTAINABLE WATER SOURCE

Fresh Clean Island Water:

- West Maui provides nearly 80% of the Department of Water Supply's ground and surface water for its Maui consumers
- The summit at Pu'u Kukui is one of the wettest places in the world
- West Maui annual rainfall varies between 16" at low elevations to a maximum 400" at the forests' core
- There are 20 perennial (flows all year round) fresh water streams
- The West Maui Mountains produce billions of gallons of water a year for communities from West Maui to Pa'ia and Makena!



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WEST MAUI MOUNTAINS WATERSHED PARTNERSHIP

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Chris Brosius
Conservation for Clean Water

Natural resource management for the conservation of West Maui's native Hawaiian forests & watersheds

Land Owning Partners:

- Ka'anapali Land Management Corp/ The Nature Conservancy of Hawaii
- Kahona Land Company, LLC.
- Kamehameha Schools
- Makila Land Co, LLC.
- Maui County, Department of Water Supply
- Maui Land & Pineapple Company, Inc.
- State of Hawaii, Forest Reserves
- State of Hawaii, Natural Area Reserves
- Waialuku Water Company, LLC.

Native Hawaiian

- Home to the found nowhe
- Giant Living S capture cloud annual rainfall
- Reef savers: prevent runoff reefs and fish
- Natural Filter flows more c
- Enormous as goods and se Hawaiian fore in the billions

WMMWP WATERSHED PARTNERSHIP

FORESTS AND WATER

Rob Ratowski

WEST MA

Maui Mountains Partnership

Est. 1998

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at
Maui.
e
known as
ations range from
near sea level. This
181 rare species
es billions of gallons
al, industrial, and

Partnership lands = 10% of Maui
by fences to date: 21,114
ated communities: 33,051
endangered plants: 23,213

Watershed?

between two ridges
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ous topography directs
ams and underground

e human-nature
etween our lives and the
f our watersheds. Our
ve should not take the
nction for granted!

watersheds found in West
er for us all.

The WORK we do Protects the WATER you drink

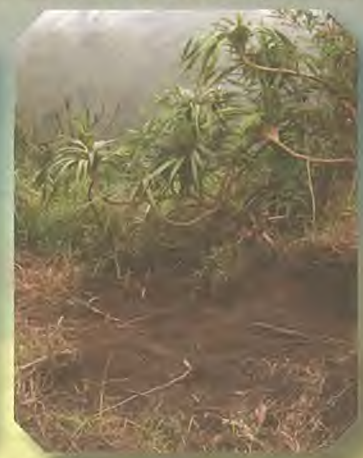
...as well as the biodiversity and Hawaiian culture that is unique to Maui. West Maui's streams and aquifers provide fresh water to your home or business in West, Central, and South Maui. To do this, the watershed needs to function as an intact community of native plants and animals that intercept rainfall and water from passing clouds.

Without critical natural resource management, encroaching invasive species would continue to spread and disrupt the native forest's natural functions, threatening the sustainability of our island's water resources and increasing the likelihood of species extinctions.

The single greatest threat to the watershed is invasion of non-native species



The work we do helps protect pristine forests like this...



...from feral ungulates that turn native forests into wastelands.



The Value of Native Species

Mauna Kahalawai is a storehouse of biological riches, where native plants, birds, snails, insects and other species number in the thousands and we are still discovering more! Native species offer a connection to the roots of Hawaiian culture and provide an aesthetic value, instilling a sense of wonder for the people of our island and others around the world.

But perhaps the greatest value of the thousands of native species in the West Maui Watershed is the function they perform together, as parts of a complex, natural ecosystem. Native species and ecosystems provide the best chance for a stable and beautiful watershed, and it would be impossible to replace them at any price if they were destroyed!!

6 unique plant communities

123 rare plant species

52 rare animal species



& Control

Non-native invasive plants compete with and displace native plants. The control of invasives is essential in maintaining native ecosystem functions. Please help by preventing new introductions!



Endangered Species Protection

Nearly 60% of Hawaii's native flora are in danger of becoming extinct. Our Partnership protects more than 23,000 acres of critical habitat for endangered plants.



Fence Building

Over 18 miles of fencing protects over 21,000 acres from wild feral ungulates such as pigs, goats, cattle and deer that destroy vegetation, spread weeds, accelerate erosion and pollute water with disease.



Public Outreach

Community involvement is essential to our success. We encourage volunteer stewardship activities and public education. After all this is your watershed too!



Photo: Air Maui