

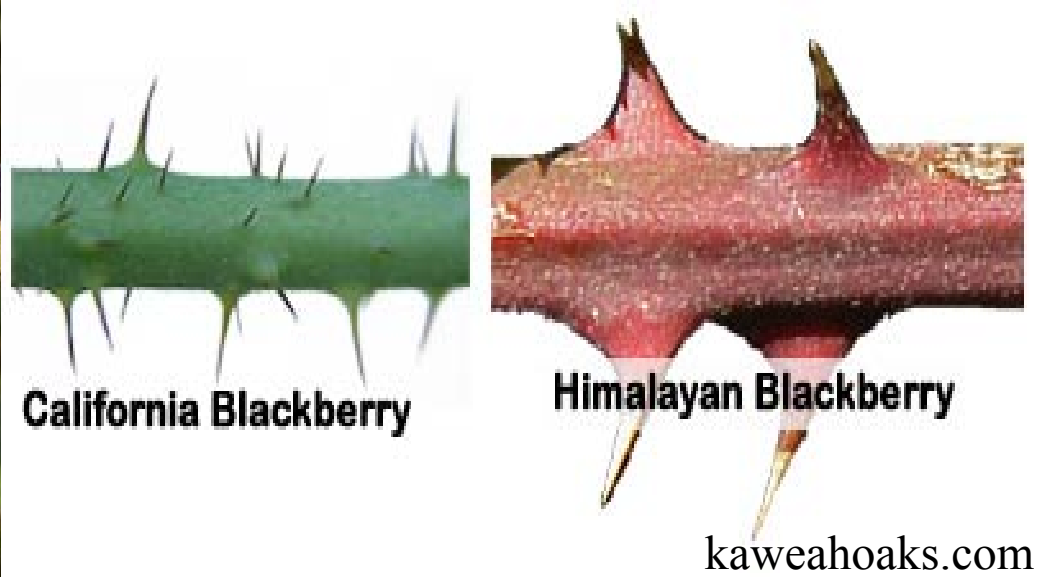
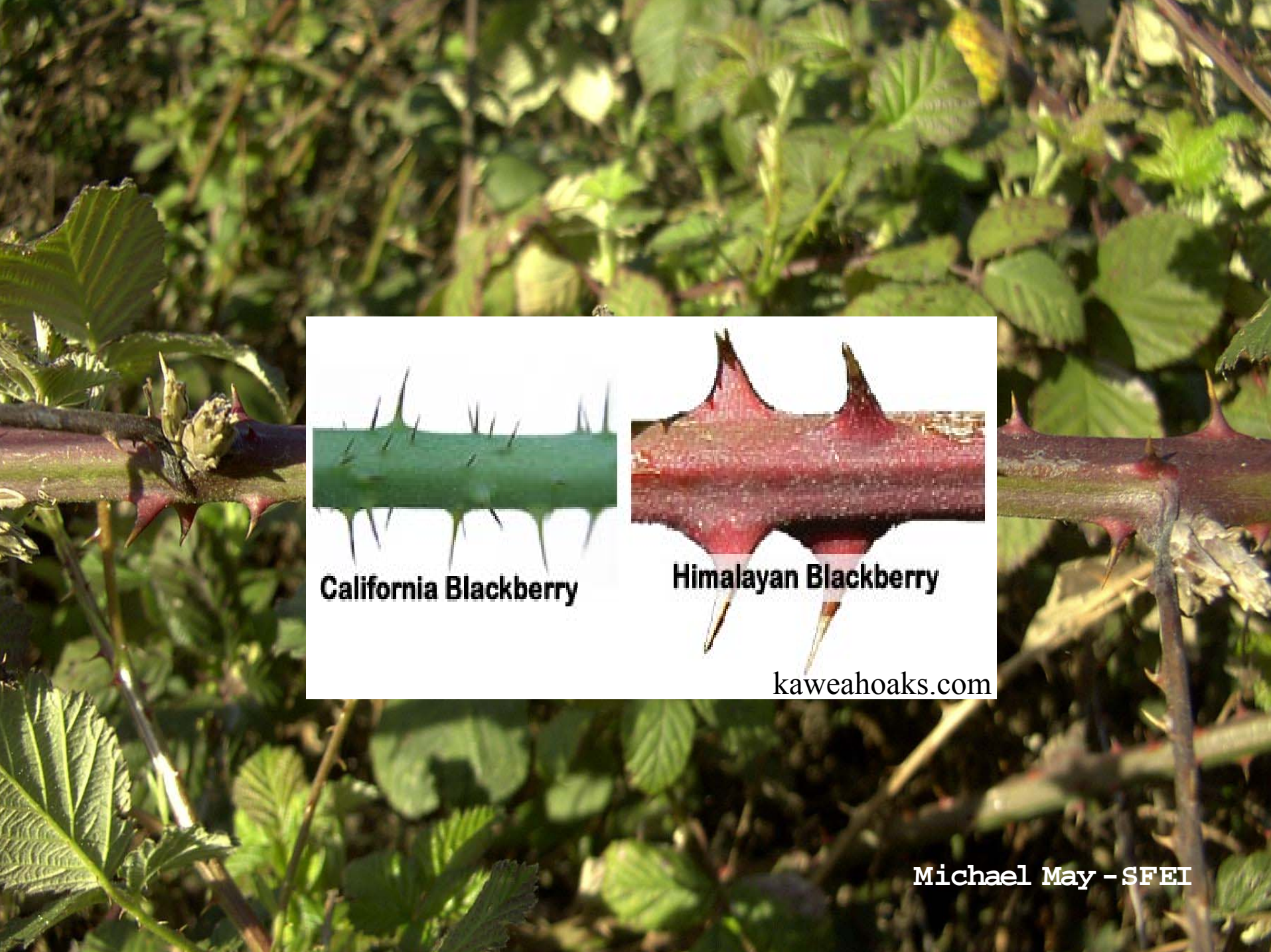
Tilling Him a layan Blackberry Out of Yosemite Valley







©2002 George Hartwell



California Blackberry

Himalayan Blackberry

kaweahoaks.com



Taxonomy of Himalayan Blackberry: a very confusing topic

- *Rubus discolor* Weihe & Nees is the most commonly used name for Himalayan blackberry.
- Synonyms:
 - Rubus procerus* auct. non P.J. Muell. Ex Genev
 - Rubus fruticosus* L.
 - Rubus macrostemon* (Focke) Sampaio
 - Rubus thyrsanthus* (Focke) Foerste
 - Rubus praecox* Bertol.
 - Rubus grabowskii* Weihe ex Gunther et al.
- "Rubus armeniacus - A Correct Name for Himalayan Blackberry" by Dr. Adolf Ceska

www.ou.edu/cas/botany-micro/ben/ben230.html





Luther Burbank

1849-1926

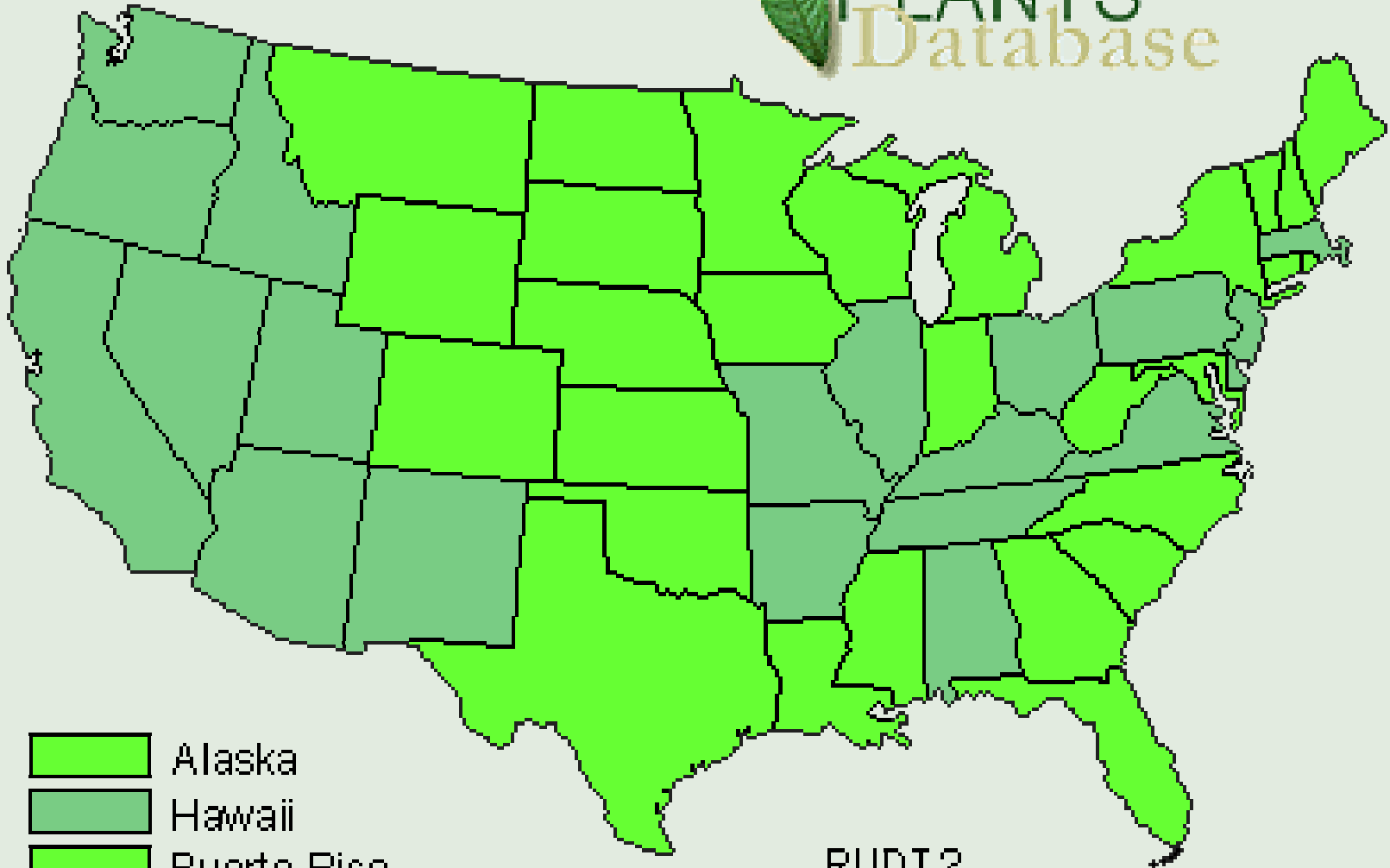


Why did it escape cultivation so quickly?

- Produces 7,000 to 13,000 seeds per square meter if growing in ample sunlight
- Can form roots at cane tips that touch the ground
- Canes can grow to 7 meters (23 feet) in a single year
- Forms long lateral roots from root crown
- Roots can grow to 90 centimeters (3 feet) deep
- Easily propagates from root and cane pieces



PLANTS
Database

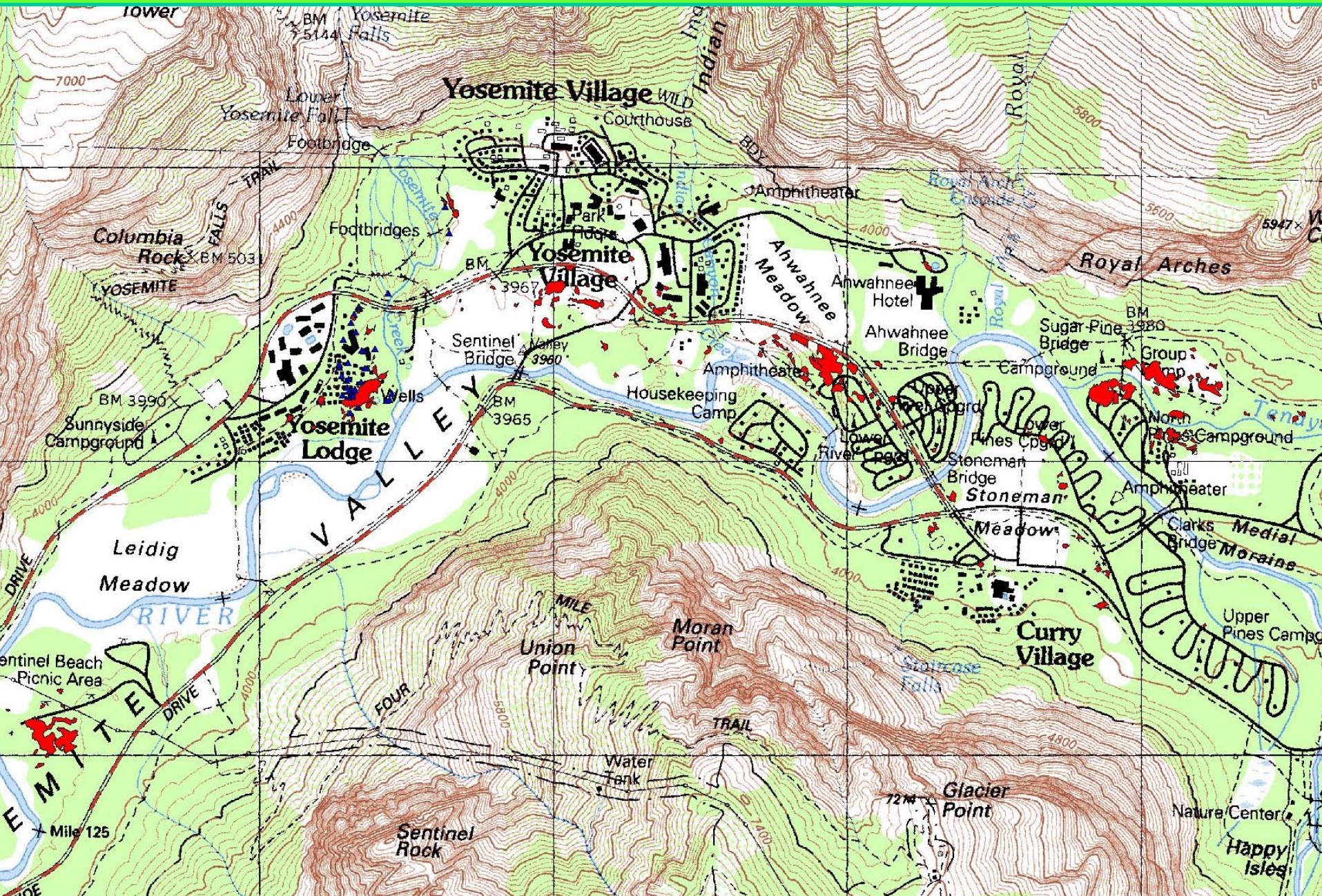


-  Alaska
-  Hawaii
-  Puerto Rico
-  Virgin Islands

RUDI2

USDA Plantswebsite

Himalayan Blackberry in Yosemite Valley



What impacts does it have on natural resources?

- It displaces native plants in valuable wetland, riparian, and meadow habitats by quickly smothering plants and blocking out light.
- It is a fire hazard around structures
- Limits access to watercourses







Hand-digging Treatment





Herbicide Treatment

Tilling Treatment



Scarifier



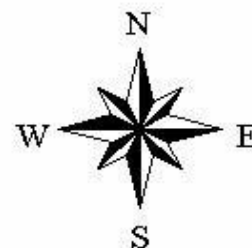
Project Goals

- To develop a feasible method to eradicate large infestations of Himalayan blackberry in developed and/or heavily disturbed areas in Yosemite Valley
- To begin to develop a strategy for invasive plant removal in the flooded the campgrounds in eastern Yosemite Valley, which are planned for restoration to natural conditions in the Yosemite Valley Plan (2001)

Lower River CG



- Yose_trl.shp
- Blackberry population - >5
- Line_gen.shp
- Edtcopy of yose_hyd.shp
- Roadscad.shp
- Edtcopy of yose_rds.shp



0.09 0 0.09 0.18 Miles

FRAXINUS VIRGINICA
in "A. Lower Forest"
Plot # 24
Date 10/24/01
Loc. H-18
Observer J. Drake



Control site



October 24, 2001

June 2002



October 2002



September 2003







October 2002





TAKEUCHI

NORTHRIDGE
EQUIPMENT RENTALS

TB135

KRR 4097

ONE
WAY
↑



“Invasive species are now widely recognized worldwide as posing threats to biological diversity second only to direct habitat loss and fragmentation.”

John M. Randall and Marc C. Hoshovsky

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