

Ginger Control in the East Maui Watershed

{ Prioritization and Experiences

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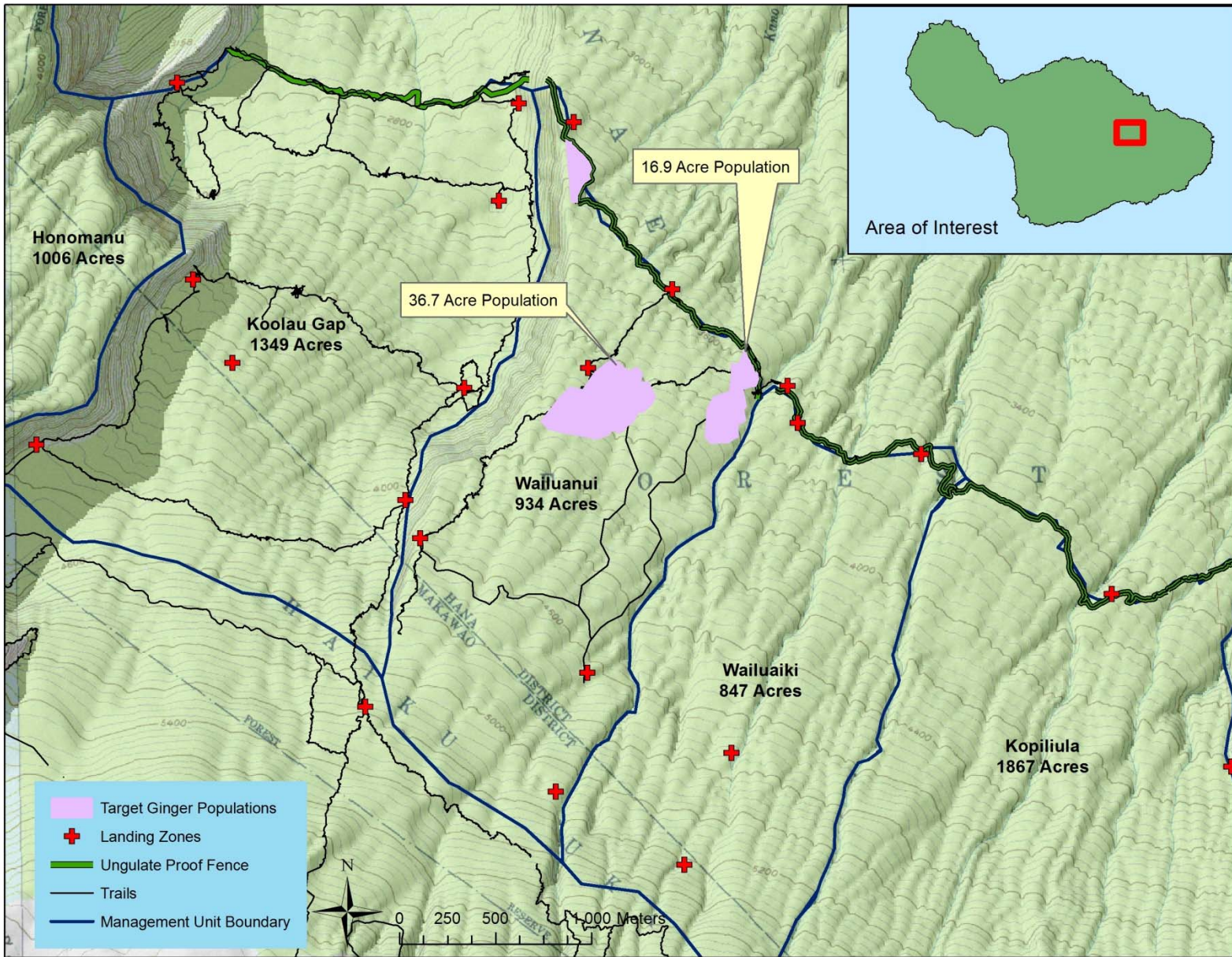


- Eliminate mature *Hedychium gardnerianum* in Wailuanui, a very pristine and diverse ecosystem of the East Maui Watershed.
- Preventing seed rain and dispersal deeper into the heart of the watershed.

Project Objectives

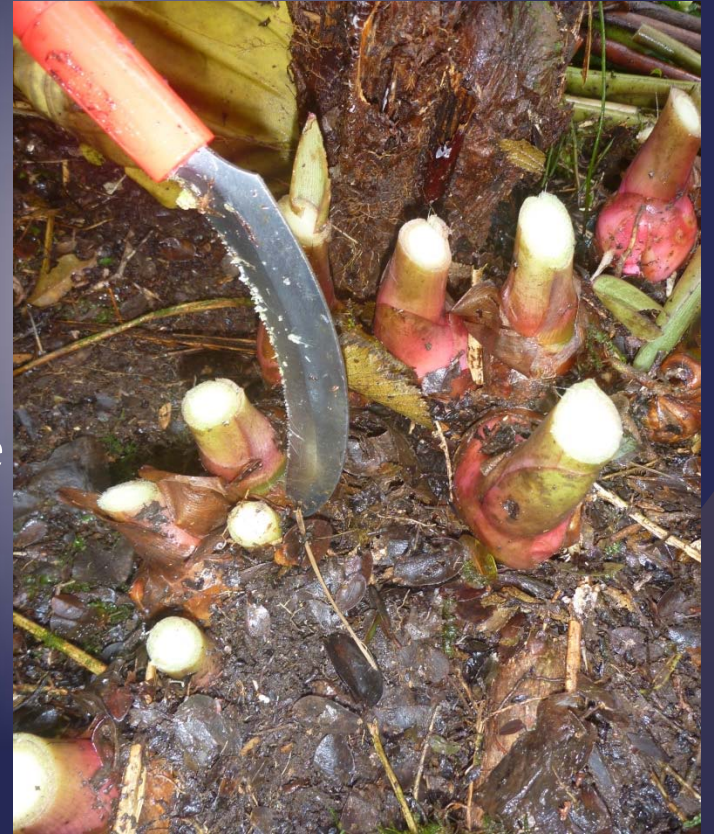


Weed Problem



Weed Problem

- ⌘ First discovered in 2007 on our western trail
- ⌘ Re Scout in 2013 to determine extent of infestation and create more accurate polygon with additional buffer.
- ⌘ Establish home base with catchment and herbicide staging near population
- ⌘ Work from outside outliers to the core of the infestation by systematic and simultaneous sweep.
- ⌘ Attention to detail with treatment method proper tools and technique
- ⌘ Treat population every other year



Strategy and Approach



- ⌘ Wailuanui is helicopter access only with an average turn around of 15min weather depending.
- ⌘ Base camp is about an hour hike to the infestation

Resources and Logistics



⌘ Sweep and treat the entire infested area

Expected 2015 Outcomes

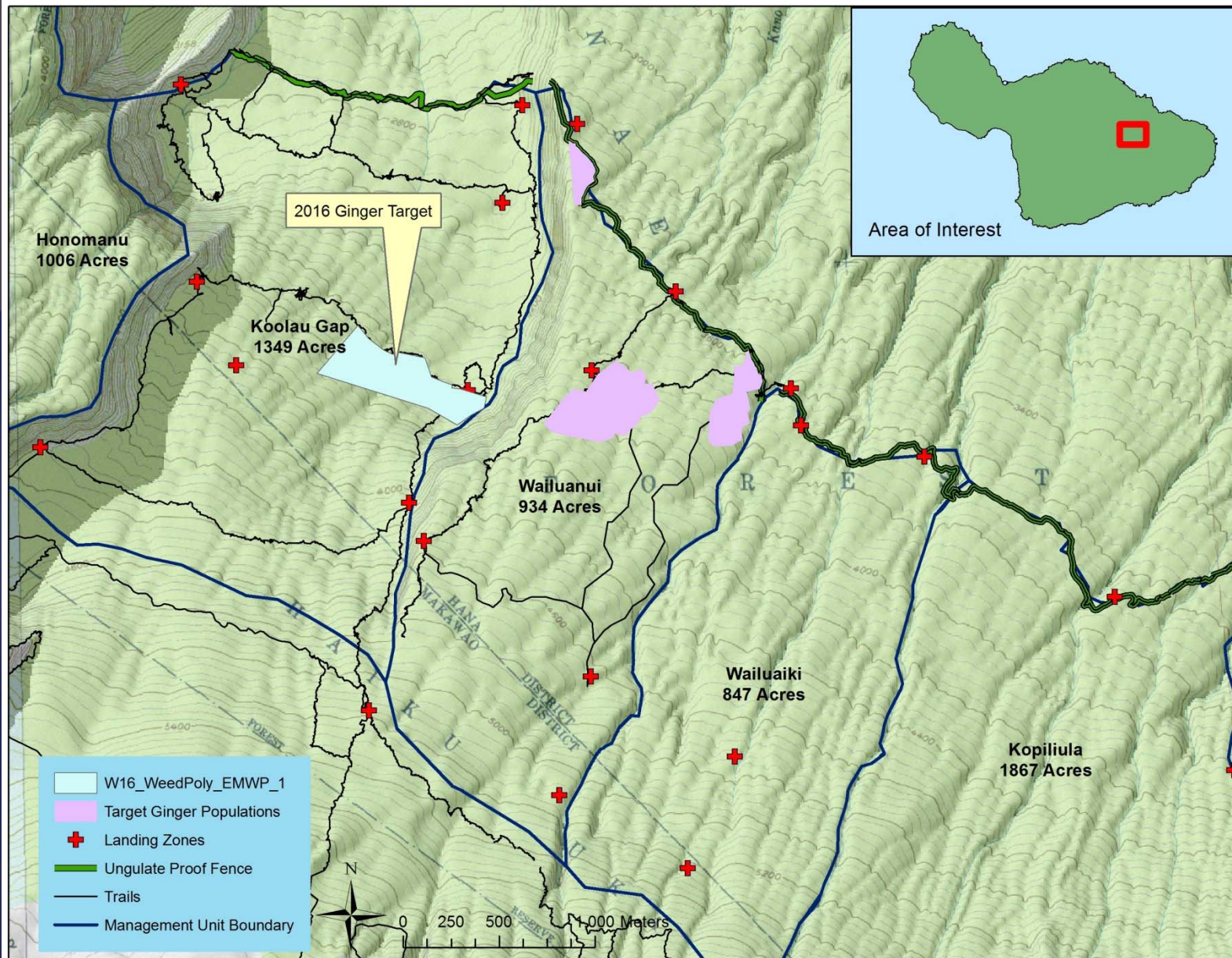
- ⌘ Remote wet forest
- ⌘ Dense canopy makes aerial detection impossible
- ⌘ Treatment of all subterranean rhizomes and seedlings
- ⌘ Non target impacts from treatment, erosion, weed introductions from camp
- ⌘ Manual treatment of larger mature individuals near flowing streams.
- ⌘ Controlling epiphytic individuals



Current Challenges

- ⌘ Expand treatment area into the upper eastern portions of Koolau where the Wailuanui population is suspected to have originated.
- ⌘ Secure funding for retreatment intervals of 2-3 years based on life cycle to maturity
- ⌘ Have Dr. Leary control all epiphytic individuals

Future Goals



Future Goals



Maui County Department of Water
Supply
Windward Aviation
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National Fish and Wildlife Foundation

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