

MoMISC Meeting Agenda
August 19, 2013; 10:00-12:00 pm; TNC Molokai Office
Recorder: Ed Misaki

I. Call to Order/Introductions – Chair Wailana Moses

II. Molokai Updates – Kamalani, Wai

A. Target species Update – Kamalani (see attached maps)

1. Bo Tree-4 surveys, 13 removed
 - Ed talked to David Rolph who is related but does not know the owner. Dave will talk to an Auntie who has a good relationship with the owner.
 - Bill has proposed an alternate to have a TNC Board talk to the owner.
 - Also recommends doing aerial survey using Infrared technology
2. Gooseberry-1 survey, 28 removed
3. Woodrose- 1 survey, 29 removed
4. Palmgrass-1 survey 1 removed
5. Rosa, 1 survey-7 removed
6. Cat's Claw -1 survey, 151 removed
7. Mulesfoot-3 surveys, 14 removed
8. Rubbervine-1 survey, 3 removed
9. Naio Thrip-1 survey, no detections
10. Gorse-2 surveys, no detections
11. Tumbleweed-2 surveys, 569 removed
12. Pampas grass-2 surveys, no detection
13. BBT-2 surveys, 62 treated
 - Bill has reported the CPR lab has been re-opened for microscopic detection of the virus. Bill will send testing protocols – can be found on UH website.
14. Coqui/fireants-1 survey, 67 plants inspected
 - Teya will be proposing to County Council to make it an ordinance to treat all in coming plants to Maui County.
 - Lance mentioned hot water treatment effective and probably inexpensive. Paul and Josh will look into a system and possible funding for Kaunakakai Wharf.
15. Fireweed-12 surveys, 101 removed
 - Group purchase of contaminated (fireweed) hay bales from Maui has caused the recent invasion on multiple ranches.

B. DOFAW Forest Surveys – Wai

1. Mulesfoot fern and Black Wattle removal with DOFAW Maui/ MoMISC and TNC staff
 - Project began with Wai and Glenn Shishido and was originally called, “Buffer” project. Original intent was to remove key invasives that was in the boundary area between the Forest Reserve and Kamakou Preserve boundary. Lance is now providing resources that has expanded the project throughout the Forest Reserve, removing key invasive species.

C. Chevy's email and flyer (see attached) – Coffee Borer

III. Maui Nui/Statewide Updates – Teya, Lori

A. Miconia and Pampas funds have dried up for MISC

1. Funding
 - USFS funds significantly diminished
 - State – DOFAW General, and HISC funds
 - Special Lands Development funds – can no longer transfer to Wildlife due to absence of “authority”.
 - OED, DWS hoping to get current level of funding

- Legislator approved funding of ISCs.
- WPPG – propose for Miconia helicopter survey.
- 2. CGAPS
 - draft plant health emergency response plan
 - HCA – Biosecurity Leadership summit -do one on interisland pest movement?
- 3. DOFAW is currently developing an Invasive Species list to add to the current statutes to give the law some “teeth” to allow DOFAW to access private lands to eradicate.
- 4. Currently have a proposal with State Roads
 - Does MoMISC want to do road survey for top target weeds.
 - Has to be done on State Roads.
 - Would be done by Forest and Kim.

IV. Old Business – (ran out of time)

VI. New Business, Committee Members Concerns or Other Activities:

- A. New targets: Peacock (next meeting)
- B. *Atriplex lentiformis* – quail bush
 1. Potential new MoMISC target – quail bush.
 2. Only known naturalized population in Hawaii.
 3. Was detected in 2005. Main population along highway across from Olo olo street. Kawela, Tri-L, Kamiloloa/Hotel Molokai, Kamalo bridge.
 4. Wallace made motion to explore adding quail bush as a MoMISC target, Bill Garnett second, Rest of committee consensus.
 - Conduct initial survey
 - Best removal method
 - ID/contact landowners and see support level
 - Develop timetable
 - Recruit resources to begin removal
- C. Need for an Ag Inspector - Lori will relook at the 2006 draft proposal and revised. Will send an updated draft for approval by committee members. Glenn suggested have it introduced by our legislators.

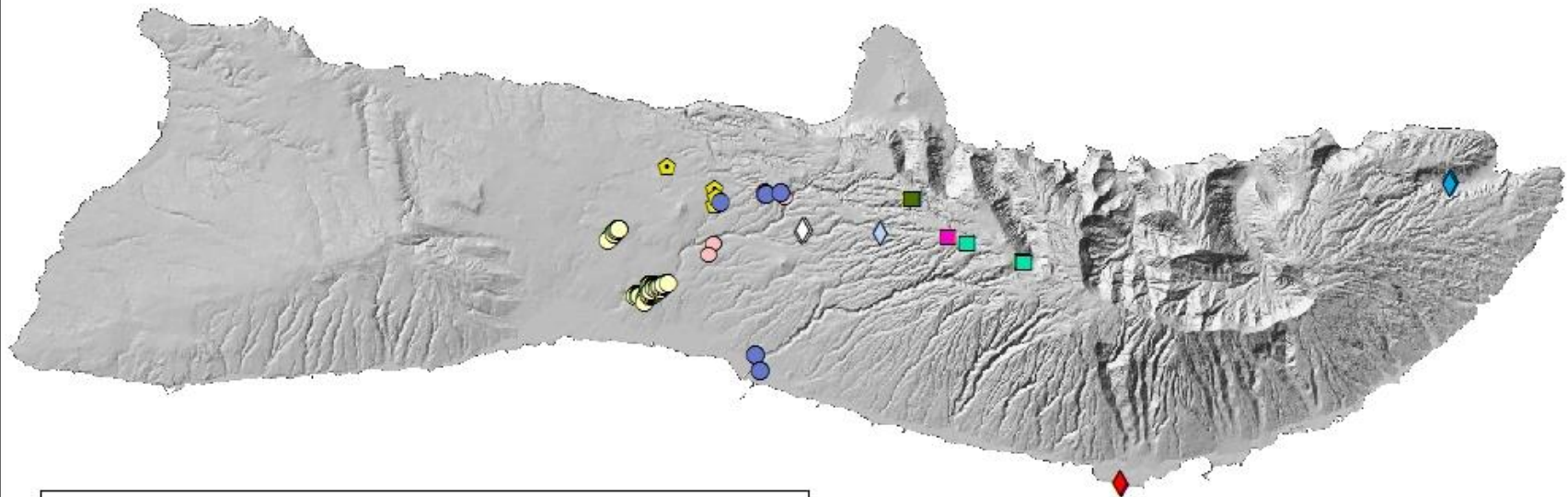
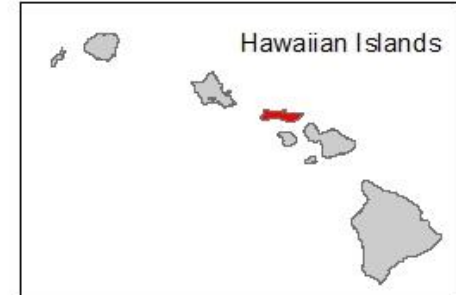
V. Next Meeting Date: November (day tbd), 2013, 10 am – Noon, TNC Conference Room.

August 19, 2013 MoMISC–Lori Buchanan, Kamalani Pali; **MISC**–Teya Penniman; **Molokai Land Trust**–Butch Haase; **DoFAW**–Lance DeSilva, Josh Atwood (Invasive Species Coord – Honolulu Office); ; **Maui County**–Ella Alcon; **KNHPS**–Paul Hosten; **Molokai Dispatch**–Catherine Cluett; **Wiliwili Hawaiian Plants**–Bill Garnett; **Plant Material Center**–Kawiika Duvauchelle; **Kuhao Center County OED**–Jennifer Hawkins; **UH Extension Service CTHAR**–Glenn Teves; **NRCS**–Wallace Jennings; **TNC**–Wailana Moses, Russell Kallstrom, Ed Misaki; **USDA PHSS Molokai Office**–Chevalier Levasa (by email);

Past Attendees: **MoMISC**–Lori Buchanan, Kamalani Pali, Justin Avelino; **MISC**–Teya Penniman; **DOAR**–Bill Puleloa, Cecile Walsh; **USDA PHSS Molokai Office**–Chevalier Levasa; **Plant Material Center**–Bob Joy, Glenn Sakamoto; **NRCS**–Wallace Jennings, Jessica Ludgate, Mike Brady, Mila Apisa (Samoa); **Mycogen Biologist**–Donald Maum; **Monsanto**–Ray Foster; **DoFAW**–Glenn Shishido, John Neizman, Rob Hauff; Josh Atwood (Invasive Species Coord – Honolulu Office); **DLNR**–Mindy Wilkinson; **CGAPS**–Christy Martin; **USFWS**–Karl Buermeyer, Jeff Herod; **NPS**–Guy Hughes (KALA), Steven Anderson (HALE) Jesse Rogers, Tavita Togia (Ecologist, Samoa); Paul Hosten; **HDOA**–Bob Yonahara (Maui), Danielle Downey/Jackie Robson (Bee Mite/Small Hive Beetle); **UH Extension Service**–Kali Arce, Alton Arakakai, Jennifer Hawkins; **MLSWCD**–Debbie Kelly, Charity Dudoit; **Maui County**–Ella Alcon (County Council Liaison), Kuhea Paracuelles; **Contract Hunting**–Joey Joao; **DOT**–Carl Brito (Molokai Airports); **QLCC**–Kathy Davis; **Puu O Hoku Ranch**–Fred Richardson, Kathy Coelho, Kristian Coelho; **Molokai Land Trust**–Butch Haase, Clayton English; **Wiliwili Hawaiian Plants**–Bill Garnett; **Molokai Times**–Carolyn Girard, Dayanti Karunaratne, Catherine Cluett; **MoPEP**–Ane Bakutis; **East Slope**–Steph Dunbar-Co; **TNC**–Ed Misaki, Russell Kallstrom, Wailana Moses

MoMISC Species Treatment Activity

May 13, 2013 - August 19, 2013



Legend

- | | |
|-------------------------|------------------|
| Banana bunchy top virus | Multifloral rose |
| Barbados gooseberry | Palm grass |
| Bo tree | Rubber vine |
| Cat's claw | Tumbleweed |
| Fireweed | Wood rose |
| Mules foot fern | |

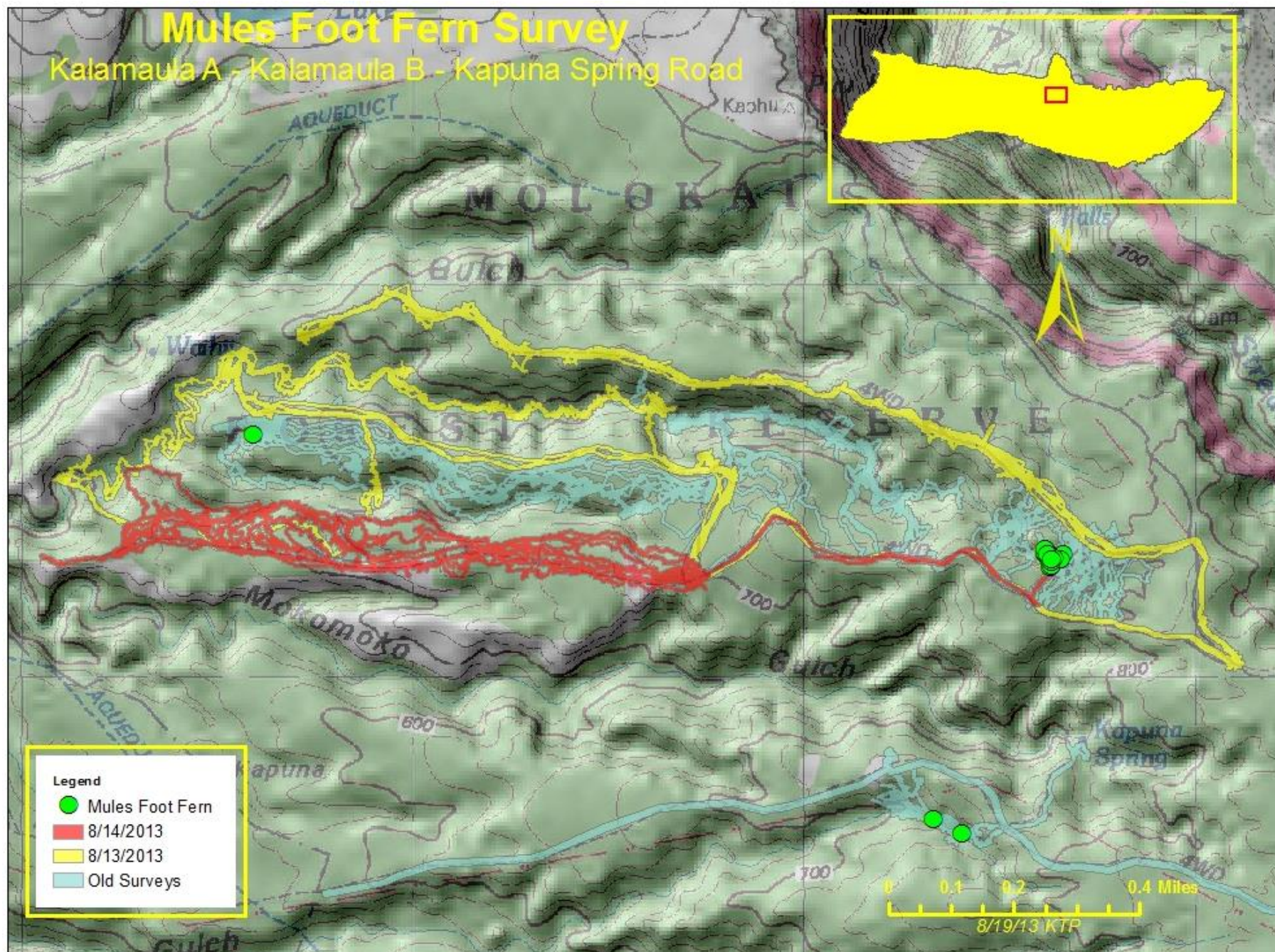


0 1.75 3.5 7 Miles

Molokai Invasive Species Committee
Projection: NAD83 UTM Zone 4N meters
08/6/2013 KTP MoMISC_MTG.mxd

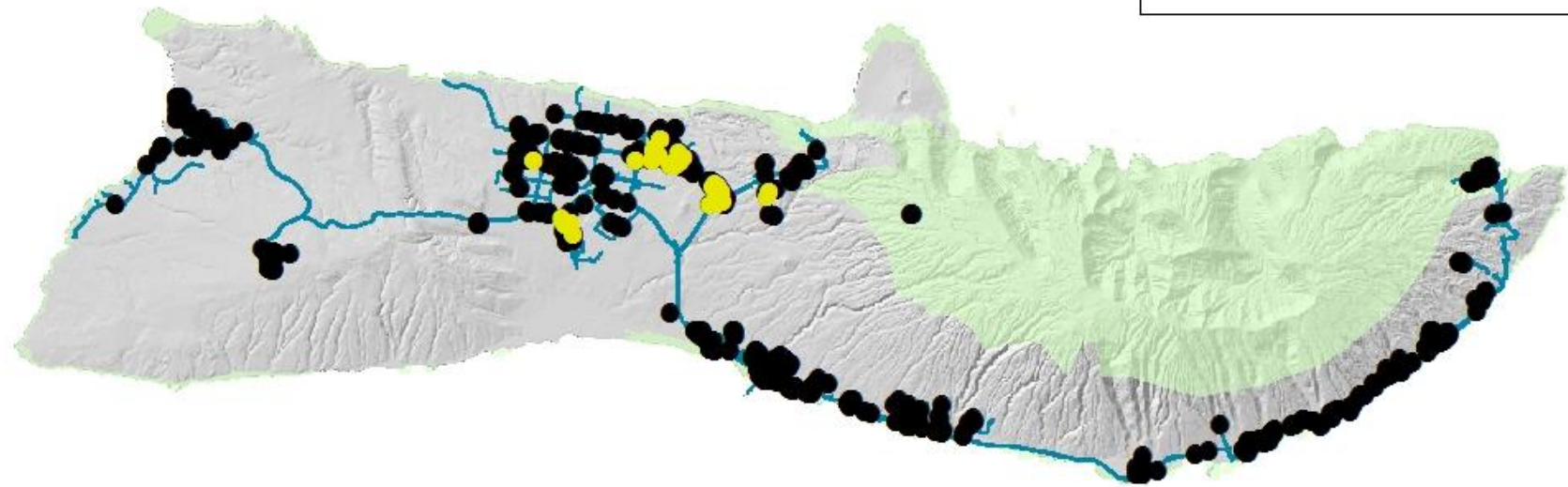
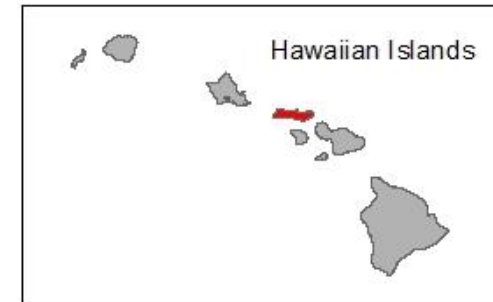
Mules Foot Fern Survey

Kalamaula A - Kalamaula B - Kapuna Spring Road



Molokai Banana Bunchy Top Virus Survey and Treatment

June 2, 2005 - August 1, 2013



BBTV Treatment Points

- BBTV
- Other Survey Sites

- BBTV Surveys
- Conservation Lands

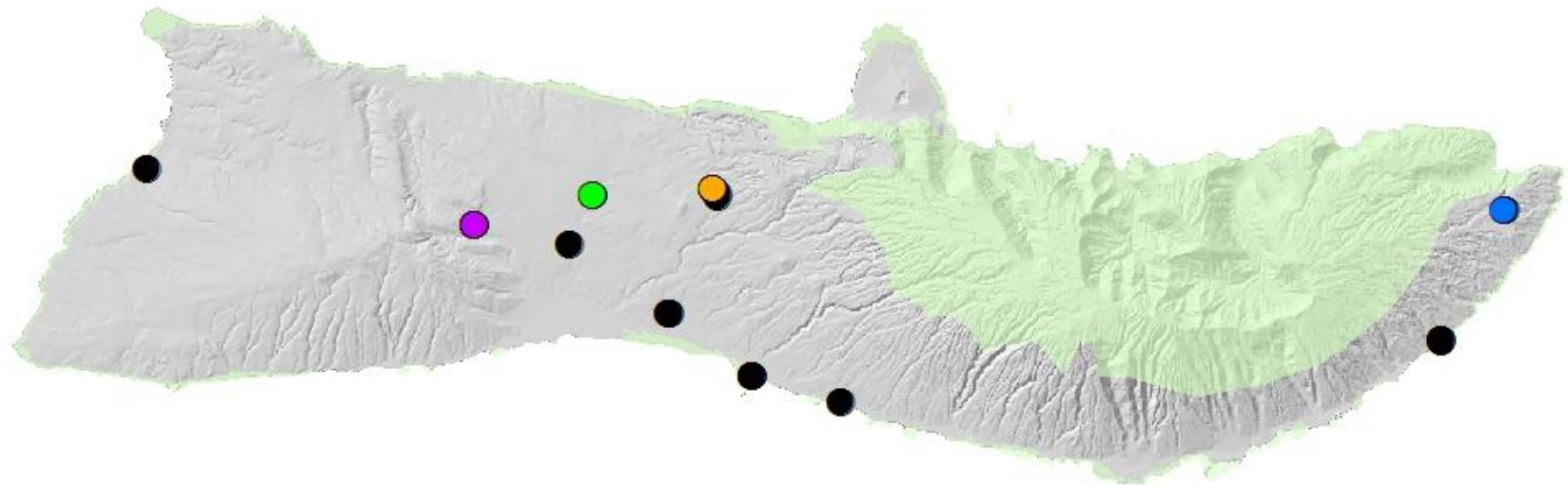
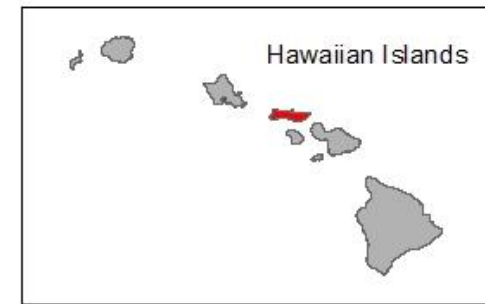


0 1.75 3.5 7 Miles

Molokai Invasive Species Committee
Projection: NAD83 UTM Zone 4N meters
8/8/2013 KTP MoMISC_SenMad_Molokai.mxd

Molokai Coqui Frog Survey and Treatment

September 8, 2001 - July 29, 2013



Coqui Treatment Points

- | | |
|-------------|----------------------|
| ● 9/8/2001 | ● 9/12/2011 |
| ● 6/28/2007 | ● 11/19/2012 |
| ● 3/29/2010 | ● Other Survey Sites |

Conservation Lands

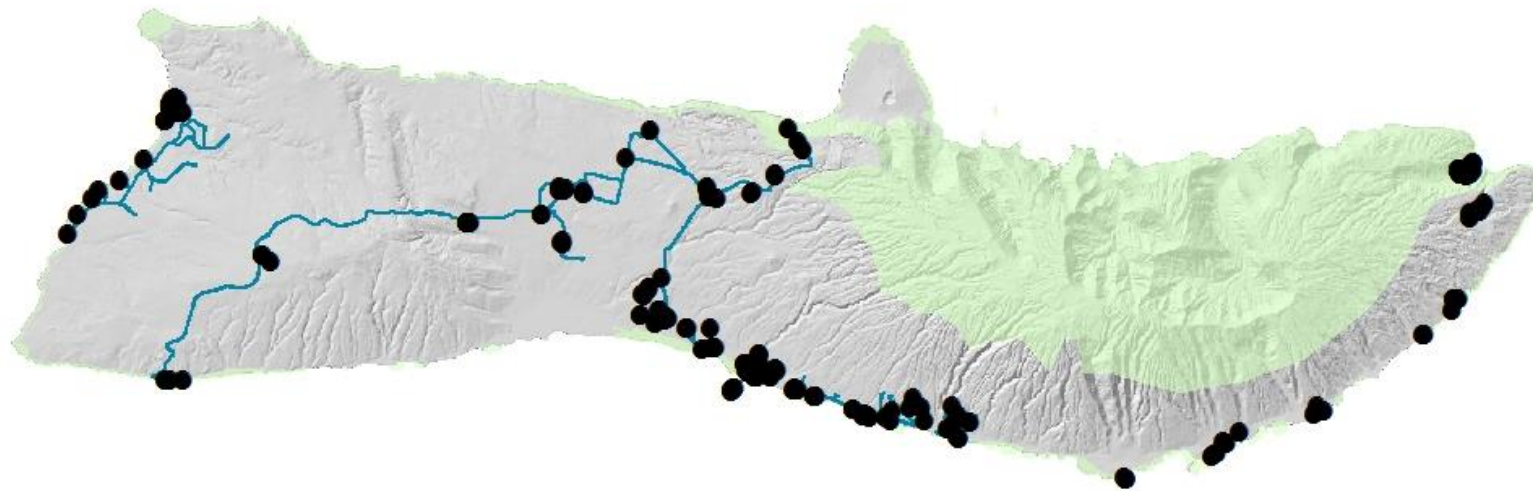
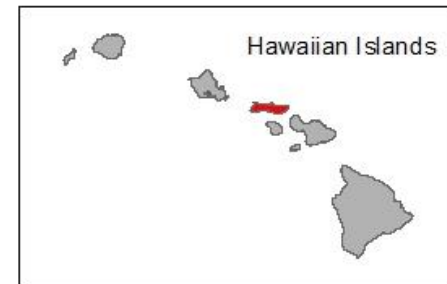


0 1.75 3.5 7 Miles

Molokai Invasive Species Committee
Projection: NAD83 UTM Zone 4N meters
8/8/2013 KTP MoMISC_SenMad_Molokai.mxd

Molokai Little Fire Ant Surveys

April 2, 2010 - July 29, 2013



BBTV Treatment Points

● Survey Sites

LFA Surveys

Conservation Lands

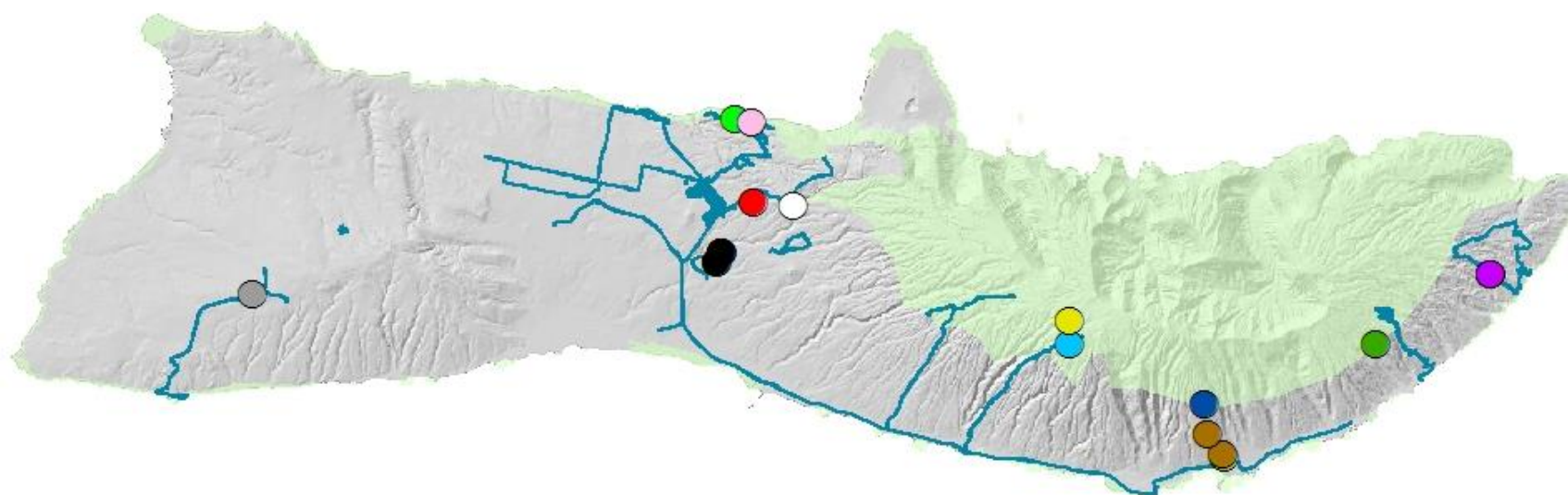
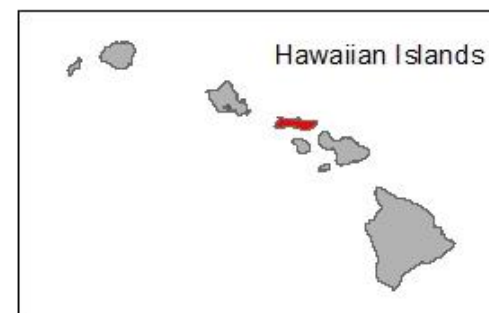


0 1.75 3.5 7 Miles

Molokai Invasive Species Committee
Projection: NAD83 UTM Zone 4N meters
8/8/2013 KTP MoMISC_SenMad_Molokai.mxd

Molokai Fireweed Populations

January 25, 2010 - May 22, 2013



Legend

| | | |
|-------------|-------------|-------------|
| ● 1/25/2010 | ● 2/15/2011 | ● 6/18/2012 |
| ● 5/10/2010 | ● 5/23/2011 | ● 9/8/2012 |
| ● 5/12/2010 | ● 9/19/2011 | ● 4/2/2013 |
| ● 5/14/2010 | ● 4/7/2012 | ● 5/17/2013 |
| ● 9/2/2010 | ● 4/11/2012 | ○ 5/22/2013 |

Fireweed Surveys
Conservation Lands



0 1.75 3.5 7 Miles

Molokai Invasive Species Committee
Projection: NAD83 UTM Zone 4N meters
5/22/2013 KTP MoMISC: SeaMap Molokai.mxd









Lori and Senator Gabbart at a potential new MoMISC target, *Atriplex lentiformis* or quail bush.

Chevy's email:

Aloha,

I will be in Oahu for the next MoMisc Meeting, August 19, 2013. Even though I am not attending, I would like to make this contribution.

On Tuesday, July 9, 2013 there was a Coffee Berry Borer workshop here on Molokai, at Coffee's of Hawaii. The workshop was sponsored by UH-CTAHR, Local and Immigrant Farmer Education (LIFE), Risk Management Hawaii (RMH) who have partnered up with HDOA to conduct informational workshops about CBB.

Molokai is currently CBB free, and with the information gained at the workshop, I will be working closely with Maria Holmes of Coffee's (since we have no HDOA on island), to place preventative procedures in their SOP's so, that if and when, CBB shows up, hopefully we will be able to contain and possibly eradicate it.

As an Example of the new SOP's...Coffee's has now implemented having their harvester go to a set location to be thoroughly cleaned after harvesting one field and before going into another field. They will also be taking random bean samples from different farm locations once a month that I will submit to the USDA identifiers in Oahu. The beans are in a vial, that have a label that gives GPS coordinates, Field Location, Date etc. If CBB shows up in one of the samples, then we will be able to quickly pinpoint the location and implement the CBB protocol.

I have contacted the USDA identifiers in Oahu ahead of time and made them aware of our goals, and what we are trying to achieve here on Molokai, the first sample will go out this month. Have a good meeting and A Hui Hou ☺

Mahalo,

Chevalier "Chevy" Levasa

Plant Health Safeguarding Specialist