**Monthly Report for March 2015**

**Miconia**

Crewmembers surveyed **384** acres aerially, **248** acres by ground for miconia for a total of **632** acres surveyed in **5** watersheds.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Aerial Acres Surveyed** | **Ground Acres Surveyed** | **Mature Controlled** | **Immature**  **Controlled** | **Work Hours** |
| Heeia | 208.58 | 0.00 | 0 | 0 | 12.00 |
| Kalihi | 132.75 | 130.32 | 0 | 111 | 201.00 |
| Kawainui | 0.00 | 26.10 | 1 | 14 | 42.00 |
| Manoa | 42.94 | 48.35 | 0 | 0 | 72.00 |
| Nuuanu | 0.00 | 42.94 | 0 | 0 | 67.00 |
| **Total** | **384.27** | **247.71** | **1** | **125** | **394.00** |

**Cane ti**

Survey and treatment for *Tibouchina berbecea* was conducted over **26** acres in partnership with KWMP and NARS.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Poamoho | 25.82 | 3 | 88 | 91 | **180** |

**Cape ivy**

No surveys or treatments of *Delairea odorata* wereconducted in Kaloi watershed.

**Devil weed**

Crew conducted surveys and treatment of *Chromolaena odorata* in Kahuku for three days. Paumalu work is conducted primarily on Army lands. Aiea work is in partnership with OANRP and MCBH.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Aiea | 70.96 | 81 | 81 | 162 | 149 |
| Paumalu | 337.94 | 52 | 119 | 171 | 302.5 |
| **TOTAL** | **408.9** | **133** | **200** | **333** | **451.5** |

**Fireweed**

Surveys for *Senecio madascariensis* were conducted in the Keamanea watershed.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Keamanea | 37.17 | 0 | 0 | 0 | **64** |

**Glory bush**

No surveys or treatments were conducted in March for *Tibouchina urvilleana.*

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

**Himalayan blackberry**

Vegetation maintenance was conducted in preparation for survey and treatment of *Rubis discolor* in Palolo.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Palolo | 0.25 | 0 | 0 | **0** | **12** |

**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 | 7.917 | 3 | 0 | 5 |
| Kaelepulu | 21.428 | 2 | 0 | 6 |
| Kahawai | 11.084 | 2 | 0 | 3 |
| Kaneohe | 10.291 | 3 | 0 | 7 |
| Kawa | 3.167 | 1 | 0 | 2 |
| Kawainui | 22.958 | 3 | 0 | 7 |
| Keaahala | 4.751 | 3 | 0 | 5 |
| Puu Hawaiiloa | 1.583 | 1 | 0 | 2 |
| Waimanalo | 1.584 | 2 | 0 | 3 |
| **Total** | **84.763** | **20** | **0** | **40** |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watersheds** | **Acres Surveyed** | **# of surveys** | **# of frogs detected** | **# of frogs captured** | **Work Hours** |
| Waimanalo | 10.301 | 4 | 3 | 2 | 13 |
| **Total** | **10.301** | **4** | **3** | **2** | **13** |

\* 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** |
| Waianu | 3.484 | 1 | N | 5 |
| Waihee | 4.621 | 1 | N | 16 |
| Waimanalo | 18.785 | 4 | N | 22 |
| **Total** | **26.89** | **6** |  | **43** |

\* 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** |
| Ala Wai | 0.95 | 5 | N | 8 |
| Manoa | 0.19 | 1 | N | 1 |
| Nuuanu | 0.359 | 1 | N | 2 |
| Palolo | 0.19 | 1 | N | 1 |
| Waialaenui | 1.632 | 2 |  | 4 |
| **Total** | **3.321** | **10** |  | **16** |

**Outreach**

OISC participated in 20 outreach activities, reaching an audience of over 200,000. OISC outreach staff attended the Bishop Museum Science Alive! event and assisted with Hawaii Department of Agriculture's invasive species booth at the Kunia Orchid Show, providing information about some of the most harmful pests to the State and passed out little fire ant testing kits. OISC Manager was interviewed by KHON2 and KITV to promote Hawaii Invasive Species Awareness Week. Outreach staff gave seven presentations about invasive species to Central Middle School and participated in Makaha Elementary School's annual Career Day and Mililani School District's STEM night. OISC outreach staff conducted the monthly volunteer trip to Lyon Arboretum and provided an update to Koolauloa Neighborhood Board about coconut rhinoceros beetle, little fire ant and devil weed.

**Monthly Volunteer Trip**

The volunteer trip to Lyon Arboretum this month surveyed and controlled 0 mature and 62 immature *Ardisia virens* and 20 mature and 239 immature *Stromanthe tonckat*.

**OISC Volunteer Trip Control Results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | ***Ardisia virens*** | ***Stromanthe tonckat*** | **Acres Surveyed** | **Volunteer Hours** | **Work Hours** |
| Mar. 28 | 62 | 259 | 5.57 | 28 | 4 |

**Other**

* FY15 Funding: Secured = $1.28 million; expected need: ~$1.4 million
* Meetings: LFA Oahu planning and outreach meeting
* New Hires: Last interview for Manager position completed on Apr 6th
* Baseyard: Coordinated with Stan Oka of C&C Urban Forestry for his crew to lift and trim deadwood from monkeypod trees. The primary concern was a large dead branch near the office. Field crew 1.5 days; YCA treatment on Mar 24th