**Monthly Report for April 2015**

**Miconia**

Crewmembers surveyed **272** acres aerially, **381** acres by ground for miconia for a total of **653** acres surveyed in **6** watersheds.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Aerial Acres Surveyed** | **Ground Acres Surveyed** | **Mature Controlled** | **Immature**  **Controlled** | **Work Hours** |
| Kaalaea | 0.00 | 0.00 | 0 | 0 | 7.50 |
| Kalihi | 140.22 | 9.69 | 0 | 0 | 35.00 |
| Kawainui | 0.00 | 359.48 | 0 | 217 | 427.00 |
| Manoa | 0.00 | 7.81 | 0 | 0 | 15.00 |
| Palolo | 131.89 | 0.00 | 0 | 0 | 12.50 |
| Waimanalo | 0.00 | 3.74 | 0 | 5 | 18.00 |
| **Total** | 272.11 | 380.71 | 0.00 | 222.00 | **515.00** |

**Cane ti**

Survey and treatment for *Tibouchina berbecea* was conducted over **19** acres in partnership with KWMP and NARS. Data QC is still in progress for this species. Preliminary numbers are reported.

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| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Poamoho | 19.32 | 0 | 61 | 61 | **178** |

**Cape ivy**

Survey and treatment of *Delairea odorata* wereconducted in Kaloi watershed. In thick tangles, these vines individual plants are difficult to distinguish, however, treatment is going well and a realistic estimate of plants was possible this month.

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| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Kaloi | 29.17 | ~6 | ~894 | ~900 | 244 |

**Devil weed**

Crew did not conduct surveys and treatment of *Chromolaena odorata* in Kahuku this month.. 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** |
| Kahana | 18.27 | 11 | 57 | 68 | 92 |

**Fireweed**

No surveys for *Senecio madascariensis* were conducted.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres Surveyed** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Keamanea | 0.00 | 0 | 0 | 0 | **0** |

**Glory bush**

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

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

**Himalayan blackberry**

Treatment was attempted but encounter with an unfriendly landowner prevented treatment of *Rubis discolor* in Palolo.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Watershed** | **Acres** | **Mature** | **Immature** | **Total Plants** | **Work Hours** |
| Palolo | 0 | 0 | 0 | **0** | **15** |

**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 | 11.08 | 5 | 0 | 8 |
| Kaelepulu | 21.43 | 2 | 0 | 6 |
| Kahawai | 11.08 | 2 | 0 | 3 |
| Kaneohe | 24.54 | 5 | 0 | 13 |
| Kawa | 9.50 | 3 | 0 | 5 |
| Kawainui | 43.54 | 5 | 0 | 13 |
| Keaahala | 11.09 | 5 | 0 | 8 |
| Puu Hawaiiloa | 4.75 | 3 | 0 | 5 |
| Waimanalo | 1.58 | 2 | 0 | 3 |
| **Total** | **138.59** | **32** | **0** | **64** |

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Acres Surveyed** | **# of surveys** | **# of frogs detected** | **# of frogs captured** | **Work Hours** |
| Waimanalo | 6.79 | 2 | 0 | 0 | 6 |
| **Total** | **6.79** | **2** | **0** | **0** | **6** |

**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** |
| Halawa | 1.69 | 2 | N | 5 |
| Kahawai | 7.96 | 2 | N | 16 |
| Waimanalo | 17.21 | 43 | N | 50.64 |
| **Total** | **26.86** | **48** |  | **71.64** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Watersheds** | **Acres Surveyed** | **# of surveys** | **Thrips detected (y/n)** | **Work Hours** |
| Halawa | 1.40 | 2 | N | 8 |
| Kamiloiki | 0.72 | 1 | N | 2 |
| Kamilonui | 0.72 | 1 | N | 2 |
| Koko Crater | 3.61 | 5 | N | 10 |
| Makapuu | 0.72 | 1 | N | 2 |
| **Total** | **7.17** | **10** |  | **24** |

**Outreach**

OISC participated in 10 outreach activites, reaching and audience of over 450. OISC staff distributed the ISC report to legistlators, participated in Agricultural Awareness Day, and presented at Hauoli Mau Loa. OISC staff’s Earth Day events locations included Pearl Harbor, Manoa Public Library, and the Navy Exchange. Outreach staff conducted the monthly volunteer trip to Lyon Arboretum and provided an update to Mānoa Neighboorhood Board about coconut rhinoceros beetle.

**Monthly Volunteer Trip**

The volunteer trip to Lyon Arboretum this month surveyed and controlled 0 mature and 1033 immature *Ardisia virens* and 14 mature and 70 immature *Stromanthe tonckat*.

**OISC Volunteer Trip Control Results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Date** | ***Ardisia virens*** | ***Stromanthe tonckat*** | **Acres Surveyed** | **Volunteer Hours** | **Work Hours** |
| April 25 | 1033 | 84 | 8.6 | 78 | 8 |

**Other**

* FY15 Funding: Secured = $1.28 million; expected need: ~$1.4 million
* Meetings: LFA Oahu planning and outreach meeting
* New Hires: Rachel Neville was hired as the “new” OISC Manager. Her projected start date is June 1.
* Baseyard: Field crew 2 days; YCA treatment is schedule for next month (6 week treatment schedule).