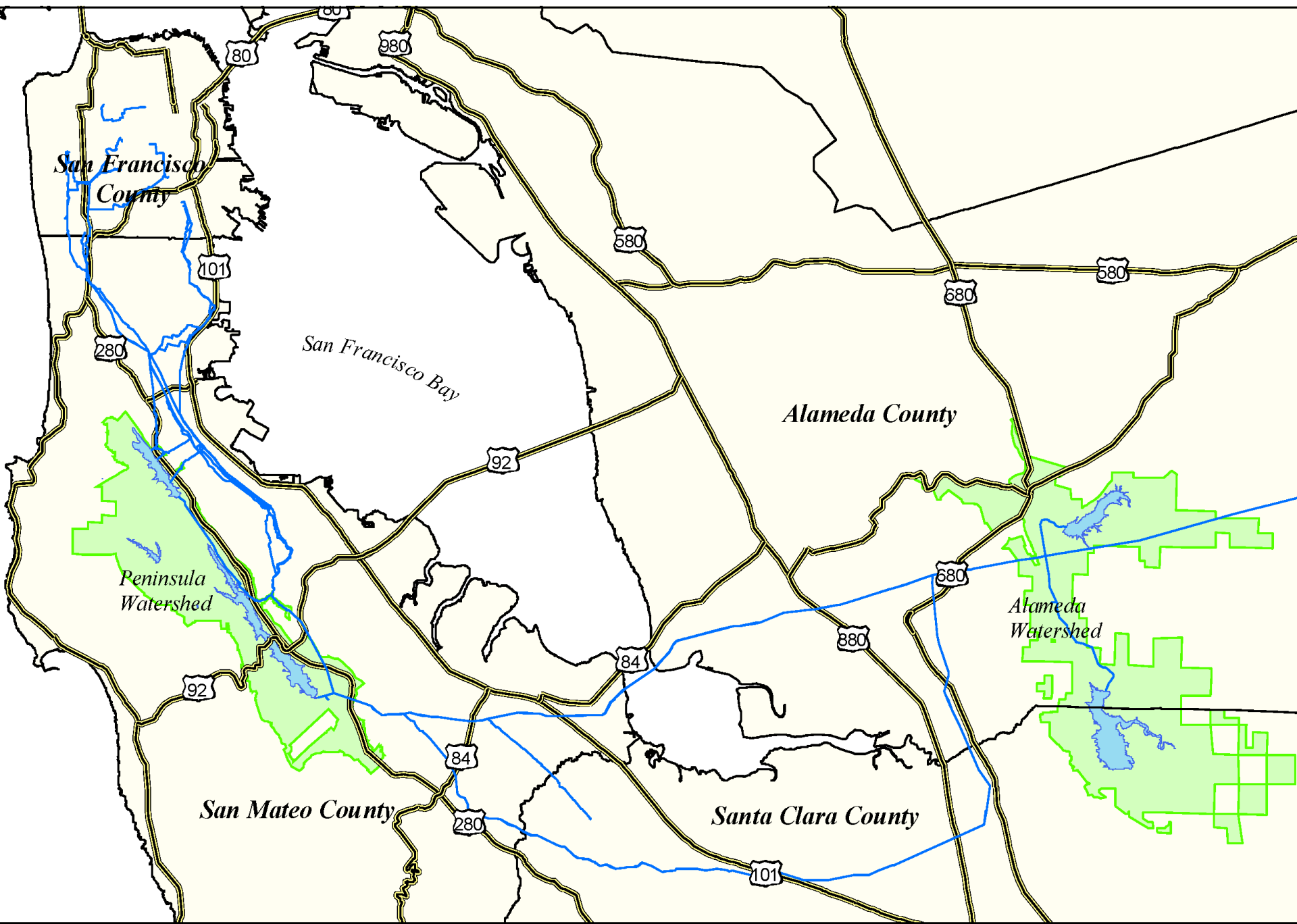
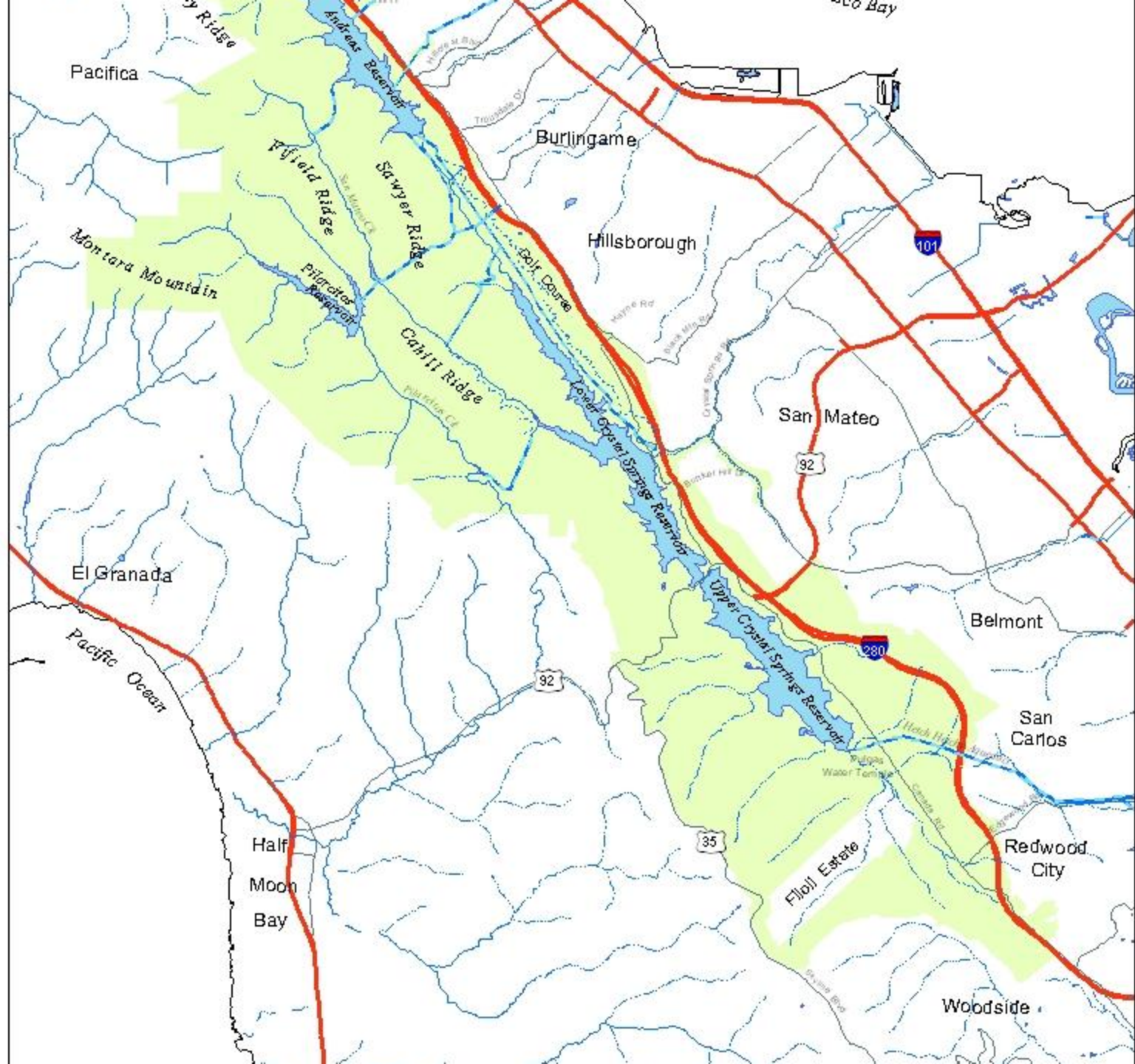


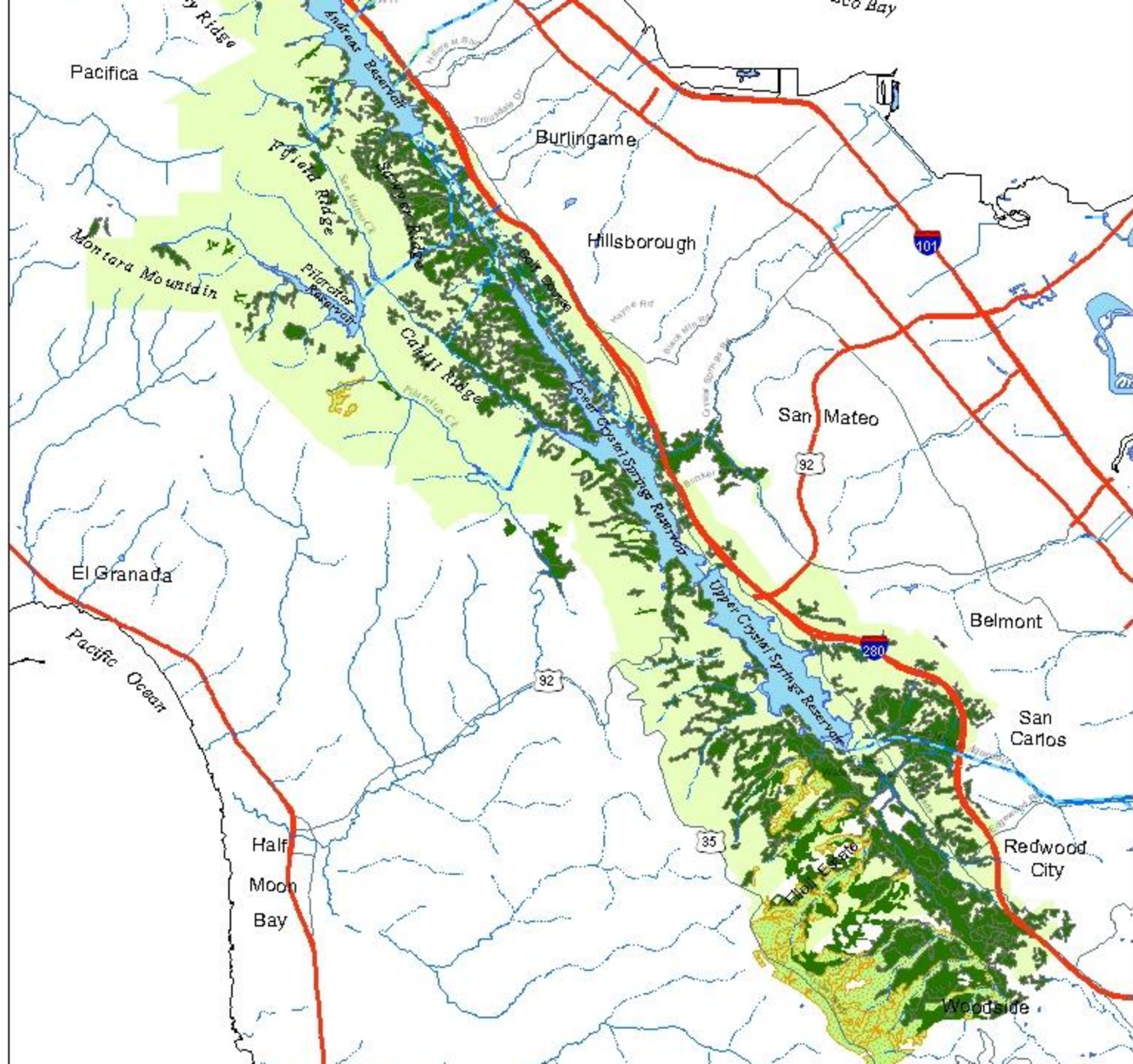
San Francisco Public Utilities Commission SOD Management Program



Ellen Natesan
City and County of San Francisco
San Francisco Public Utilities Commission, Water Enterprise
Natural Resources and Lands Management Division







SFPUC's Strategy

Manage the risk

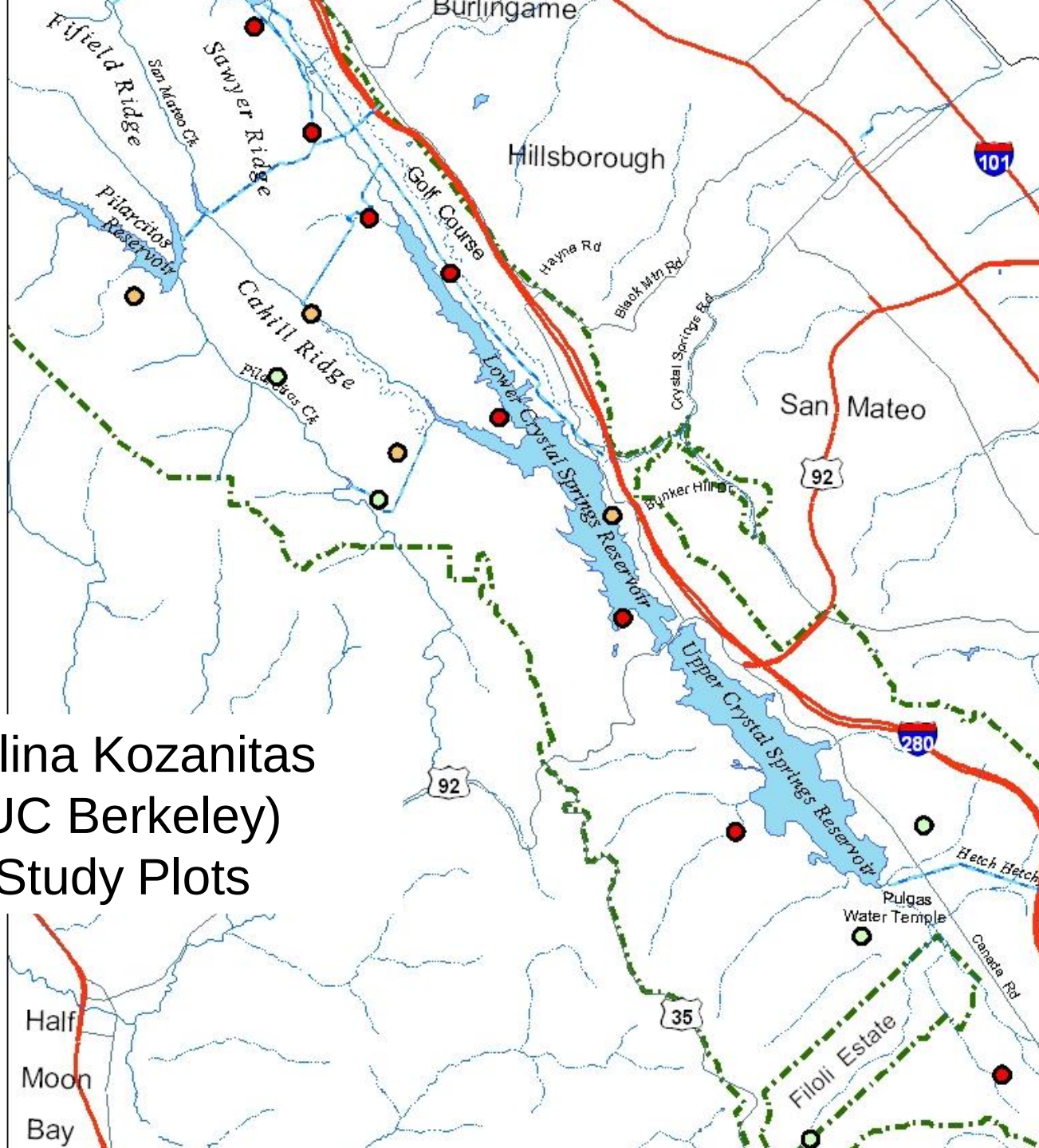
- Remove hazard trees

Applied research

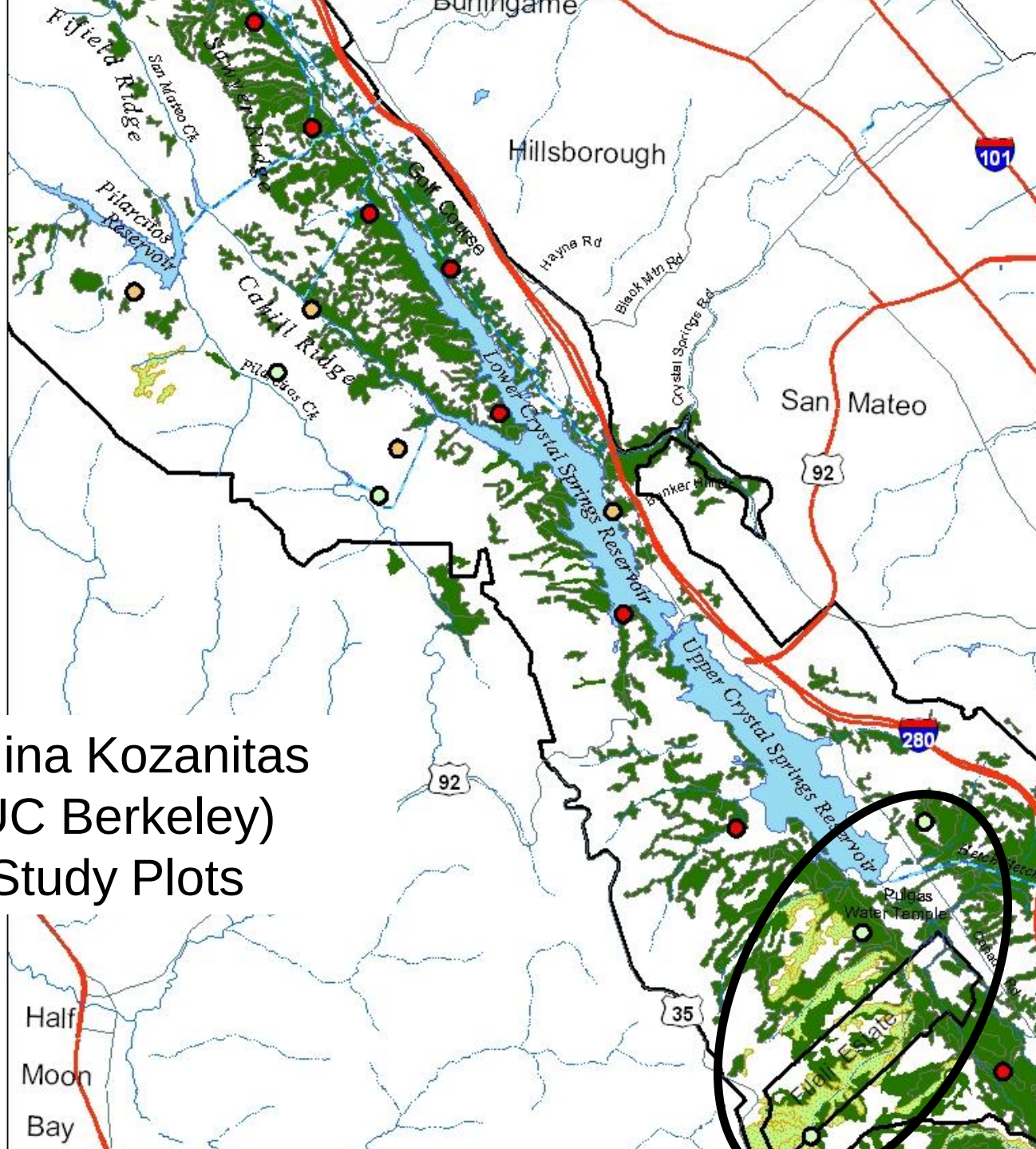
- Bay removal treatments
- Agri-Fos® treatments
 - Coast live oaks
 - Tanoaks

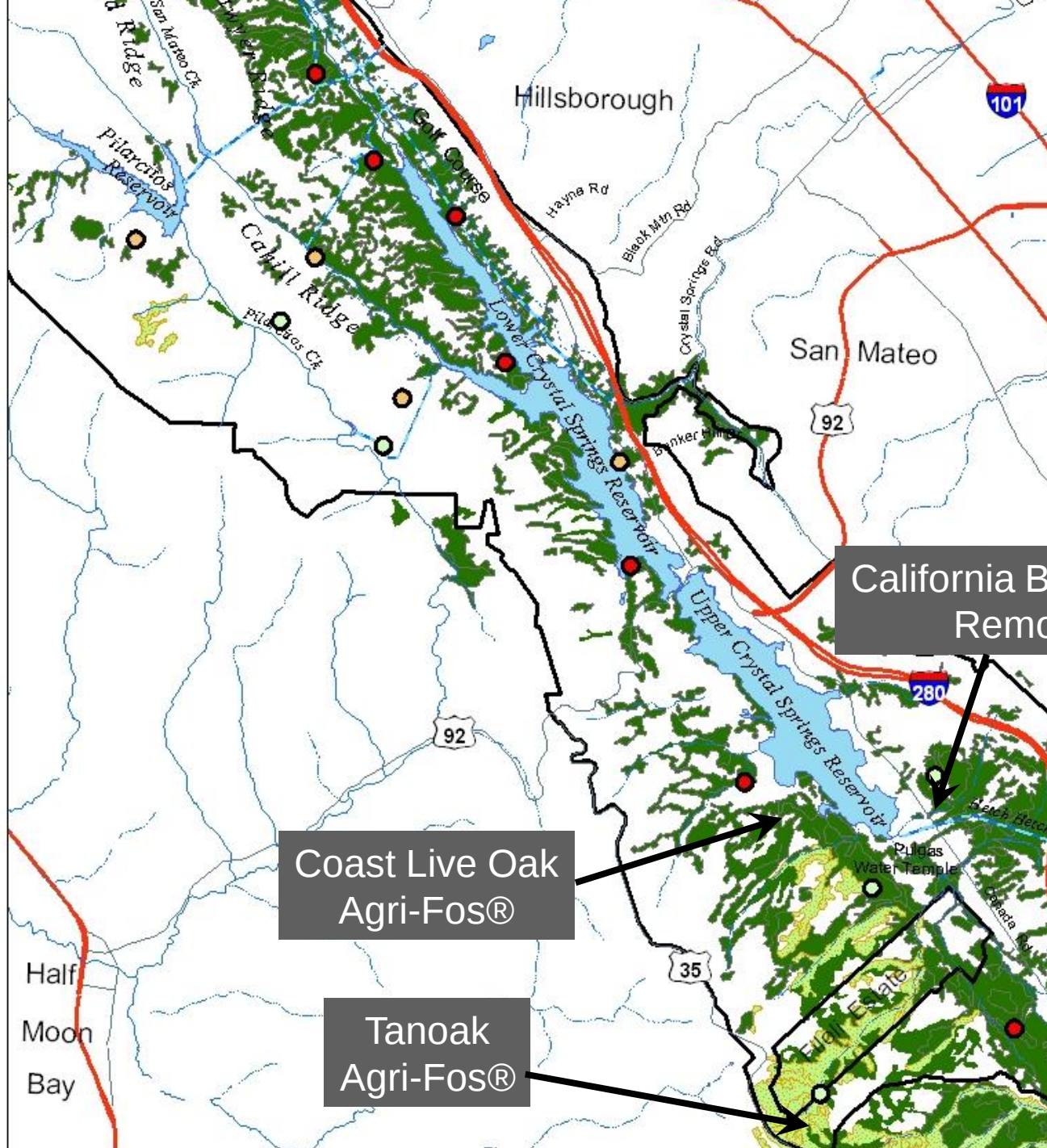
Basic research

Melina Kozanitas
(UC Berkeley)
Study Plots



Melina Kozanitas
(UC Berkeley)
Study Plots





California Bay Laurel Removal

Coast Live Oak Agri-Fos®

Tanoak Agri-Fos®

Treatments so Far

AgriFos

- 3 of 1500 acres of redwood/tanoak forest
- 8 coast live oak trees

Bay Removals

- 5 of 5800 acres of bay/coast live oak

Hazard Tree Removals

- 750 dead coast live oak between 2008-now

Results So Far

- Coast Live Oaks
 - 8 treated trees– not dead yet!
 - 49 control trees – 13 dead
- Tanoaks
 - No symptoms on controls or on treated trees
- Bay Removal Area
 - No oak mortality or cankers

THANK YOU!!!

Susan Frankel, USFS

Ted Swiecki, Phytosphere Research

Liz Bernhardt, Phytosphere Research

Matteo Garbelotto, UC Berkeley

Melina Kozanitas, UC Berkeley

Catherine Eyre, UC Berkeley

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Carla Schultheis, SFPUC WEIP Coordinator

USFS, Forest Health Protection Program