**Monthly Report for May 2015**

**Miconia**

Crewmembers surveyed **279** acres by ground for miconia in **6** watersheds.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Aerial Acres Surveyed** | **Ground Acres Surveyed** | **Mature Controlled** | **Immature****Controlled** | **Work Hours** |
| Kaukonahua | 0.0 | 0.02 | 0 | 1 | 4 |
| Kawainui | 0.0 | 168.25 | 0 | 3 | 256 |
| Makiki | 0.0 | 55.94 | 0 | 20 | 91 |
| Manoa | 0.0 | 8.13 | 0 | 2 | 24 |
| Moanalua | 0.0 | 17.34 | 0 | 0 | 24 |
| Nuuanu | 0.0 | 29.30 | 0 | 5 | 28 |
| **Total** | **0.0** | **279.01** | **0** | **26** | **427** |

**Cane ti**

No OISC/KMWP/NARS joint surveys for *Tibouchina berbecea* were not scheduled for this month. KMWP conducted survey streams that are not reflected in this report.

**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.

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| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Aiea | 32 | 7 | 7 | 14 | 48 |
| Paumalu | 155 | 40 | 234 | 274 | 214 |
| Total | 186 | 47 | 241 | 288 | 262 |

**Fireweed**

Surveys for *Senecio madagascariensis* were conducted in the Keamanea watershed

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Keamanea  | 29 | 0 | 0 | 0 | **48** |

**Glory bush**

Surveys were conducted for *Tibouchina urvilleana* and no plants were detected.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Makiki | 2 | 0 | 0 | 0 | **9** |
| Manoa | 7 | 0 | 0 | 0 | **12** |
| **Total** | **9** | **0** | **0** | **0** | **21** |

**Himalayan blackberry**

Survey and treatment for *Rubis discolor* was conducted in Palolo over 7 acres.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** |  **Acres**  | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Palolo | 7 | 0 | 8 | **8** | **88** |

**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 | 4.8 | 2 | 0 | 4 |
| Kaelepulu | 10.7 | 1 | 0 | 4 |
| Kahawai | 5.5 | 1 | 0 | 2 |
| Kaneohe | 8.7 | 2 | 0 | 6 |
| Kawa | 3.2 | 1 | 0 | 2 |
| Kawainui | 16.6 | 2 | 0 | 6 |
| Keaahala | 4.0 | 2 | 0 | 4 |
| Puu Hawaiiloa | 1.6 | 1 | 0 | 2 |
| Waimanalo | 0.8 | 1 | 0 | 2 |
| **Total** | **55.9** | **13** | **0** | **32** |

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

All work is conducted in collaboration with the Hawaii Department of Agriculture**. No coqui frog surveys were conducted this month.**

**Little fire ant** (*Wasmannia auropunctata*) **Early Detection Surveys**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Watersheds** | **Acres Surveyed** | **# of surveys** | **LFA detected (y/n)** | **Work Hours** |
| Ala Wai | 0.2 | 1 | N | 2.2 |
| Halawa | 0.0 | 1 | N | 0.6 |
| Kaloi | 0.7 | 3 | N | 5.9 |
| Kaneohe | 0.5 | 1 | N | 2.6 |
| Manuwai | 4.6 | 3 | N | 11.0 |
| Nuuanu | 0.0 | 1 | N | 0.4 |
| Waiawa | 0.2 | 1 | N | 3.0 |
| Waikele | 0.1 | 2 | N | 6.0 |
| **Total** | **6.3** | **13** |  | **31.7** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Watersheds** | **Acres Surveyed** | **# of surveys** | **Thrips detected (y/n)** | **Work Hours** |
| Halawa | 1.4 | 2 | N | 5 |

**Outreach**

OISC outreach staff reached a total of 499 people this month with an emphasis on little fire ant issues. A total of 205 seventh grade students from Kailua Intermediate School and Le Jardin Academy participated in the little fire ant (LFA) Hoike Curriculum. OSIC also participated in SunEdison’s Clean and Green Day with Waialua Elementary School at the Kawailoa wind farm and the Foster Botanical Garden Annual Plant Sale, where little fire ant testing kits were distributed by the OISC staff wearing the LFA costume. One of OISC’s field crew members participated in a “Thoughtful Hiking” presentation to the Hawaiian Trail and Mountain Club, which included reporting invasive species and proper decontamination protocols.

OISC has begun to track social media outreach through our Facebook, Twitter, Instagram, Website, and Vimeo account. Computer-based media tools allow OISC to generate and maintain interest in invasive species issues. Social media applications facilitate a wide audience reach, fostering discussions and information sharing among multiple geographic communities. These tools also provide another means for invasive species reporting and crowd sourcing. The numbers may not reflect individual persons, instead reflecting how many times OISC engaged the public. Social media reach for May was 6,050.

**Monthly Volunteer Trip**

The volunteer trip to Lyon Arboretum this month surveyed and controlled 1 mature and 279 immature *Ardisia virens* and 4 mature and 82 immature *Stromanthe tonckat*. These two species are known to be located on Oahu only at Lyon Arboretum.

**OISC Volunteer Trip Control Results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | ***Ardisia virens*** | ***Stromanthe tonckat*** | **Acres Surveyed** | **Volunteer Hours** | **Work Hours** |
| May 9 | 280 | 86 | 8.8 | 70 | 8 |

**Other**

* FY15 Funding: Secured = $1.28 million; expected need: ~$1.4 million
* New Hires: Rachel Neville was hired as the “new” OISC Manager. Her projected start date has changed from June 1st to June 4th. June 4. We hired one short-term field crew.
* One field crew completed the USGS Brown Treesnake Rapid Response Team Searcher training program.
* Baseyard maintenance: Field crew 2 days; YCA treatment was completed on May 5th