



O'AHU INVASIVE SPECIES COMMITTEE

Monthly Report for April 2014

MICONIA

Crewmembers conducted 223.5 acres of ground surveys for miconia in 5 watersheds.

| Watershed | Aerial Acres Surveyed | Ground Acres Surveyed | Mature Controlled | Immature Controlled | Work Hours |
|--------------|-----------------------|-----------------------|-------------------|---------------------|------------|
| Kalihi | 0 | 0 | 0 | 0 | 10 |
| Makiki | 0 | 4.5 | 0 | 0 | 8 |
| Manoa | 0 | 62 | 0 | 14 | 20 |
| Nuuanu | 0 | 66 | 0 | 0 | 18 |
| Waimanalo | 0 | 91 | 0 | 18 | 8 |
| TOTAL | 0 | 223.5 | 0 | 32 | 64 |

CAPE IVY

OISC field crew discovered a new population of Cape Ivy (*Delairea odorata*) on Oahu in February. Upon permission from the landowners, OISC crew will continue delimiting surveys and treat all plants found. Due to the growth habit of Cape ivy, individual plants controlled data cannot be collected, so OISC tracks acres treated.

| Watershed | Ground Acres Surveyed | Acres Controlled | Work Hours |
|--------------|-----------------------|------------------|------------|
| Kaloi | 21 | 18.63 | 315 |
| Manoa | 0.9 | 0 | 4 |
| TOTAL | 21.9 | 18.63 | 319 |

DEVIL WEED

OISC staff conducted surveys and treatment of *Chromolaena odorata* in Kahuku for one day.

| Watershed | Acres Surveyed | Mature | Immature | Total Plants | Work Hours |
|-----------|----------------|--------|----------|--------------|------------|
| Paumalu | 11 | 25 | 61 | 86 | 38 |

FEATHERTOP FOUNTAIN GRASS

Survey and treatment for *Pennisetum villosum* was conducted in two watersheds.

| Watershed | Acres Surveyed | Mature | Immature | Total Plants | Work Hours |
|--------------|----------------|----------|----------|--------------|------------|
| Aiea | 0.4 | 0 | 1 | 1 | 8 |
| Wailupe | 0.03 | 0 | 0 | 0 | 0.5 |
| TOTAL | 0.43 | 0 | 0 | 0 | 8.5 |

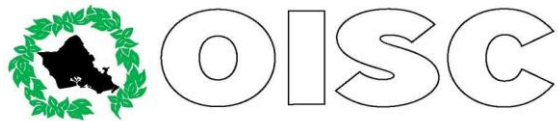
FIREWEED

Survey and treatment for *Senecio madascariensis* was conducted in the Keamanea watershed.

| Watershed | Acres Surveyed | Mature | Immature | Total Plants | Work Hours |
|-----------|----------------|--------|----------|--------------|------------|
| Keamanea | 70 | 19 | 147 | 166 | 48 |

FOUNTAIN GRASS

Survey for of *Pennisetum setaceum* were conducted over 64 acres in the Waianae Mountains and along Farrington highway.



O'AHU INVASIVE SPECIES COMMITTEE

| Watershed | Acres Surveyed | Mature | Immature | Total Plants | Work Hours |
|--------------|----------------|----------|----------|--------------|------------|
| Kaupuni | 20 | 0 | 0 | 0 | 10 |
| Makaiwa | 44 | 0 | 0 | 0 | 9 |
| TOTAL | 64 | 0 | 0 | 0 | 19 |

MEXICAN FEATHER GRASS

Survey and treatment for *Nassella tenuissima* was conducted in the Wailupe watershed.

| Watershed | Acres Surveyed | Mature | Immature | Total Plants | Work Hours |
|-----------|----------------|--------|----------|--------------|------------|
| Wailupe | 0.25 | 0 | 0 | 0 | 0.5 |

RUBY GRASS

Survey and treatment for *Melinis nerviglumis* was conducted in the Wailupe watershed.

| Watershed | Acres Surveyed | Mature | Immature | Total Plants | Work Hours |
|-----------|----------------|--------|----------|--------------|------------|
| Wailupe | 0.02 | 0 | 0 | 0 | 0.5 |

PEST RESPONSE

Coconut Rhinoceros Beetle (*Oryctes rhinoceros*) Surveys

OISC is working in partnership with the U.S. and Hawaii Department of Agriculture to survey for a new pest species on Oahu, the coconut rhinoceros beetle. This pest beetle is only known to occur on Oahu in the State of Hawaii. It is a pest of a variety of palm and pandanus tree species.

| Watersheds | Acres Surveyed | # of surveys | # of CRB detected | # controlled | Work Hours |
|--------------|----------------|--------------|-------------------|--------------|------------|
| Halawa | 6 | 1 | 0 | 0 | 4 |
| Heeia | 3 | 1 | 0 | 0 | 2 |
| Kaelepulu | 11 | 1 | 0 | 0 | 4 |
| Kahawai | 6 | 1 | 0 | 0 | 4 |
| Kalihi | 30 | 2 | 1 | 1 | 20 |
| Kaloi | 759 | 1 | 0 | 0 | 16 |
| Kaneohe | 2 | 1 | 0 | 0 | 2 |
| Kapalama | 10 | 1 | 0 | 0 | 7 |
| Kawainui | 6 | 1 | 0 | 0 | 2 |
| Keehi | 7 | 1 | 0 | 0 | 5 |
| Koko Crater | 271 | 1 | 0 | 0 | 8 |
| Manuwai | 40 | 1 | 0 | 0 | 17 |
| Moanalua | 10 | 1 | 0 | 0 | 7 |
| Salt Lake | 16 | 1 | 0 | 0 | 8 |
| Waimanalo | 1 | 2 | 0 | 0 | 2 |
| TOTAL | 1178 | 17 | 1 | 1 | 108 |

Coqui Frog (*Eleutherodactylus coqui*) Early Detection Surveys*

| Watersheds | Acres Surveyed | # of surveys | # of frogs detected | # of frogs controlled | Work Hours |
|------------|----------------|--------------|---------------------|-----------------------|------------|
|------------|----------------|--------------|---------------------|-----------------------|------------|



O'AHU INVASIVE SPECIES COMMITTEE

| | | | | | |
|-----------|------|---|---|---|---|
| Waimanalo | 7.75 | 1 | 1 | 1 | 2 |
|-----------|------|---|---|---|---|

* All work is conducted in collaboration with the Hawaii Department of Agriculture

Little Fire Ant (*Wasmannia auropunctata*) Early Detection Surveys*

| Watersheds | Acres Surveyed | # of surveys | LFA detected (y/n) | Work Hours |
|--------------|----------------|--------------|--------------------|------------|
| Kaloi | 0.61 | 2 | N | 6 |
| Kapakahi | 0.12 | 1 | N | 3 |
| Waiawa | 0.72 | 2 | N | 8 |
| Waikele | 0.22 | 1 | N | 3 |
| Waimanalo | 6.5 | 7 | Y | 112 |
| TOTAL | 8.17 | 13 | | 132 |

* All work is conducted in collaboration with the Hawaii Department of Agriculture

OUTREACH

The OISC staff participated in events that reached over 10,740 people throughout the month. OISC participated in four Earth Day events across the island, screened the MISC Invasion: Little Fire Ant in Hawaii documentary at the University of Hawaii at Manoa, and one neighborhood board meeting. Staff also conducted a radio interview on Bytemarks Café (HPR2) and participated in Green Magazine's Green Drinks event.

MONTHLY VOLUNTEER TRIP

The volunteer trip to Lyon Arboretum this month surveyed and controlled 15 immature *Ardisia virens* and 2 mature and 1,115 immature *Stromanthe tonckat*.

OISC Volunteer Trip Control Results

| Date | <i>Ardisia virens</i> | <i>Stromanthe tonckat</i> | Acres Surveyed | Volunteer Hours | Work Hours |
|----------|-----------------------|---------------------------|----------------|-----------------|------------|
| April 12 | 15 | 1117 | 2 | 27 | 11.5 |

EARLY DETECTION AND RAPID RESPONSE

The Oahu Early Detection team surveyed Waimea Botanical gardens this month. The OED team identified ___ plant specimens collected by partner organizations and the public.

OED Plant Specimen Identifications

| Entity | # of ID's |
|-------------------|-----------|
| | |
| | |
| | |
| | |
| Total Id's | |

OTHER

- FY15 Funding: Proposals = \$___, Secured = \$85,000; expected need: \$1.6 million
- Partnerships: DLNR-; KMWP- ; NARS-; WMWP-
- Meetings: HISC funding, HDOA Chrodo meeting



- New Hires:
- Baseyard: