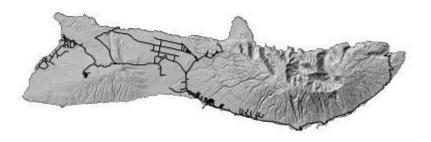
MAPS: MOLOKAI ROAD SURVEY AND EXPERT INTERVIEWS



2005



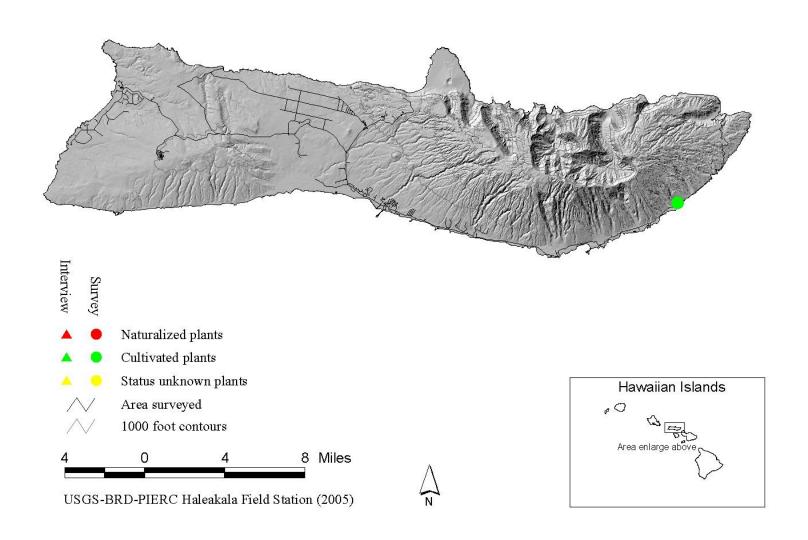
Prepared by:
Forest Starr, Kim Starr, and Lloyd Loope
USGS

MAPS MOLOKAI ROAD SURVEY AND EXPERT INTERVIEWS

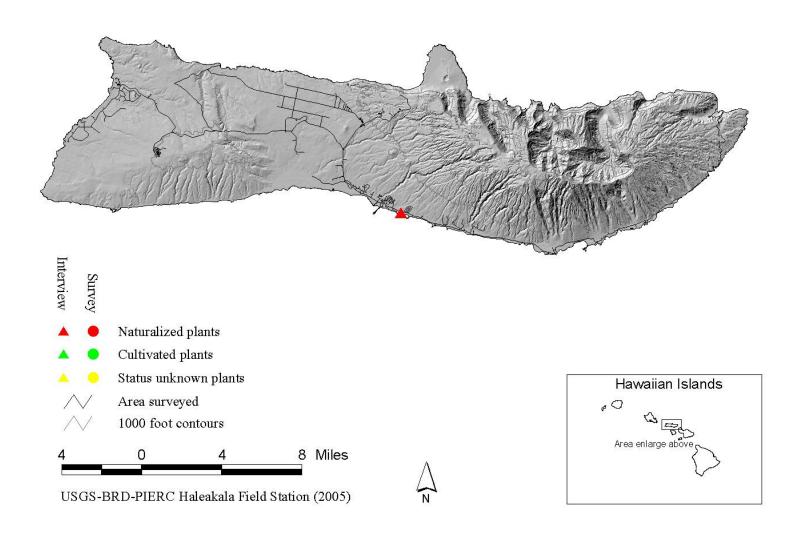
The following document includes maps of species found on Molokai during roadside surveys and expert interviews. To create island wide distribution maps for each target, we drove all the publicly accessible paved roads of Molokai at about 5-10 mph. When we came across one of our 126 target species, we recorded the location, naturalized status, and notes. We used a Garmin eTrex global positioning systems (GPS) unit to record locations. Maps were created using ArcView software. We further refined the maps by interviewing expert field botanists on Molokai, and adding any other location information we could find in the literature.

During this survey, we drove 142 miles of roads and found 986 locations for 41 species. Expert interviews, existing gps data, and literature searches added 291 locations for 10 species, of which 4 were not observed at all during road surveys. Some target species were found in limited distribution, while others were widespread. There were 85 target species which were not observed during our roadside survey. This document and more maps of these species can be found at www.hear.org/starr.

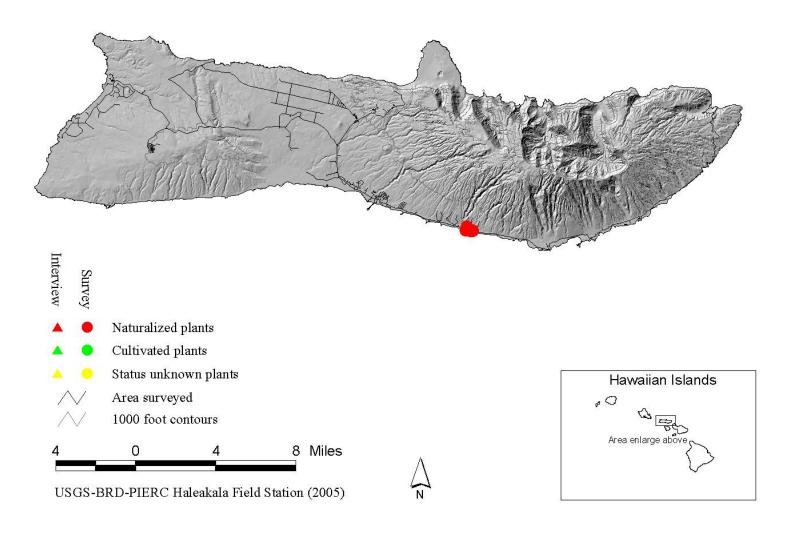
Known distribution on Molokai of *Archontophoenix* spp.



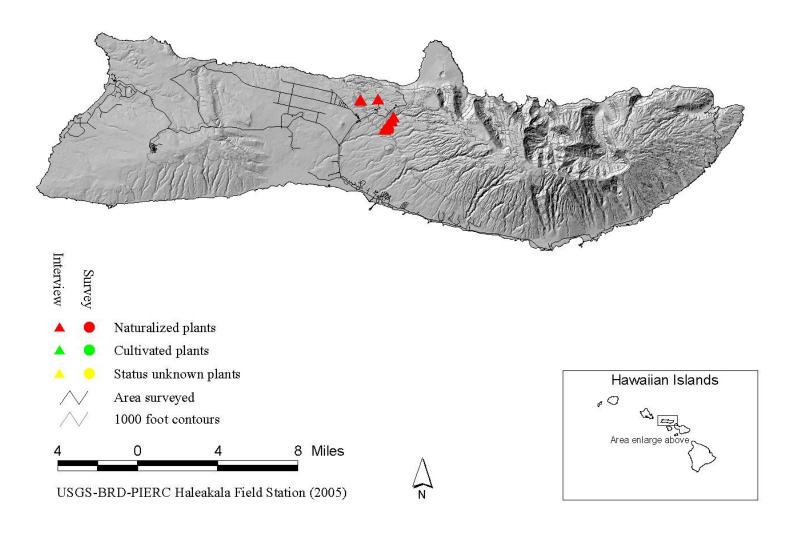
Arundo donax



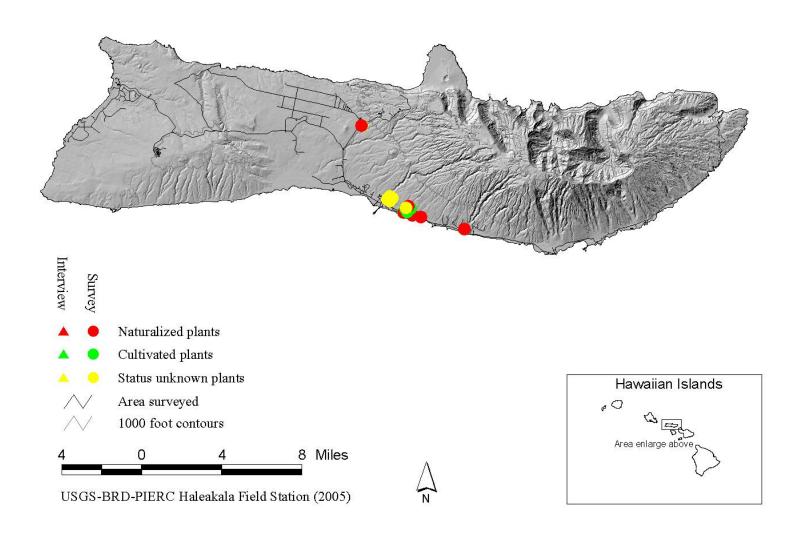
Bassia hyssopifolia



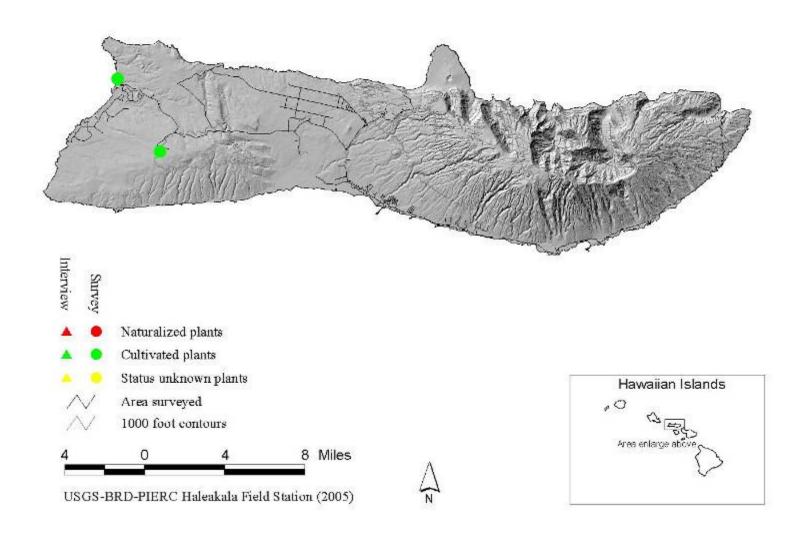
Caesalpinia decapetala



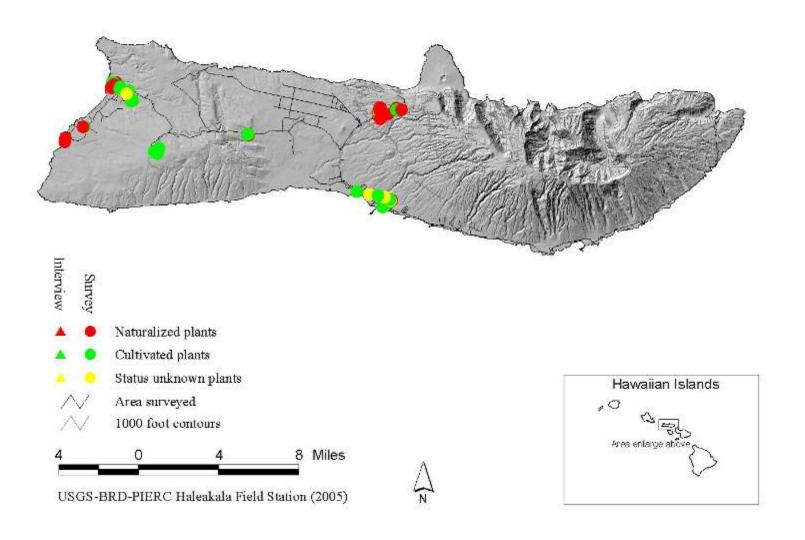
Carmona retusa



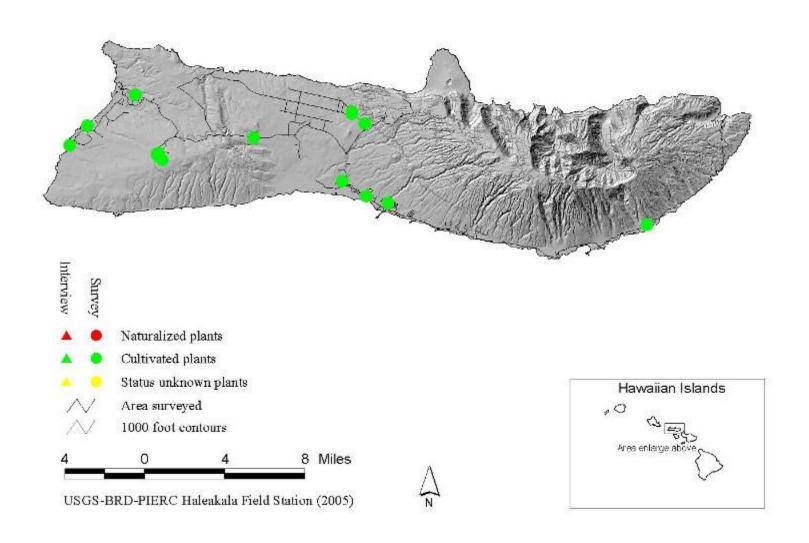
Cestrum nocturnum



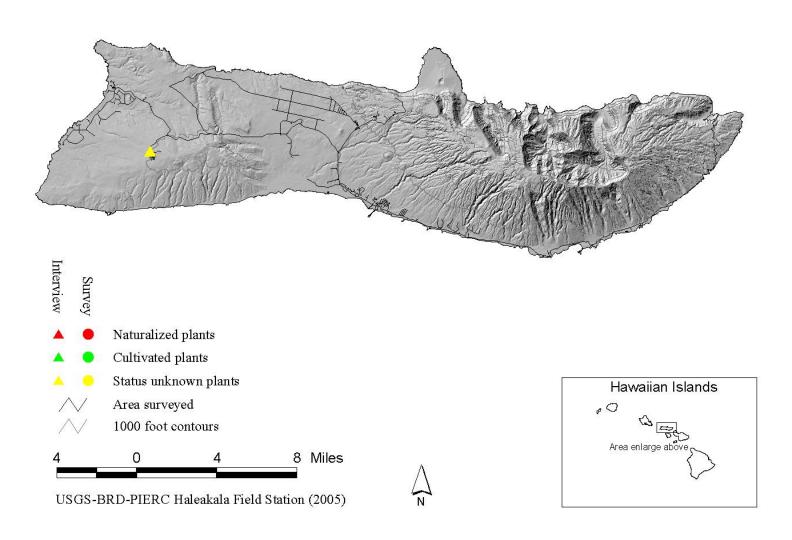
Citharexylum spinosum



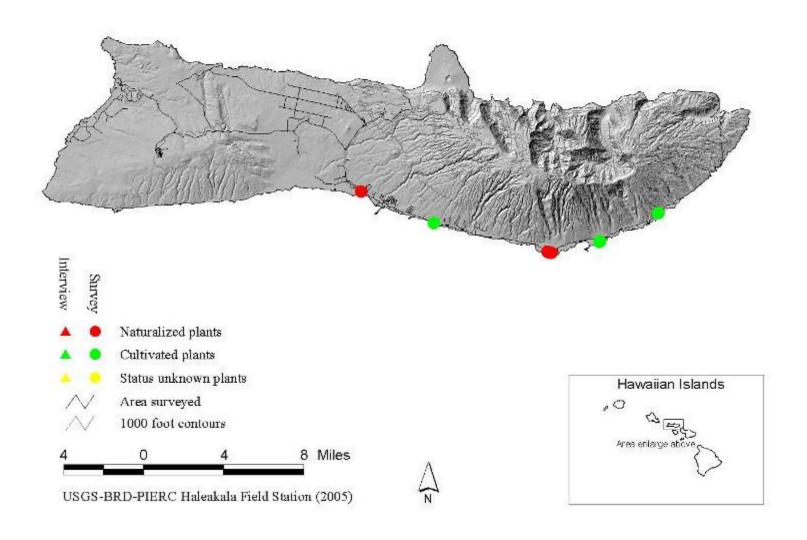
Clusia rosea



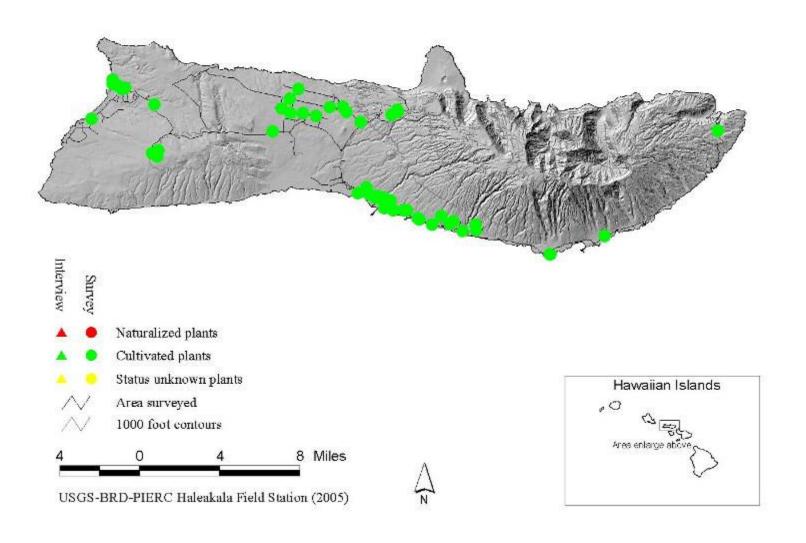
Cortaderiaspp.



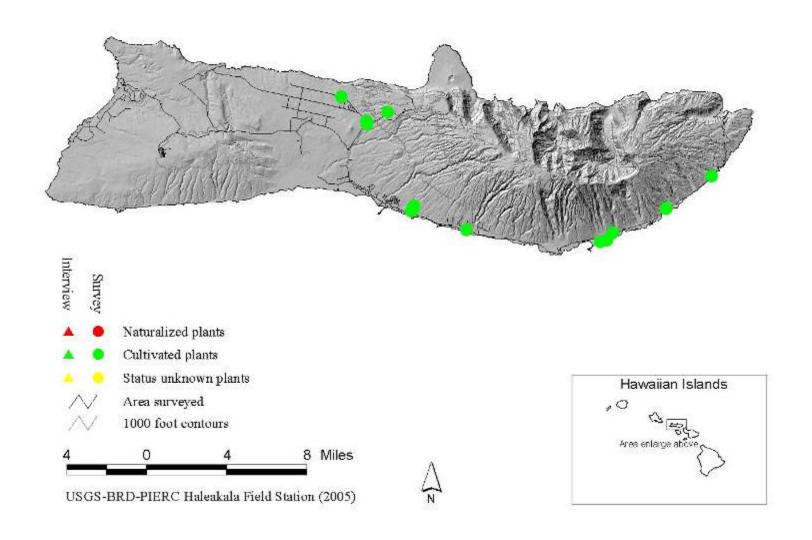
Cryptostegia spp.



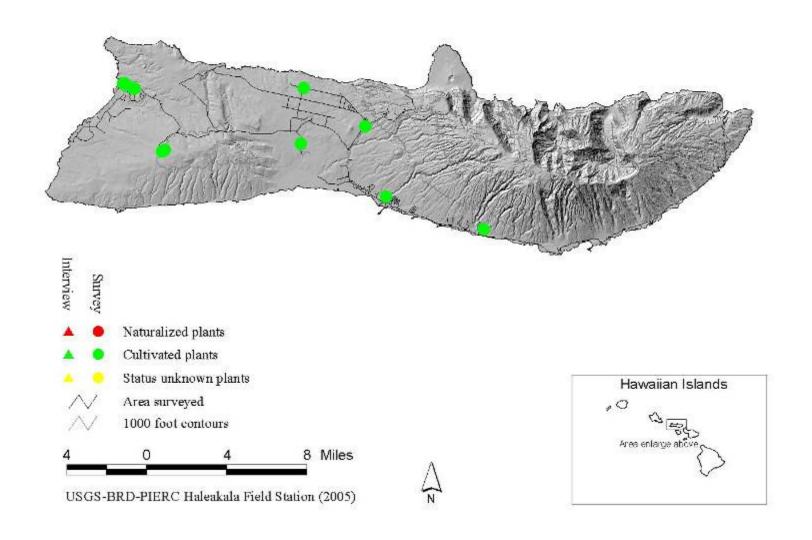
Ficus benjamina



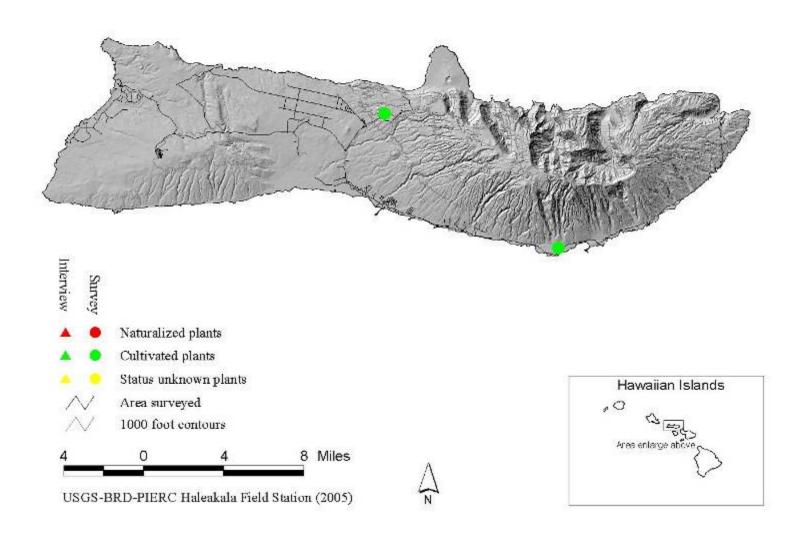
Ficus carica



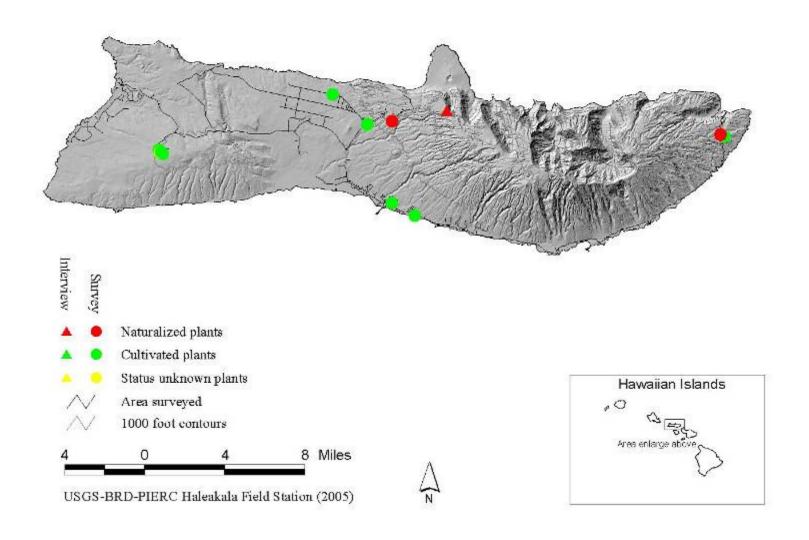
Ficus elastica



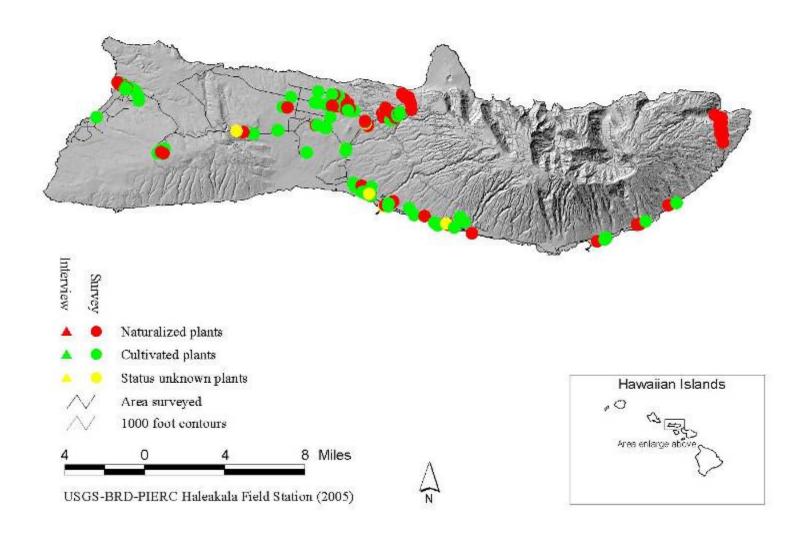
Ficus lyrata



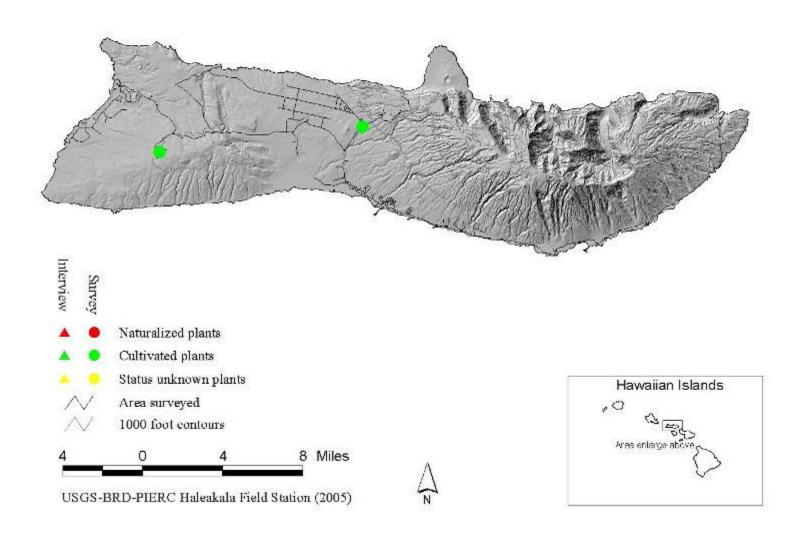
Ficus macrophylla



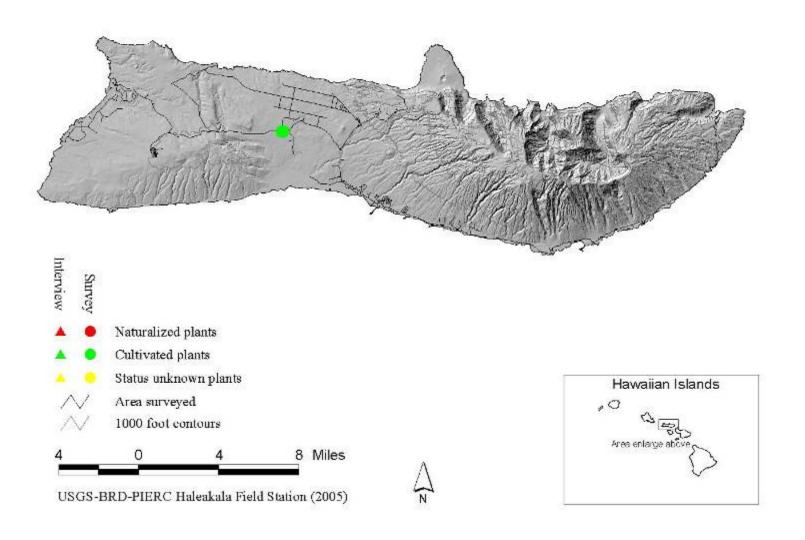
Ficus microcarpa



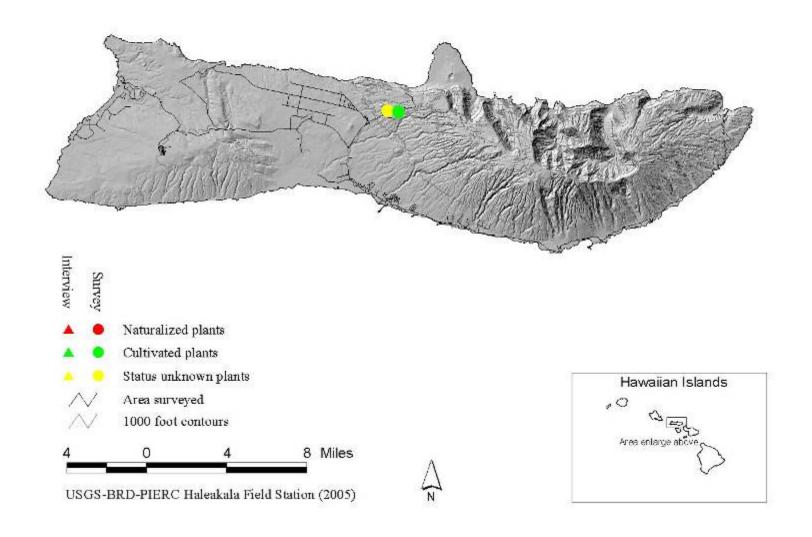
Ficus pumila



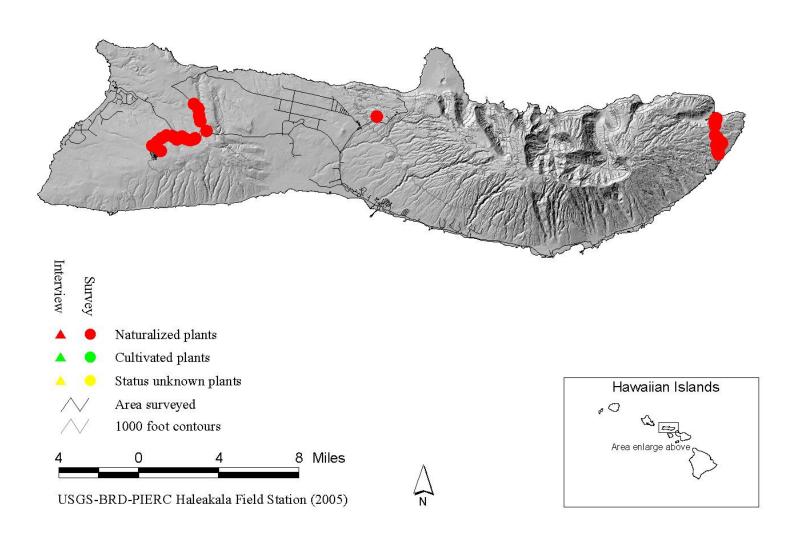
Ficus religiosa



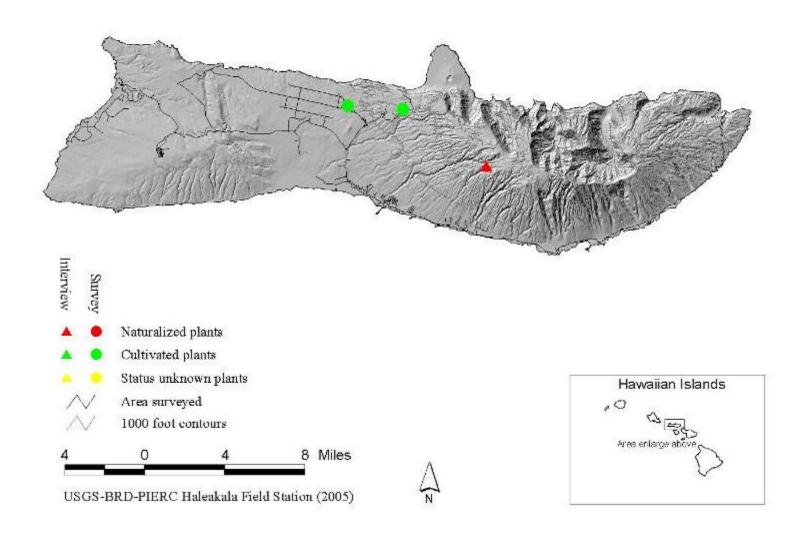
Hedychium gardnerianum



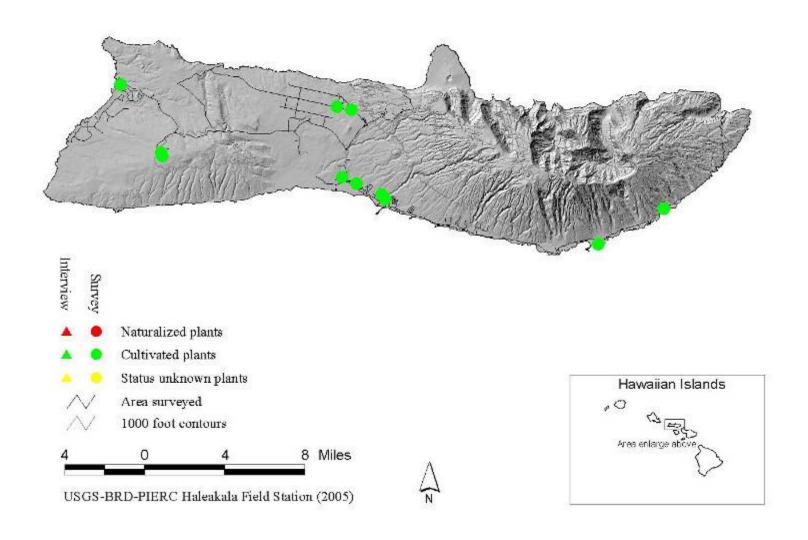
Known distribution on Molokai of *Hyparrhenia* spp.



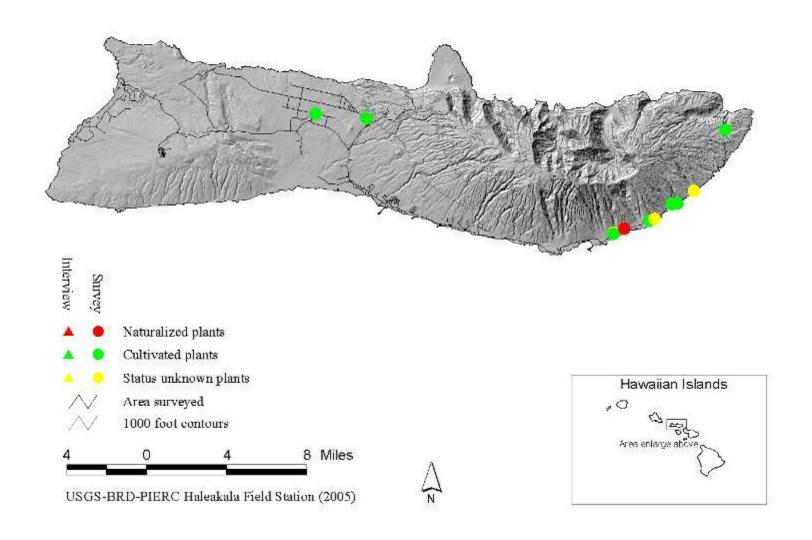
Leptospermum scoparium



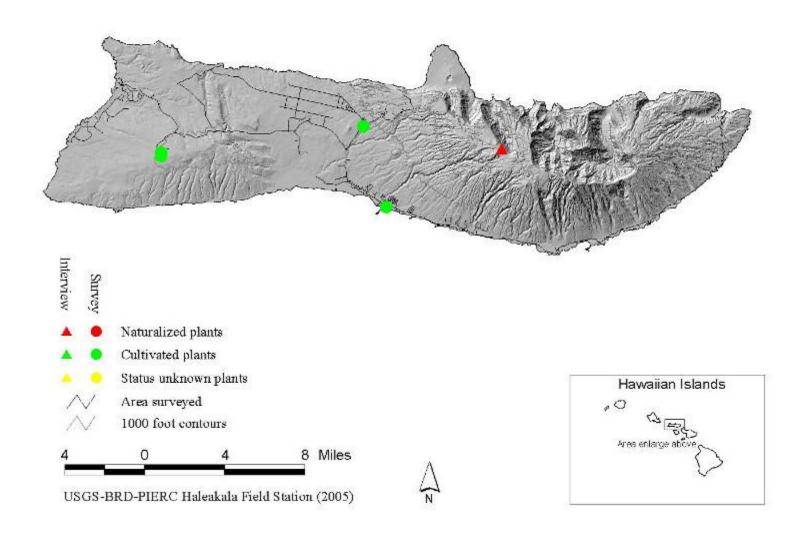
Ligustrum lucidum



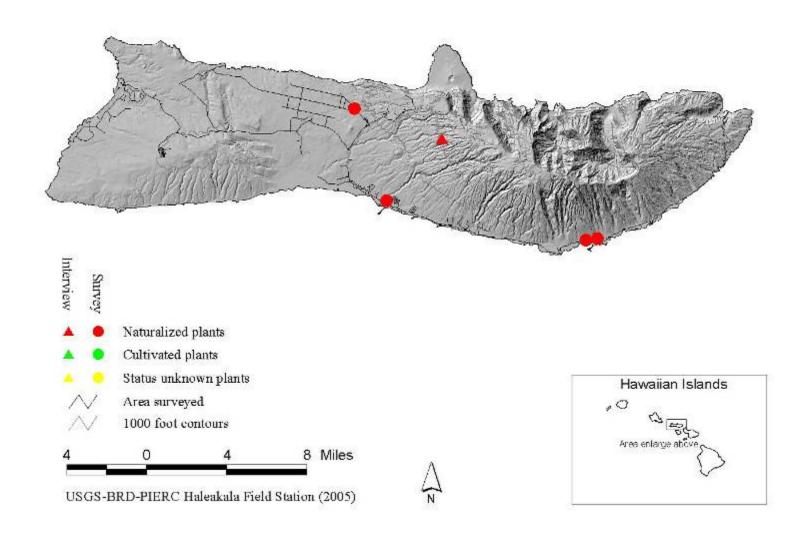
Livistona chinensis



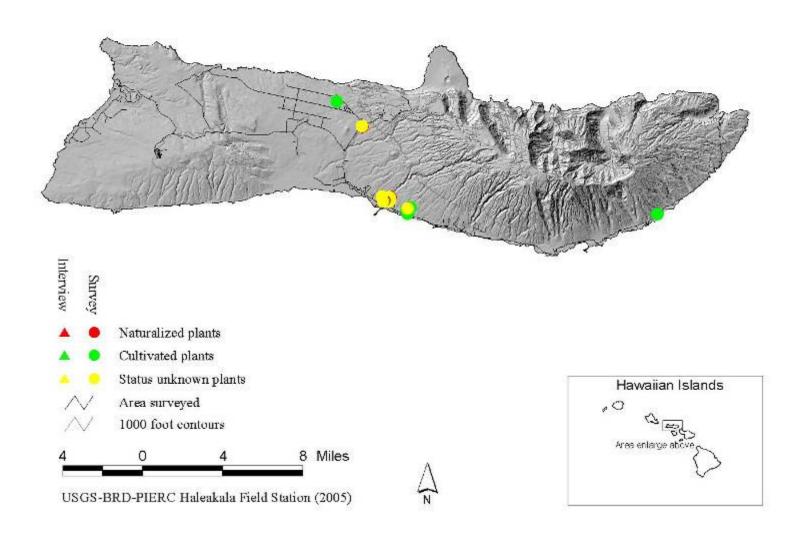
Lonicera japonica



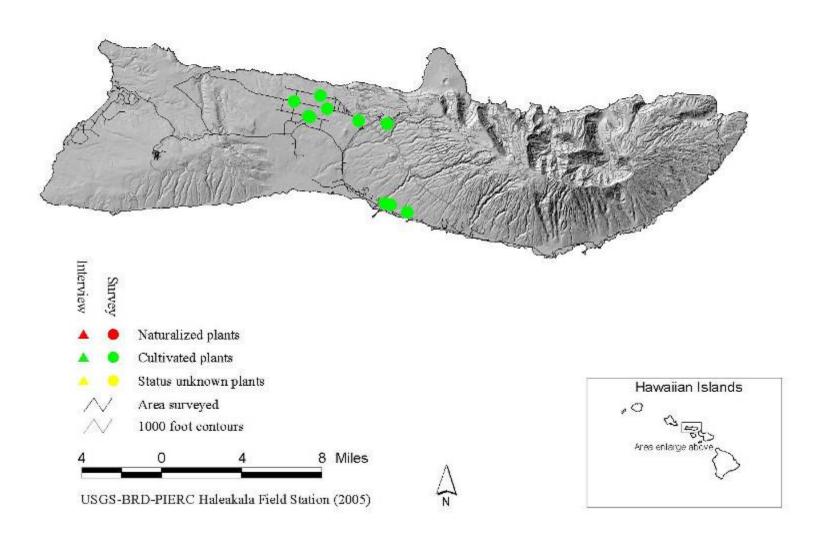
Merremia tuberosa



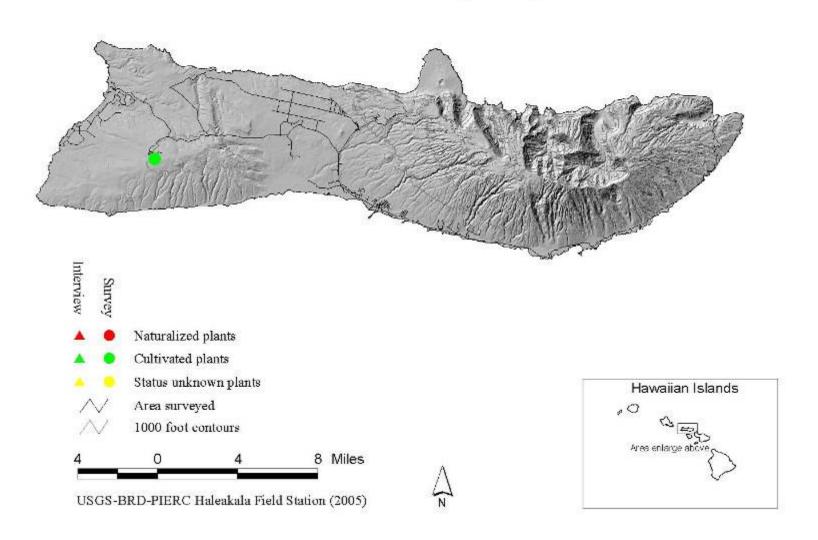
Known distribution on Molokai of Ochna spp.



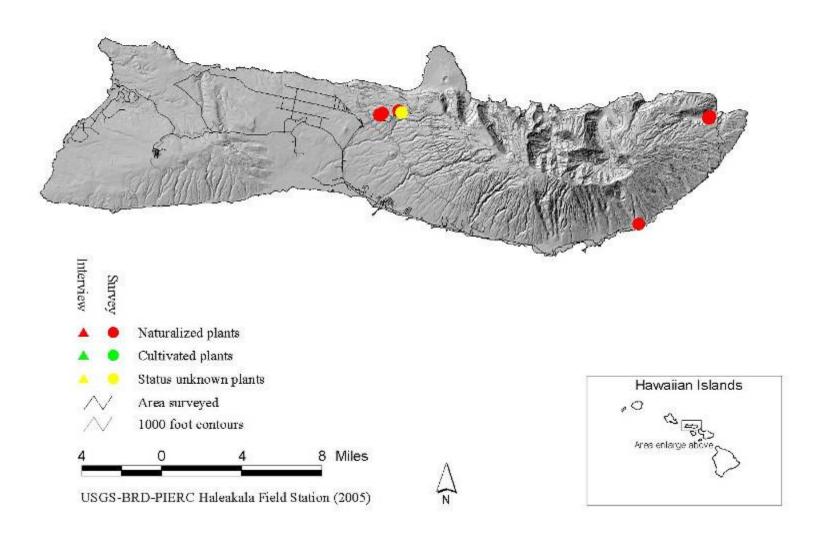
Known distribution on Molokai of Olea europaeasubsp. cuspidata



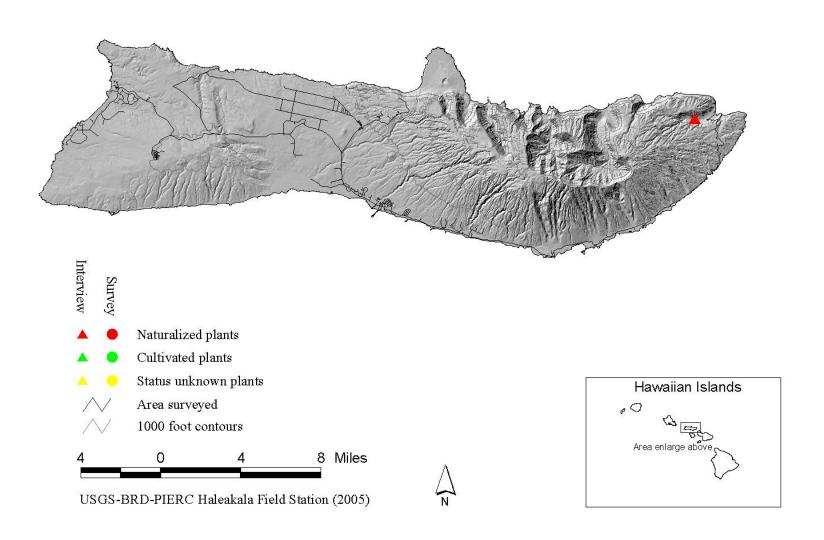
Known distribution on Molokai of Olea europaeasubsp. europaea



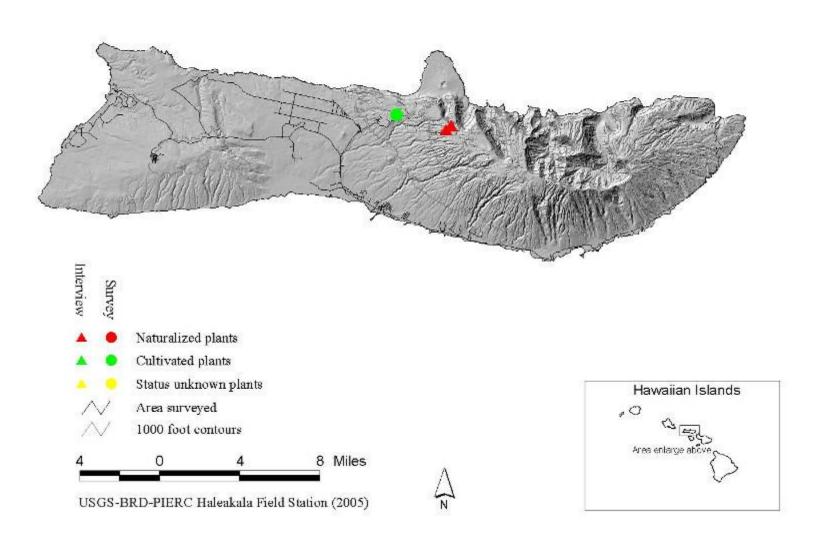
Passiflora laurifolia



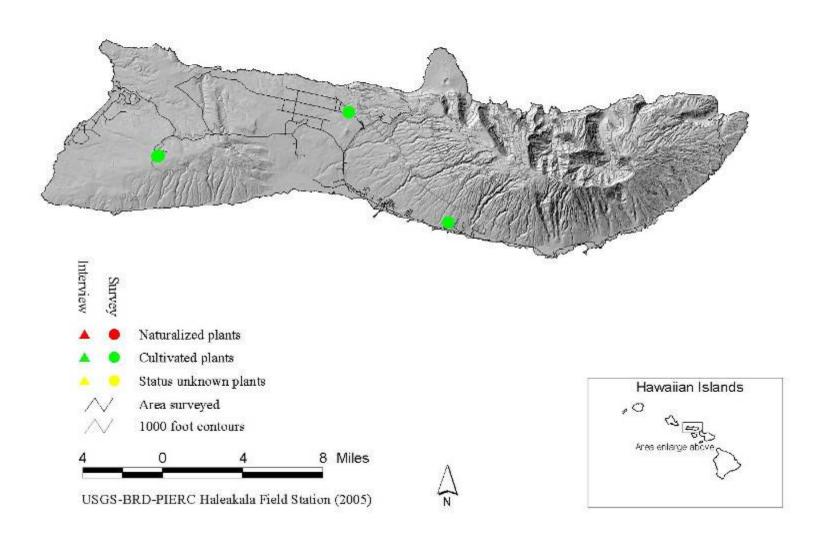
Pereskia aculeata



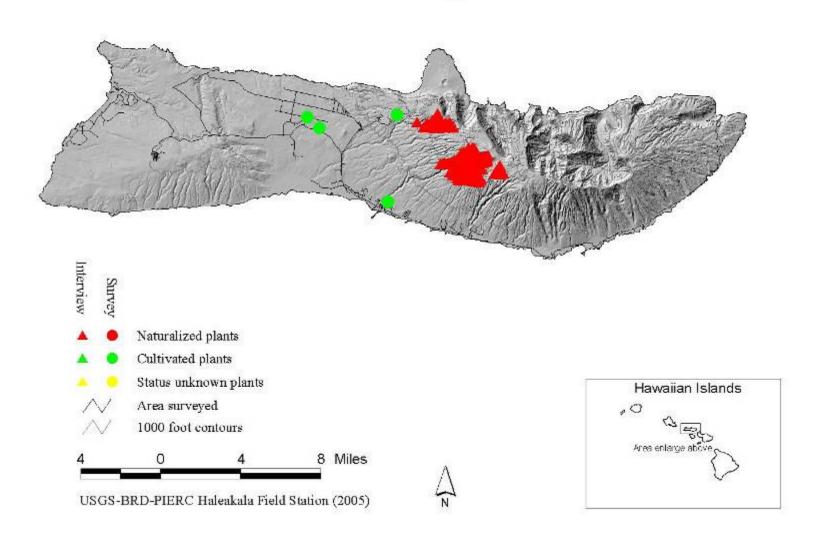
Phormium tenax



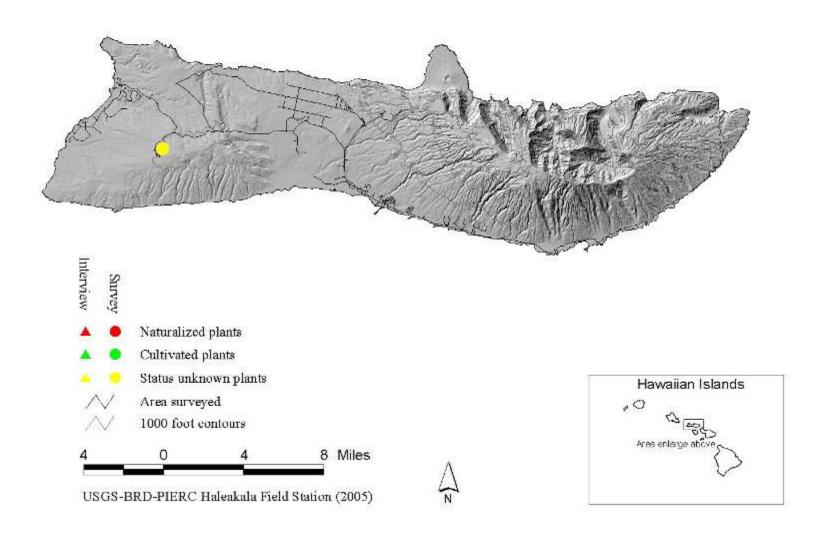
Pimenta dioica



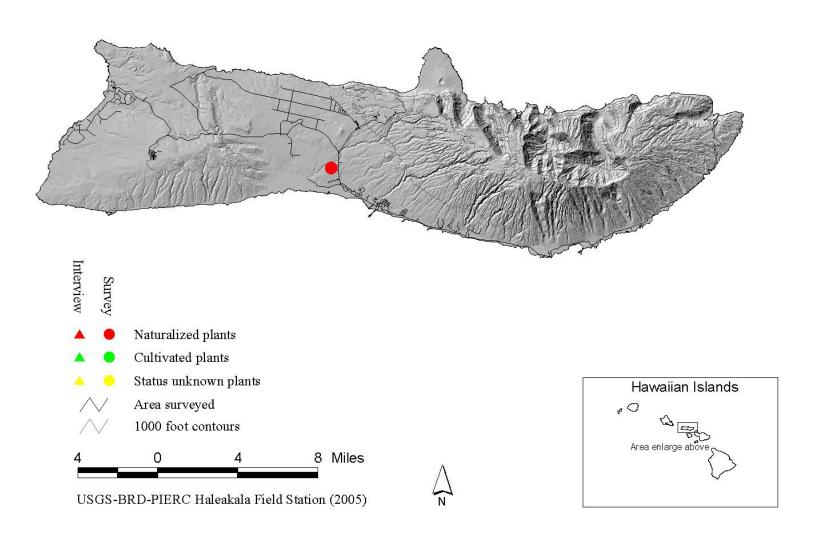
Known distribution on Molokai of *Pinus* spp.



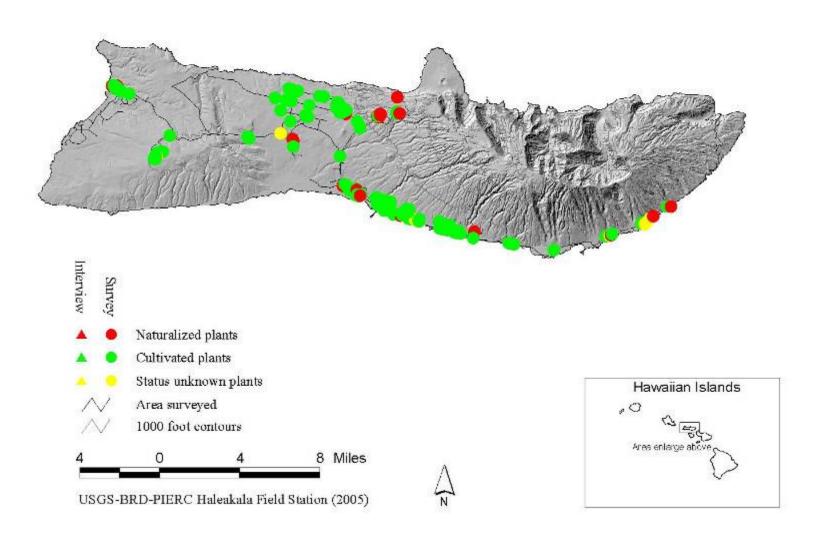
Podranea ricasoliana



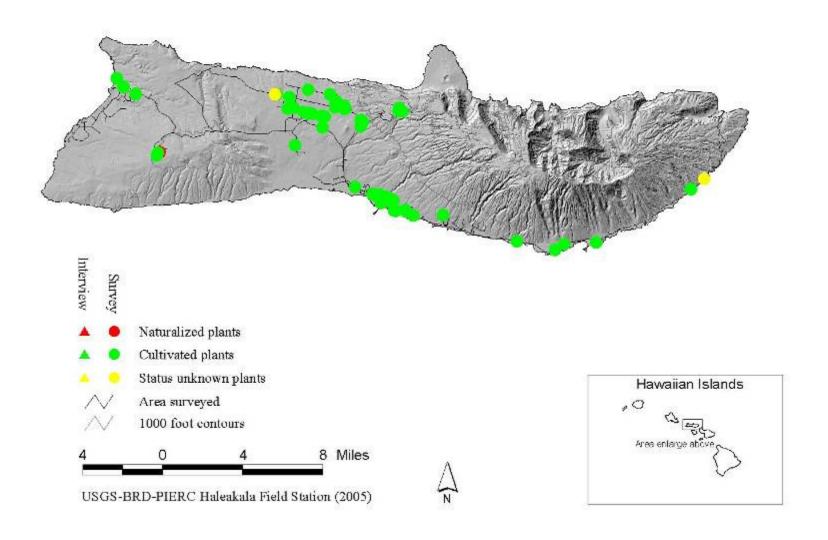
Salsola tragus



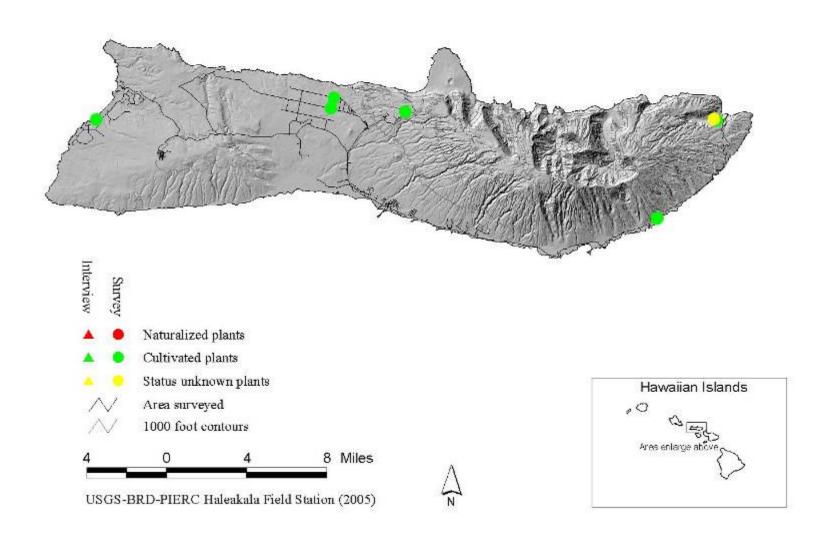
Schefflera actinophylla



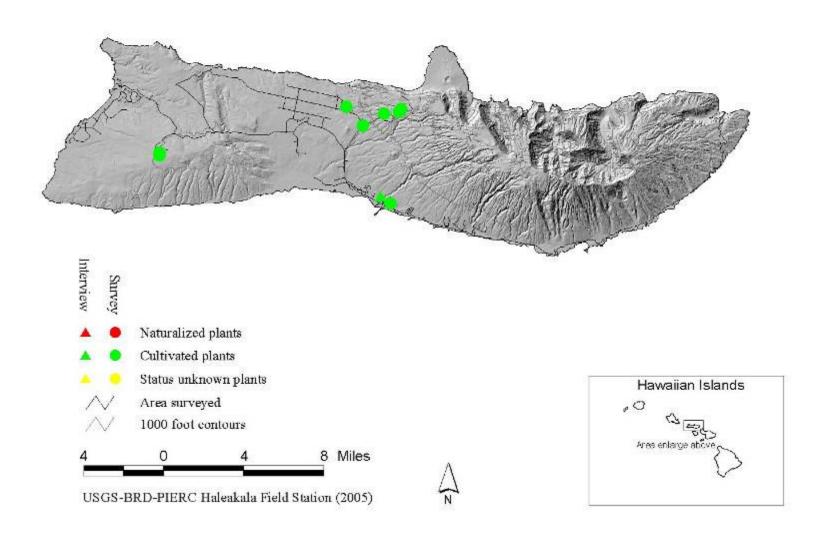
Schefflera arboricola



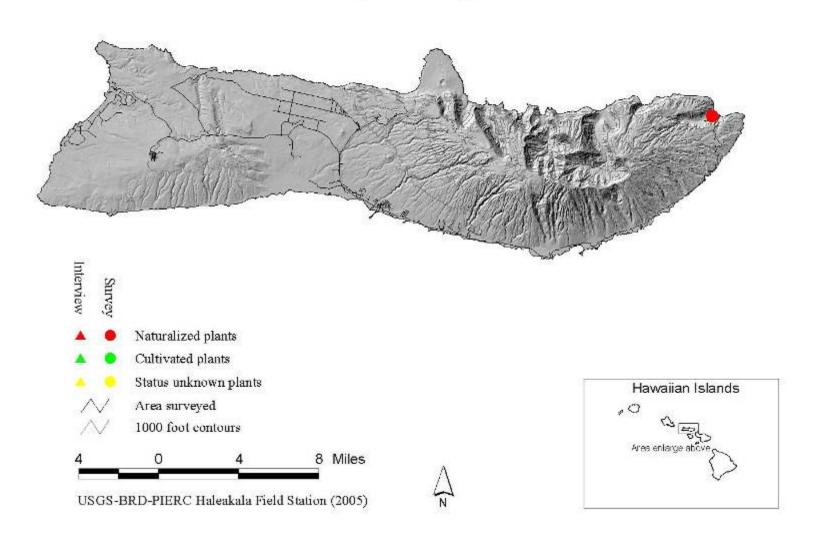
Solandra maxima



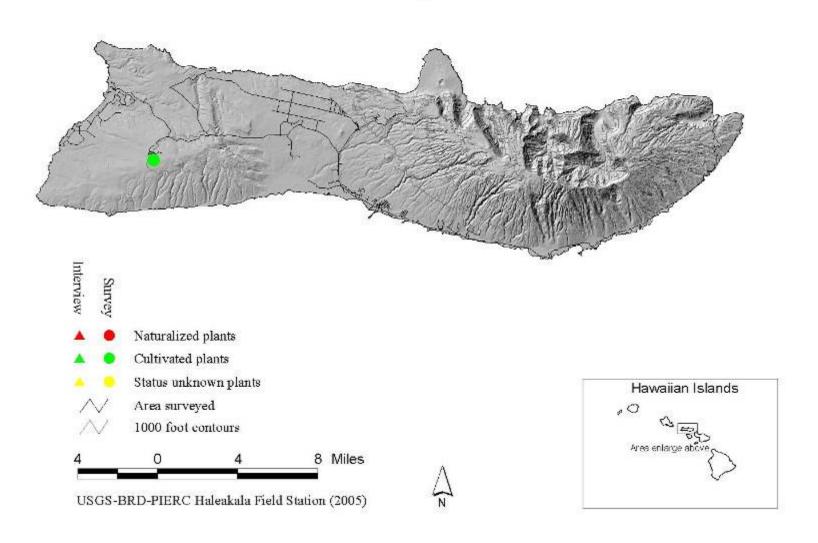
Sphaeropteris cooperi



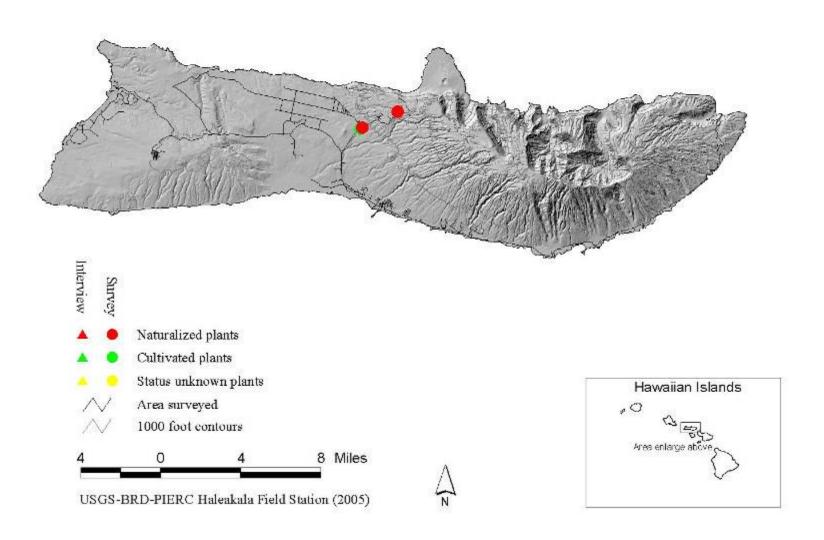
Tetragonia tetragonioides



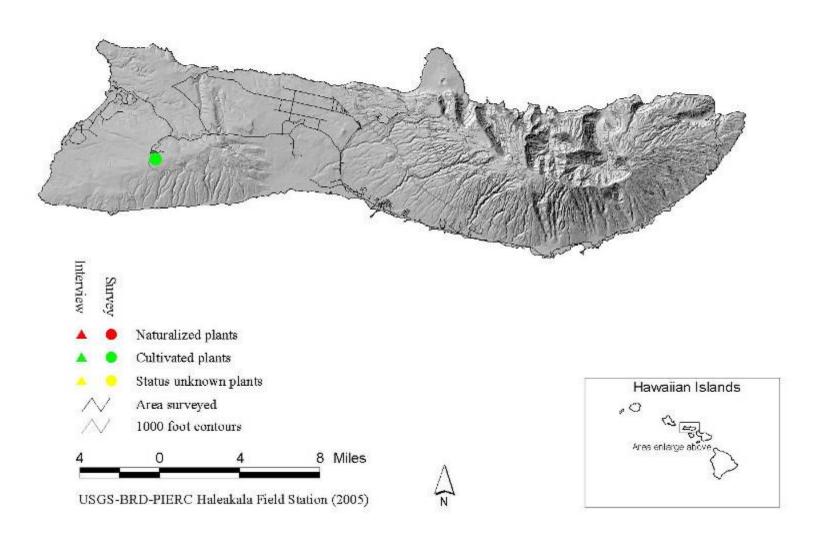
Thunbergia alata



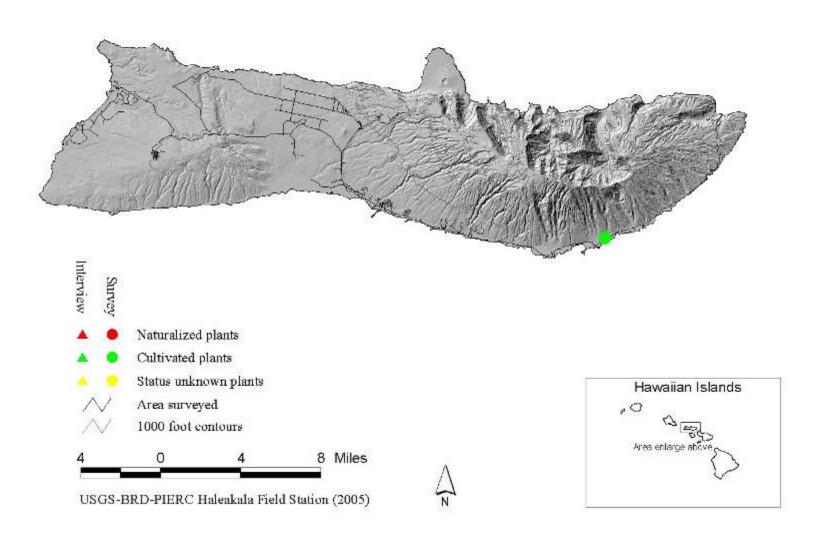
Thunbergia fragrans



Thunbergia grandiflora



Thunbergia laurifolia



Known distribution on Molokai of *Washingtonia* spp.

