APPENDIX 1-1: ENVIRONMENTAL OUTREACH 2009

VOLUNTEER SERVICE TRIPS:



Volunteers remove the incipient weed, Juncus effusus, from the summit of Kaala.



Scouts carry supplies to construct a water catchment, trail steps, and fence crossings.



Volunteers help clear invasive weeds around the site of a future field nursery for National Public Lands Day 2009.



Members of the Hawaii Youth Conservation Corps help remove invasive strawberry guava in the forest at Kahanahaiki.



Volunteers endure muddy conditions while removing the incipient weed, *Crocosmia* x *crocosmiifolia* at Kaala.

EDUCATIONAL MATERIALS:

Öhikilolo Cliff

Dry Cliff, Mesic Shrubland and Mesic Forest

Characteristics:

The 'Ōhikilolo cliffs range from open, dry cliff vegetation to pockets of mesic native shrubland and forest. A center of abundance for many rare plants, the 'Ōhikilolo cliffs are home to a high number of endemic species (species found nowhere else), which are protected from goats by a fence built along the ridge.

Cultural History:

'Õhikilolo ridge's steep, fissured cliffs separate Mākua Valley from Kea'au and Mākaha Valleys. The name 'Õhikilolo means "crazy crab," Stories describe its namesake as a type of crab found on the beaches of Mākua that moves about wildly. Movement of kāwelu, a native bunchgrass found along the cliffs, is inspirational for hula dancers as they mimic its graceful swaying in certain dances.

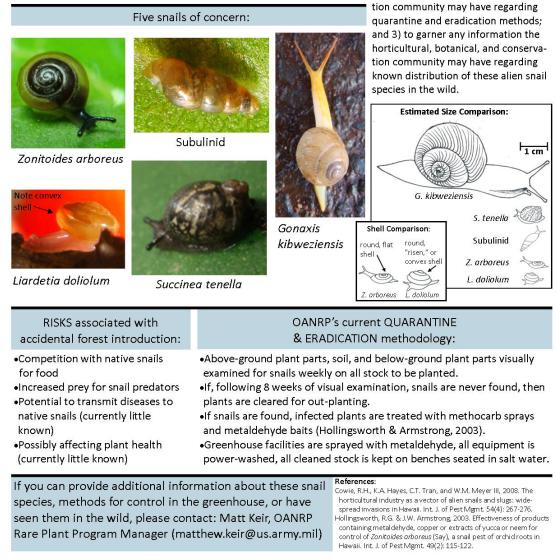


Example of one of the interpretive signs designed for the OANRP's new baseyard interpretive garden.

Alien Snails Found in Greenhouses -Can We Keep Them Out of Our Native Forests?



The O`ahu Army Natural Resources Program (OANRP) maintains two endangered plant nurseries where propagules are raised for genetic storage and to be out-planted back into the wild. Within the last several months, it has been discovered that much of the nursery stock are harboring multiple species of alien snails. It has been shown that horticultural facilities act as critical vectors for many alien snail and slug species, highlighting the need for greater awareness about these species (Cowie et al., 2008). The purpose of this informational flyer is threefold: 1) to provide additional information for any agencies/organizations conducting out-plantings in the wild by highlighting the species found in OANRP nurseries; 2) to garner any information that the horticultural, botanical, and conserva-



Flyer distributed at the Hawaii Conservation Conference and to other colleagues regarding invasive snails in the greenhouse.

OUTREACH EVENTS:



OANRP's booth at the Grow Hawaii Festival, April 2009.



Participants planted native Kookoolau seeds at the Bishop Museum's Family Sunday event, July 2009.

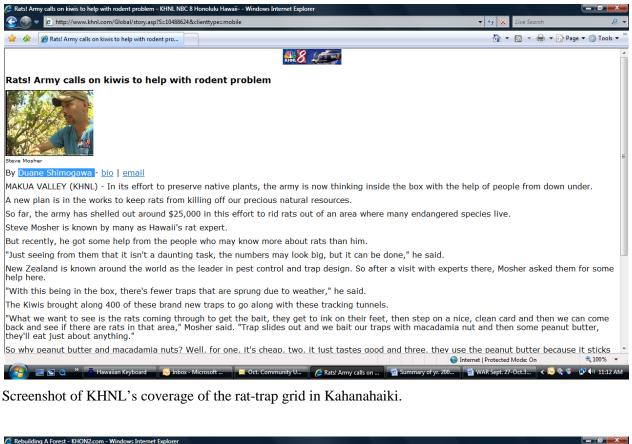


Guests tour the interpretive gardens at the new OANRP baseyard during the Earth Day Open House.



One of the OANRP's stellar volunteers, Jim Keenan, receives a volunteer appreciation award at the Earth Day Open House by Colonel Margotta; Army Natural Resources chief Michelle Mansker (center) announced the awards.

PUBLIC RELATIONS:





Screenshot of KHON's coverage of the story of Cyanea superba, "Rebuilding a Forest."



time an endangered waterbird has been observed breeding on Army land in the state of

and other waterbirds.

Front page from Summer 2009 EMP Bulletin.