Hau'ula to Punalu'u Watershed Snapshot

LOCAL MEASURES OF AHUPUA'A HEALTH

The Watershed Snapshot is a status report on the health of our ahupua'a, or watershed. In consultation with the Hawai'i Conservation Alliance, communities across the state identified metrics that would best define the health of their ahupua'a. Available data from resource management organizations was compiled to inform the selected metrics, and communities also collected socio-economic, and local kūpuna (elder) knowledge. An online library of all available watershed related data has been created as a public resource and can be found by visiting hca.maps.arcgis.com. The information compiled in a suite of communication tools will help inform, guide and garner support for increasing mauka to makai management efforts. Visit www.hawaiiconservation.org/communitysnapshot for more information.

RAIN GAUGE STATION

MALULUHUA RAINFALL

NATURAL TROPICAL BOTANICAL GARDEN

KALUANUI STREAM

MAKAIUIA STREAM

KAIPAPA'U STREAM

WAIPILORO STREAM

PU'UO MAKAIUIA SHORT-MAILED HAWAIIAN SPINY LANTERNFISH

WAIPULU'U STREAM

MAKAHAWIKA HEIAU

WAIHEA HEIAU

WATER QUALITY MONITORING STATION

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MAKAIUIA HILLA (RED ORANGE-PINK)

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MAKAIUIA HILLA (RED ORANGE-PINK)

"THE KŪPUNA TELL US THERE IS LESS WATER IN THE STREAM, AND THE SCIENTISTS TELL US THAT THEY THINK IT IS FRESHWATER. BUT THE SPREAD OF INVASIVE TREES MEANS THE FOREST HOLDING DIE IN LESS WATER THAN THEY USED TO. MAHALU IS NOT DRY. FRESHWATER FLOWS INTO THE STREAM, BUT MAHALU STILL HAS CLEAN FLOWING WATER IN THE FUTURE."

"THE OCEAN NEEDS TO DRINK. THE ZONE WHERE THE WAY (FRESHWATER) FROM THE LAND MEETS THE SEA (SALTWATER) IS WHERE THE LIFE GROWS. AND IN THE BIODIVERSITY FOR MARINE AND STREAM LIFE. WE NEED GOOD QUALITY WATER FLOWING FROM MAHALU SO THAT THE OCEAN CAN BE FULL OF LIFE."

43% COBIA COVERAGE
(10%-50% DENSITY)

ALMOST HALF OF THE EST MARINE LIFE DEPEND ON SALINE WATERS

RAIN GAUGE STATION

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"THE NUMBERS OF MAHALU WERE HAP CHRISTENSEN INHIBITED OVER THE YEARS DUE TO A COMBINATION OF FACTORS INCLUDING THE LOSS OF CORAL HABITAT, OVER-HARVESTING OF FISH, AND DECREASED WATER QUALITY FROM POLLUTION SUCH AS FROM SHOREFRONT FROM THE LEGAL ESTATE. MAKALU OFFICIAL, PACIFIC ISLANDS COMMUNITY"