**Monthly Report for January 2015**

**Miconia**

Crewmembers surveyed 1,511 acres aerially, 111.38 acres by ground for miconia for a total of **1,622** acres surveyed in 13 watersheds.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Watershed** | **Aerial Acres Surveyed** | **Ground Acres Surveyed** | **Roadside Acres Surveyed** | **Binocular Acres Surveyed** | **Mature Controlled** | **Immature**  **Controlled** | **Work Hours** |
| Ahuimanu | 187.14 | 0.00 | - | - | 0 | 0 | 12.00 | |
| Heeia | 0.00 | 12.87 | - | - | 0 | 0 | 16.50 | |
| Kaalaea | 8.84 | 0.00 | - | - | 0 | 0 | 5.00 | |
| Kahaluu | 133.57 | 0.00 | - | - | 0 | 0 | 12.00 | |
| Kalauao | 32.08 | 0.00 | - | - | 0 | 0 | 4.55 | |
| Kalihi | 193.23 | 0.00 | - | - | 0 | 0 | 14.15 | |
| Kaukonahua | 101.87 | 0.00 | - | - | 0 | 0 | 10.50 | |
| Kawainui | 268.33 | 0.00 | - | - | 0 | 0 | 25.55 | |
| Makiki | 0.00 | 17.66 | - | - | 0 | 2 | 28.00 | |
| Manoa | 117.81 | 39.66 | - | - | 0 | 0 | 162.40 | |
| Nuuanu | 367.96 | 41.20 | - | - | 0 | 0 | 157.35 | |
| Waihee | 56.64 | 0.00 | - | - | 0 | 0 | 16.50 | |
| Waimanalo | 43.86 | 0.00 | - | - | 0 | 0 | 6.00 | |
| **Total** | **1511.31** | **111.38** | - | - | **0** | **2** | **470.50** | |

**Cane ti**

Survey and treatment for *Tibouchina berbecea* was conducted over \_\_\_ acres.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Makiki | 35.36 | 3 | 26 | 29 | **115.00** |

**Cape ivy**

Surveys and treatment of *Delairea odorata* wereconducted over 3.48 acres in Kaloi watershed.

**Devil weed**

Crew conducted surveys and treatment of *Chromolaena odorata* in Kahuku for three days.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Aiea | 7.96 | 8 | 13 | 21 | 40.00 |
| Kahana | 7.98 | 0 | 0 | 0 | 50.00 |
| Keamanea | 0.00 | 1 | 0 | 1 | 3.00 |
| Paumalu | 174.69 | 59 | 106 | 165 | 206.50 |
| **TOTAL** | **190.63** | **68** | **119** | **187** | **299.50** |

**Fireweed**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Keamanea | 17.11 | 0 | 0 | 0 | **53.00** |

**Glory bush**

Survey and treatment for *Tibouchina urvilleana* was conducted over \_\_\_ acres.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Makiki | 7.01 | 0 | 3 | 3 | **28.00** |

**Himalayan blackberry**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Palolo | 16.51 | 0 | 5 | **5** | **88.00** |

**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** |
| Heeia | 6.333634 | 3 | 0 | 6 |
| Kaelepulu | 10.714 | 1 | 0 | 4 |
| Kahawai | 5.542 | 1 | 0 | 2 |
| Kaneohe | 15.833009 | 3 | 0 | 8 |
| Kawa | 6.3334 | 2 | 0 | 4 |
| Kawainui | 29.916379 | 3 | 0 | 8 |
| Keaahala | 7.125371 | 3 | 0 | 4 |
| Puu Hawailoa | 3.1667 | 2 | 0 | 2 |
| Waimanalo | 0.792 | 1 | 0 | 2 |
| **Total** | **55.8397** | **19** | **0** | **47** |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watersheds** | **Acres Surveyed** | **# of surveys** | **# of frogs detected** | **# of frogs captured** | **Work Hours** |
| Waimanalo | 2.6412 | 3 | 4 | 4 | 9.5 |

\* 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** |
| Ala Wai | 0.14 | 2 | N | 8 |
| Hakipuu | 3.2017 | 2 | N | 12 |
| Waianu | 1.298 | 1 | N | 8 |
| Waikele | 6.00 | 1 | - | 8 |
| Waimanalo | 12.98 | 3 | - | 49 |
| **Total** | **9.054** | **10** |  | **67** |

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

**Naio thrips** (*Klambothrips myopori*) **Early Detection Surveys**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Watersheds** | **Acres Surveyed** | **# of surveys** | **Thrips detected (y/n)** | **Work Hours** |
| Kamiloiki | 0.721 | 1 | N | 1 |
| Kamilonui | 0.721 | 1 | N | 1 |
| Koko Crater | 3.6050 | 5 | N | 5 |
| Makapuu | 0.721 | 1 | N | 1 |
| **Total** | **2.428** | **8** |  | **8** |

**Outreach**

OISC outreach staff participated in the Waipahu High School CRASH event, assisted with mock interviews at two schools, and distributed invasive species staff training materials to two island nature tour companies – Oahu Nature Tours and Pedal Bike Tours. An OISC staff member was interviewed by KITV during the Tantalus Community Association Clean Up day.

**Monthly Volunteer Trip**

The volunteer trip to Lyon Arboretum this month surveyed and controlled 1 mature and 53 immature *Ardisia virens* and 9 mature and 167 immature *Stromanthe tonckat*.

**OISC Volunteer Trip Control Results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | ***Ardisia virens*** | ***Stromanthe tonckat*** | **Acres Surveyed** | **Volunteer Hours** | **Work Hours** |
| Jan 10 | 54 | 176 | 11.45 | 41 | 8 |

**Other**

* FY15 Funding: Secured = $1.28 million; expected need: ~$1.4 million
* Partnership work: KMWP, NARS Tibouchina herbacea Poamoho survey and treatment; assisted with the Tantalus Community Association Tantalus Clean Up day;
* Meetings: HISC legislative briefing; LFA Oahu planning and outreach meeting; OISC general meeting
* New Hires: Rachel Neville – Technical and Grant Writer; Ryan Chang – perm ISFA I
* Baseyard: 3 days; YCA treatment on Jan 6th