**Monthly Report for July 2014**

**Miconia**

Crewmembers conducted 122 acres of ground and 482 acres of aerial surveys for miconia for a total of acres surveyed in watersheds. One of the two miconia controlled was a plant reported by a Manoa resident.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Aerial Acres Surveyed** | **Ground Acres Surveyed** | **Mature Controlled** | **Immature**  **Controlled** | **Work Hours** |
| Kahaluu | 133.91 | 0 | 0 | 0 | 15 |
| Kalihi | 0 | 53.63 | 0 | 0 | 76 |
| Manoa | 348.09 | 31.93 | 0 | 2\* | 87 |
| Nuuanu | 0 | 36.49 | 0 | 0 | 100 |
| **TOTAL** | **482** | **122.05** | **0** | **0** | **278** |

**Cape ivy**

Surveys, treatment and monitoring of *Delairea odorata* wereconducted over 1.17 acres in the Kaloi watershed.

**Devil weed**

Crew conducted surveys and treatment of *Chromolaena odorata* in Kahuku for three days and the crew conduct one day in Kahana Valley, where they found a large “hotspot” of plants.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Kahana | 1.8 | 18 | 1564 | 1582 | 50 |
| Paumalu | 158.64 | 19 | 108 | 127 | 180 |

**Fireweed**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Keamanea | 32.60 | 0 | 0 | 0 | 32 |

**Himalayan blackberry**

Survey and treatment for *Rubis discolor* was conducted in Palolo over 19 acres.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Palolo | 19.80 | 0 | 14 | 14 | 121.90 |

**Pest Response**

**Coconut rhinoceros beetle**(*Oryctes rhinoceros*)

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** | **Work Hours** |
| Waiawa | 0.44 | 1 | 0 | 12 |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watersheds** | **Acres Surveyed** | **# of surveys** | **# of frogs detected** | **# of frogs controlled** | **Work Hours** |
| Kahawai | 1.13 | 1 | 0 | 0 | 2 |
| Keamanea | 0.06 | 1 | 0 | 0 | 6 |

\* 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** |
| Kahawai | 0.9 |  |  | 3.5 |
| Kapakahi | 0.23 |  |  | 4.5 |
| Kawainui | 0.42 |  |  | 12 |
| Poamoho | 0.68 |  |  | 16 |
| Waiawa | 0.22 |  |  | 8 |
| Waikele | 1.95 |  |  | 28 |
| Waimanalo | 9.59 |  |  | 36.5 |
| **Total** | **13.99** |  |  | **108.5** |

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

**Outreach**

OISC outreach staff participated in the Mililani Mauka Town Hall meeting to discuss the little fire ant infestation, hosted a little fire ant education table at the Hawaii Conservation Conference and HEEA educational symposium. They also attended the Hawaii State Farm Fair. Outreach staff presented invasive species information to the Pearlridge Rotary Club, the Friends of Honolulu Botanical Garden and the Hoomaluhia Botanical Garden.

**Monthly Volunteer Trip**

The volunteer trip to Lyon Arboretum this month surveyed and controlled 36 immature *Ardisia virens* and 2 mature and 28 immature *Stromanthe tonckat*.

**OISC Volunteer Trip Control Results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | ***Ardisia virens*** | ***Stromanthe tonckat*** | **Acres Surveyed** | **Volunteer Hours** | **Work Hours** |
| July 12 | 36 | 30 | 7.78 | 20 | 13.25 |

**Early Detection and Rapid Response**

The Oahu Early Detection team completed surveying State highways roadsides on Kauai this month.

OED Plant Specimen Identifications

|  |  |
| --- | --- |
| **Entity** | **# of ID's** |
| DLNR | 2 |
| Master Gardeners | 1 |

**Other**

* FY15 Funding: Proposals = HISC awards for control, outreach, Tibouchina and CRB. Requested to submit full proposal to NFWF for Tibouchina control in partnership with NARS and KMWP.
* Partnership work: KISC, HDOA, USDA
* Meetings/Conferences: Island Biology, Hawaii Conservation Conference, LFA ICS bi-weekly meetings, CRB ICS at Hickam-Pearl Harbor, C&C invasive species overview, Friends of the Honolulu Botanical Gardens, Mamalu Poepoe, KMWP, NISC
* New Hires: 3 new permanent and 1 temporary field techs will be starting in the next month. We hope to hire 1 more temp and 2 more permanent by October.
* Baseyard:
  + Tree trimming – C&C partnership
  + Bee’s nest
  + Banyan tree rotting
  + Shed roof damage
  + Diseased African tulip near OISC office
  + Strangers, illegal dumping and abandoned vehicles