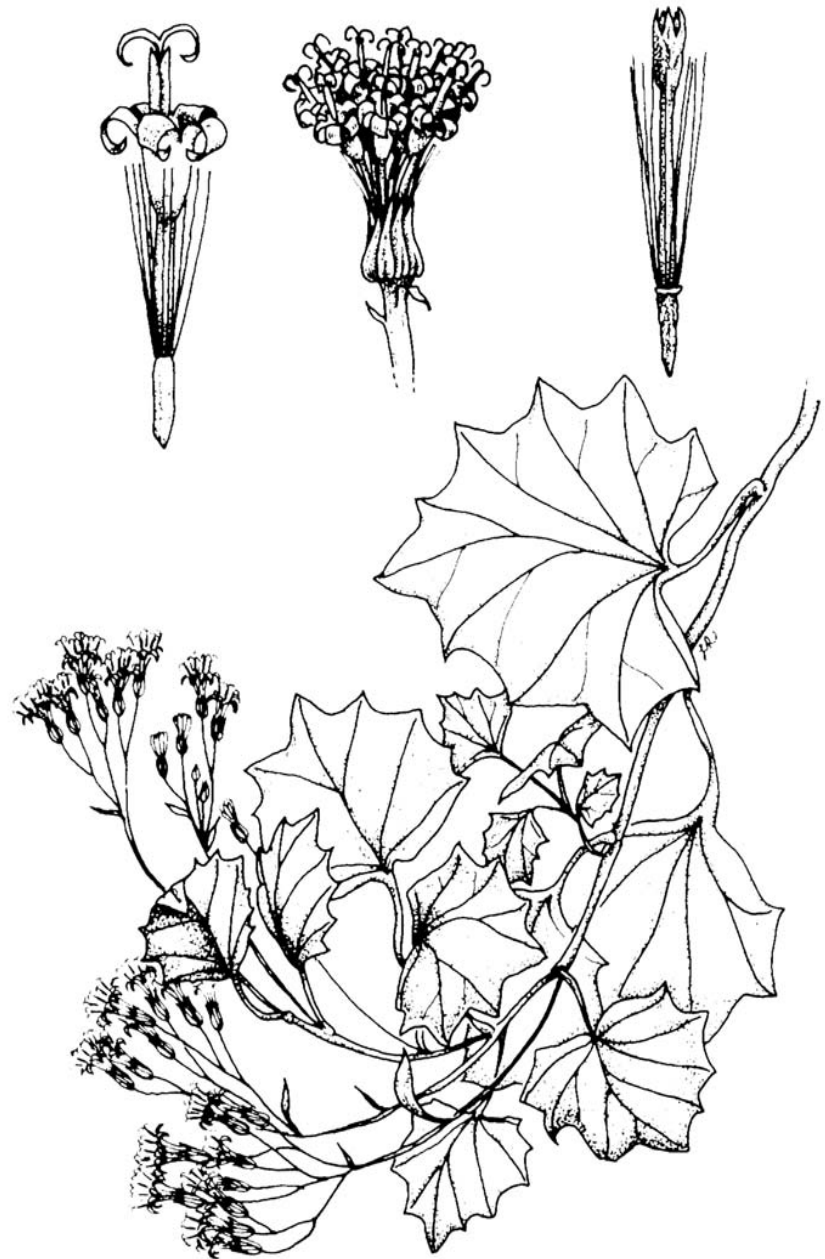


# Cape Ivy (*Delairea odorata*)

## *Distribution, Ecology and Reproductive Biology*

Ramona Robison  
and Joe DiTomaso

Plant Biology Graduate Group  
UC Davis









# **Little is Known About Cape Ivy Biology**

- **Growth rate of one population**
- **Regeneration from cuttings**
- **Desiccation tolerance**
- **Seed germination**
- **Breeding system**
- **Control strategies**
- **Reduces plant species richness**

# **Distribution and Natural Community Associations**

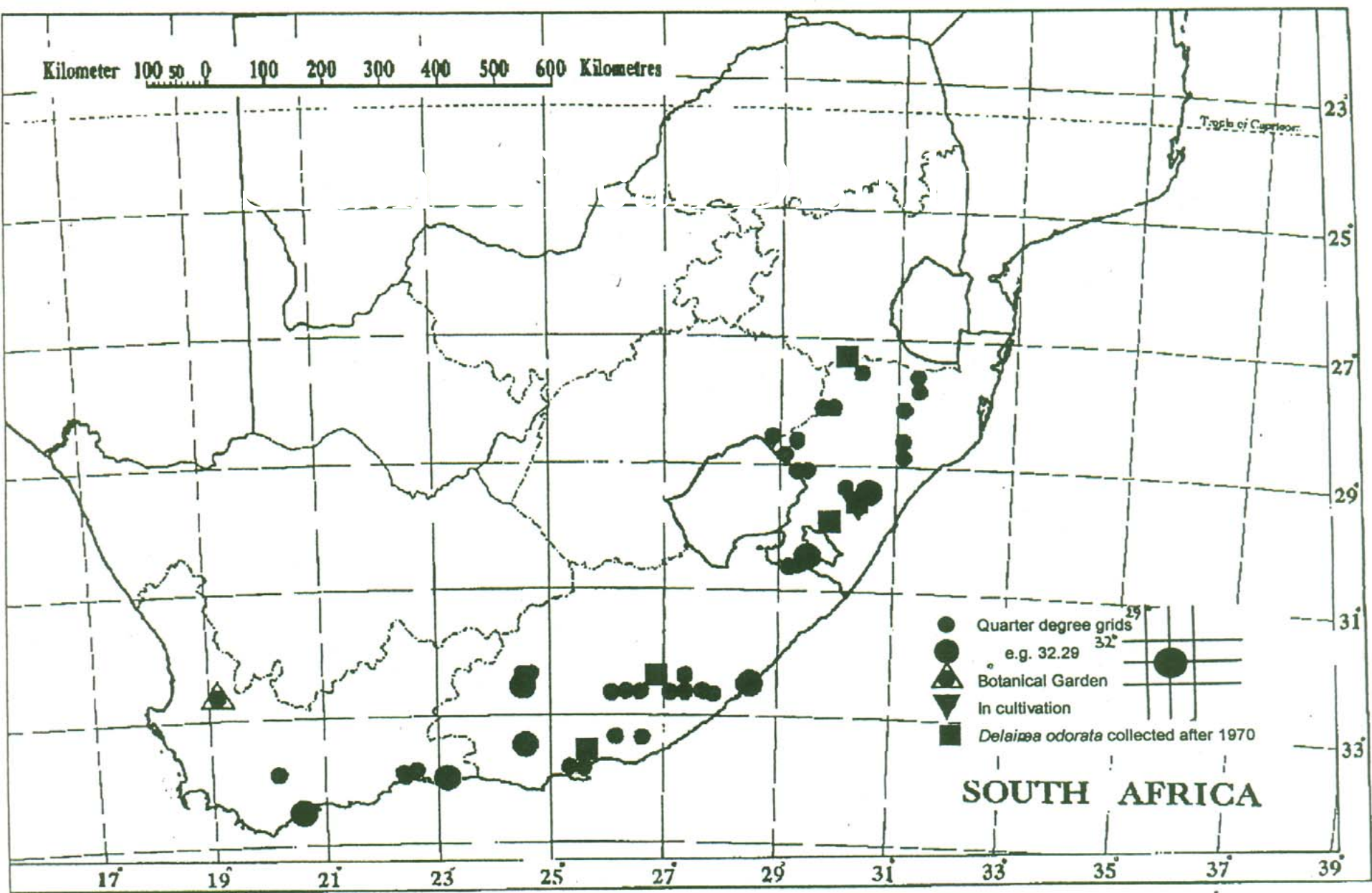


Figure 1: Known localities of *D. odorata*, taken from collected specimens in South African herbaria: National Botanical Institute (Pretoria), Bews Herbarium (Pietermaritzburg), Bolus Herbarium and Compton Herbarium (Cape Town) and the Shonland Herbarium (Grahamstown).

# Cape Ivy Distribution







# Distribution in Spain and Portugal

# Habitat Types Cape Ivy Infests in California

- Urban edge
- Eucalyptus
- Northern dune scrub
- Northern coastal scrub
- Northern Franciscan coastal scrub
- Central coast scrub
- Venturan coastal sage scrub
- North coast black cottonwood riparian
- Red alder riparian forest
- Central coast arroyo willow riparian
- Southern coast live oak riparian forest
- Southern arroyo willow riparian forest
- Sycamore alluvial woodland
- Southern sycamore alder riparian woodland
- Coast live oak woodland
- Upland redwood forest
- Bishop pine forest











# **Cape Ivy Reproductive Biology**



# Stipules and No Stipules



# Cape Ivy Stipulate and Non-Stipulate Locations











# Cape Ivy Genetic Diversity

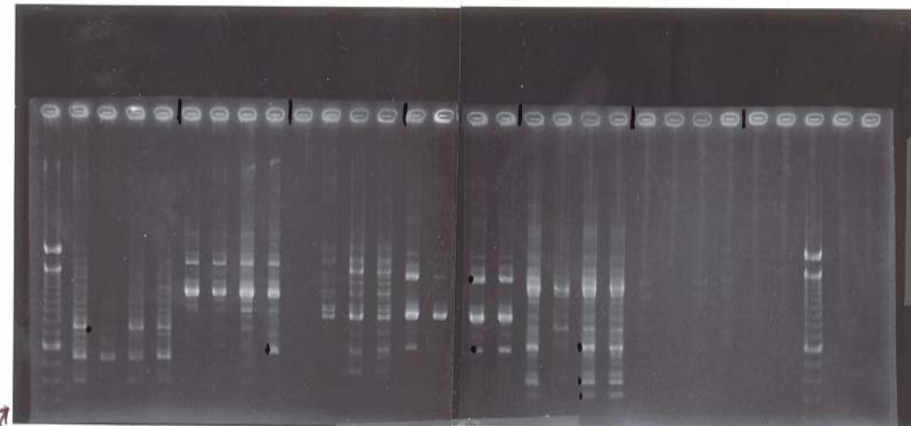
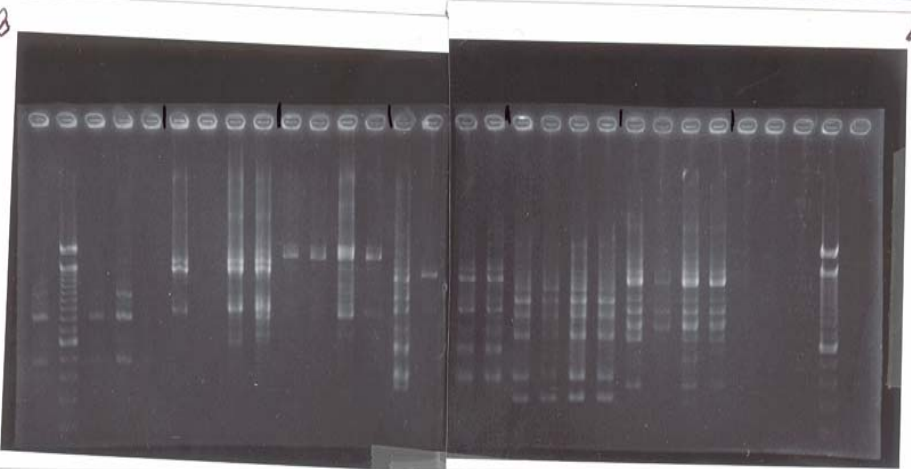
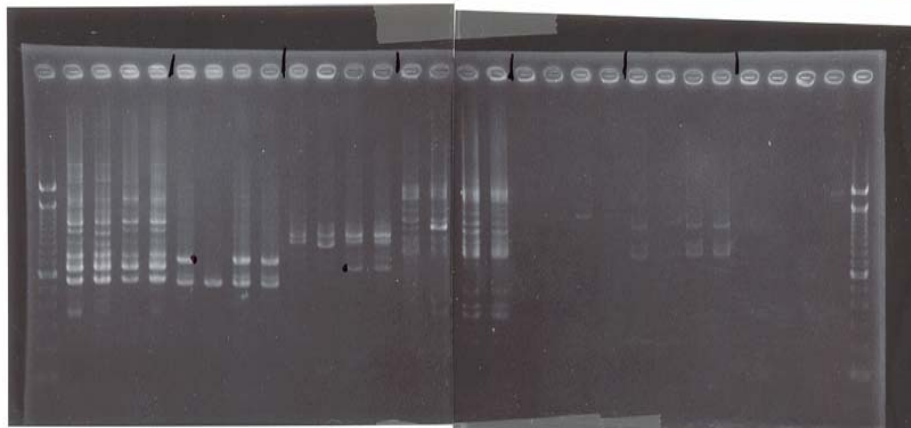
## DNA from 4 Locations

Oregon      No Stipules

Marin      Stipules

LA      No Stipules

San Diego      No Stipules



# Continuing Research

- **Self-incompatibility and reciprocal crosses**
- **Seed germination and temperature response**



# Acknowledgements

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