https://ca.pbslearningmedia.org/resource/blister-rust-video/ghost-forests/

https://ca.pbslearningmedia.org/resource/kqedq11.sci.suddenoakdeath/sudden-oak-death/

https://ca.pbslearningmedia.org/resource/kqedq11.sci.plantplague/plant-plague-sudden-oak-death/

https://www.kqed.org/quest/11900/sudden-oak-death-plus-wildfire-a-natural-experiment

https://www.youtube.com/watch?v=C2G4J9iruuU

https://www.youtube.com/watch?v=UIASoVmAnxo

https://www.youtube.com/watch?v=2NYR-2u0jwU

https://youtu.be/55lmDbc7eew

https://www.youtube.com/watch?v=G10OmTNFseY

Suggestions

- Pay attention to the details of a pathosystem below the species level: that is variation in virulence among strains or lineages of pathogens and variation in susceptibility or epidemiological role among the various hosts
- Pay attention to the life cycles of the various pathogens, especially when different transmissive, dead-end hosts reservoir hosts or when alternate hosts are involved. Please study the ploidy of the pathogens in their life cycles
- Pay attention to the details of host specificity of different pathogen species, in particular of roots rots such as Heterobasidion. Study host specificity, the names of the various pathogen species, their hosts and look at the impact of hybridization
- Host specificity also as a player in successional processes
- Pay attention to the definitions as much as possible on what is a disease, type of disease and type of pathogen
- Focus on the ecology of disease: vectoring, temperature, rainfall requirements
- Learn about the organisms responsible for plant diseases: how they reproduce, how we can differentiate them
- Section on ecology of diseases (Janzen Connell, transgenerational effects, density dependence, red queen hypothesis , etc.). This is an important section

SOD blitz participation
Please check the boxes online at

https://docs.google.com/spreadsheets/d/17xb7sTYzFGH-WRcohF4jG7oysOZzCsCd6GoJw8VCwKA/edit#gid=0

- Go to SODblitz.org to register and train.

- If you have an iPhone, download the App **SODmap mobile** to use for GPS determination of trees you sample, otherwise download any GPS app. App also helps you identify bay laurel trees. (red or green icons on map)

- Come to Mulford Hall Rm 103 to collect your collection materials and have some chow on Friday April 26th at 4 pm.

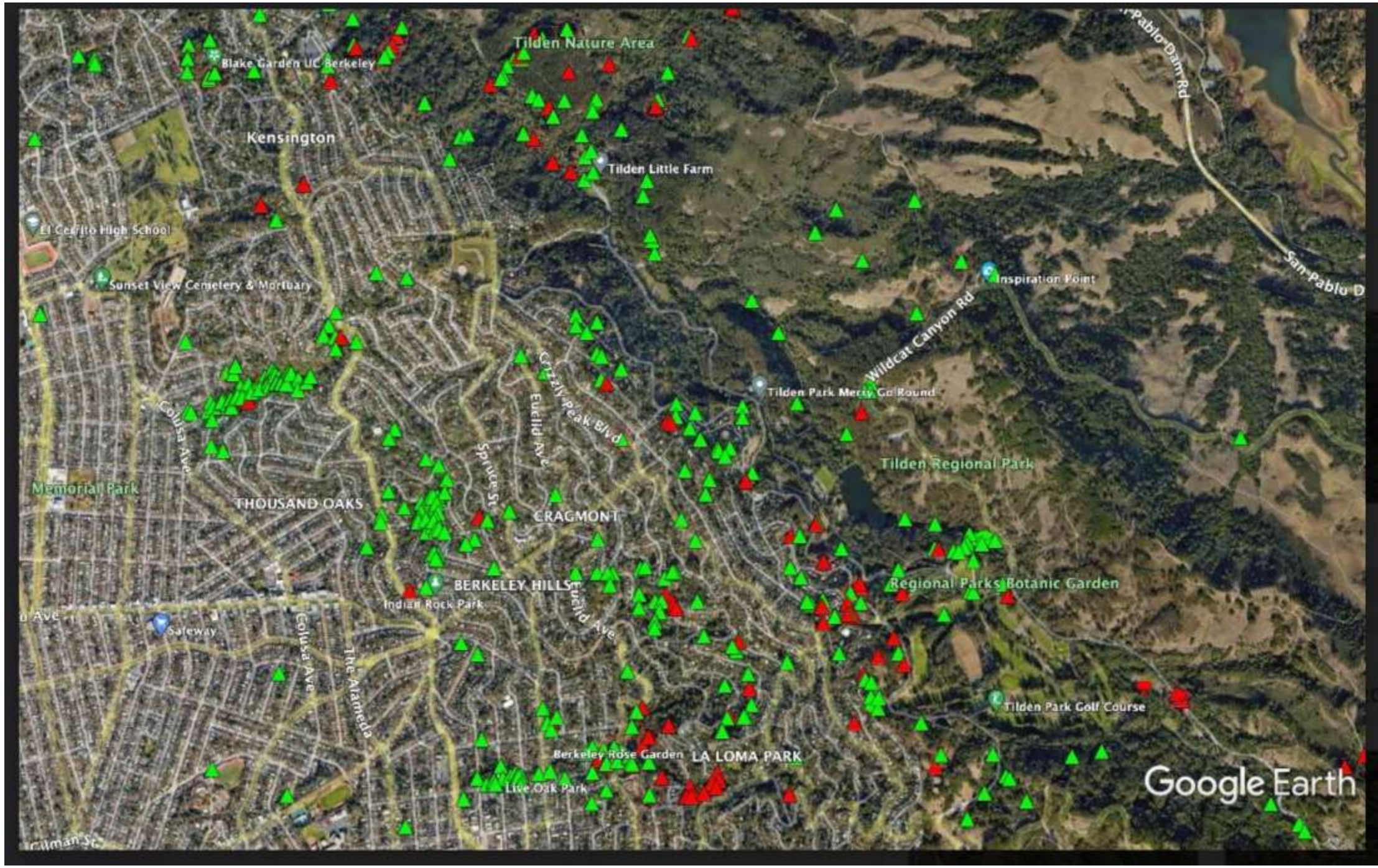
- Go to the field SAT, SUN or MON, collect symptomatic leaves

  (SEE SLIDES BELOW FOR MAPS OF AREAS YOU CAN SAMPLE.

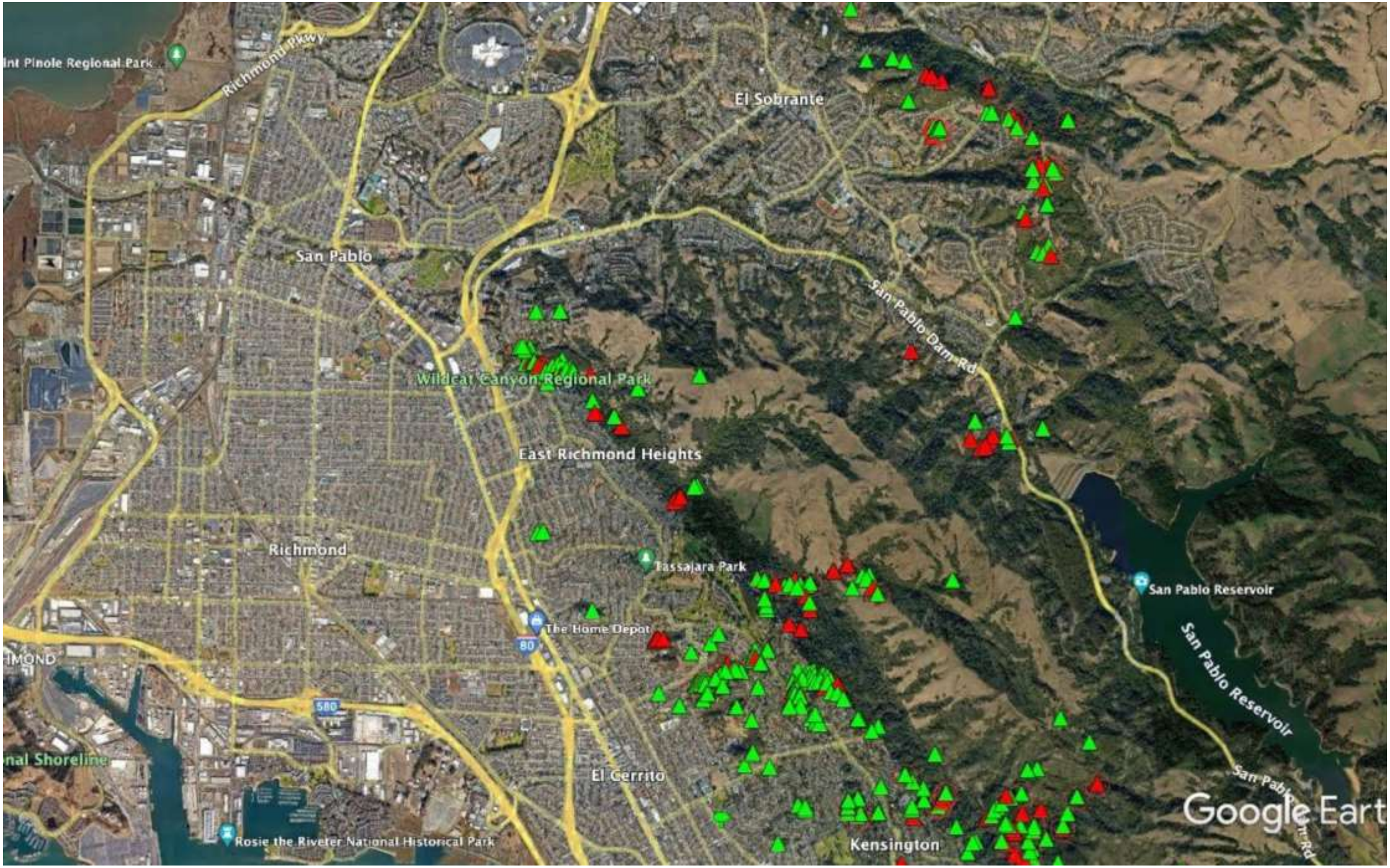
  IT IS OK TO RESAMPLE TREES ALREADY SAMPLED PREVIOUSLY)

- Return samples to Berkeley Collection Bin by TUESDAY at noon

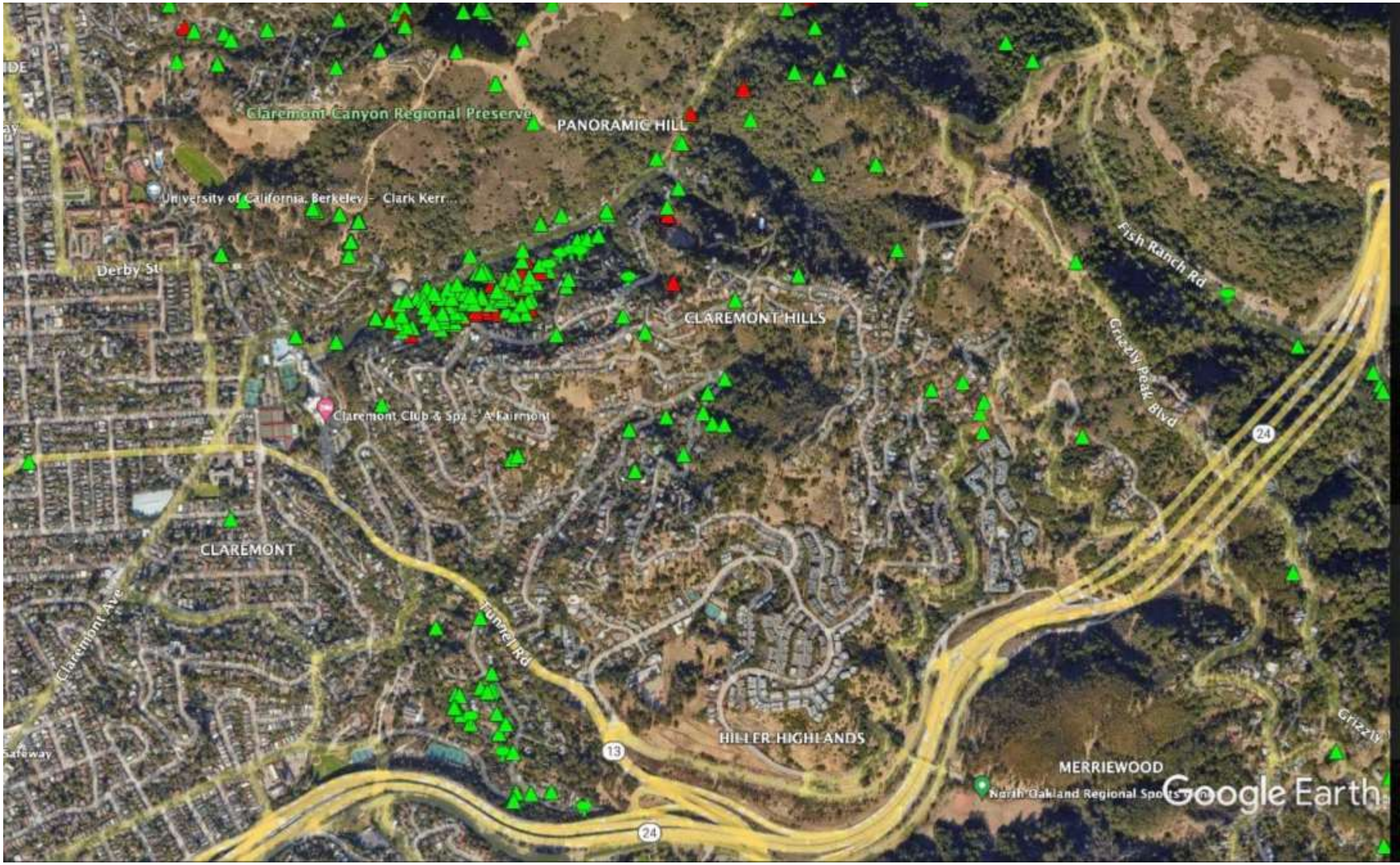
North Berkeley



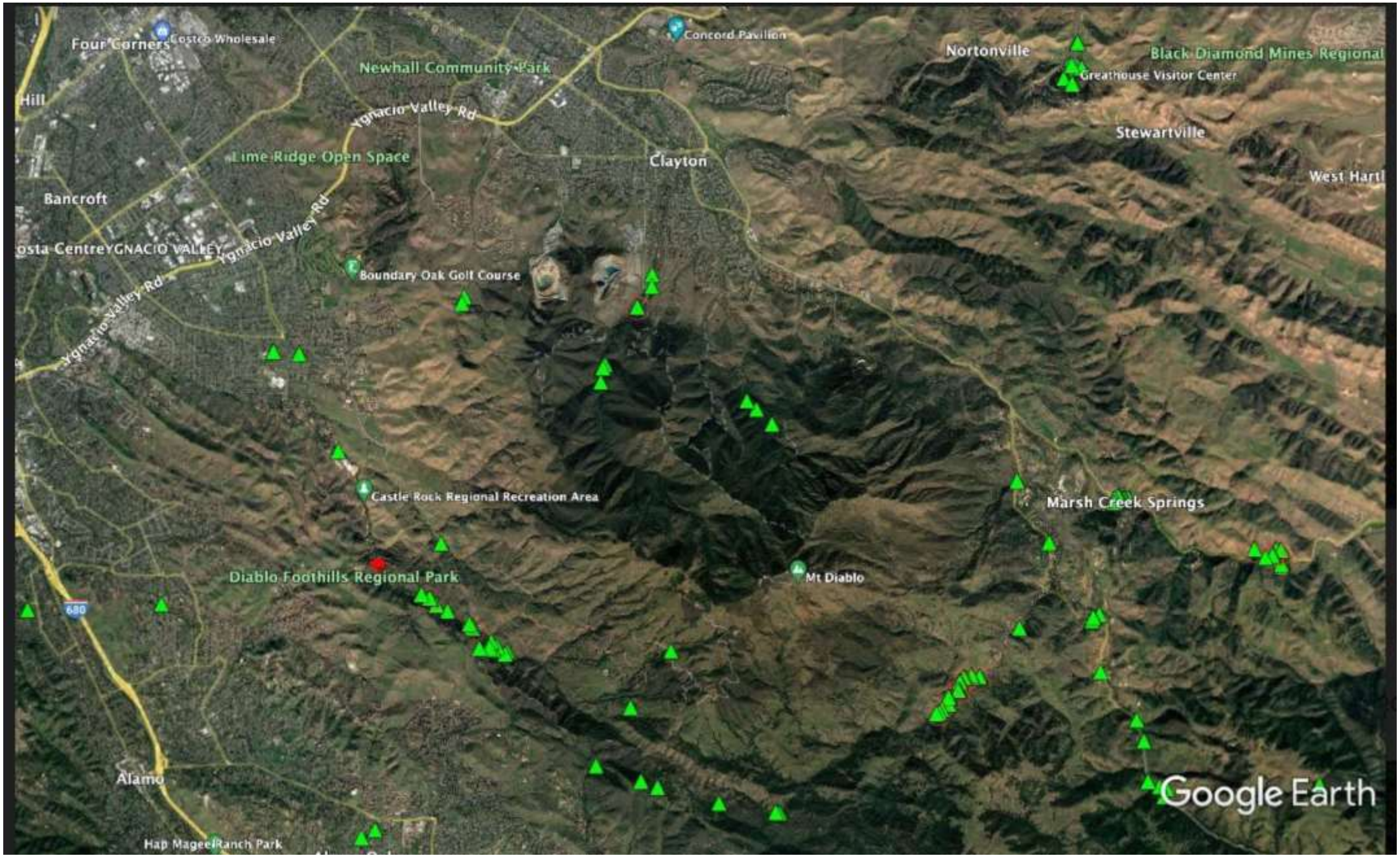
Richmond
El Cerrito



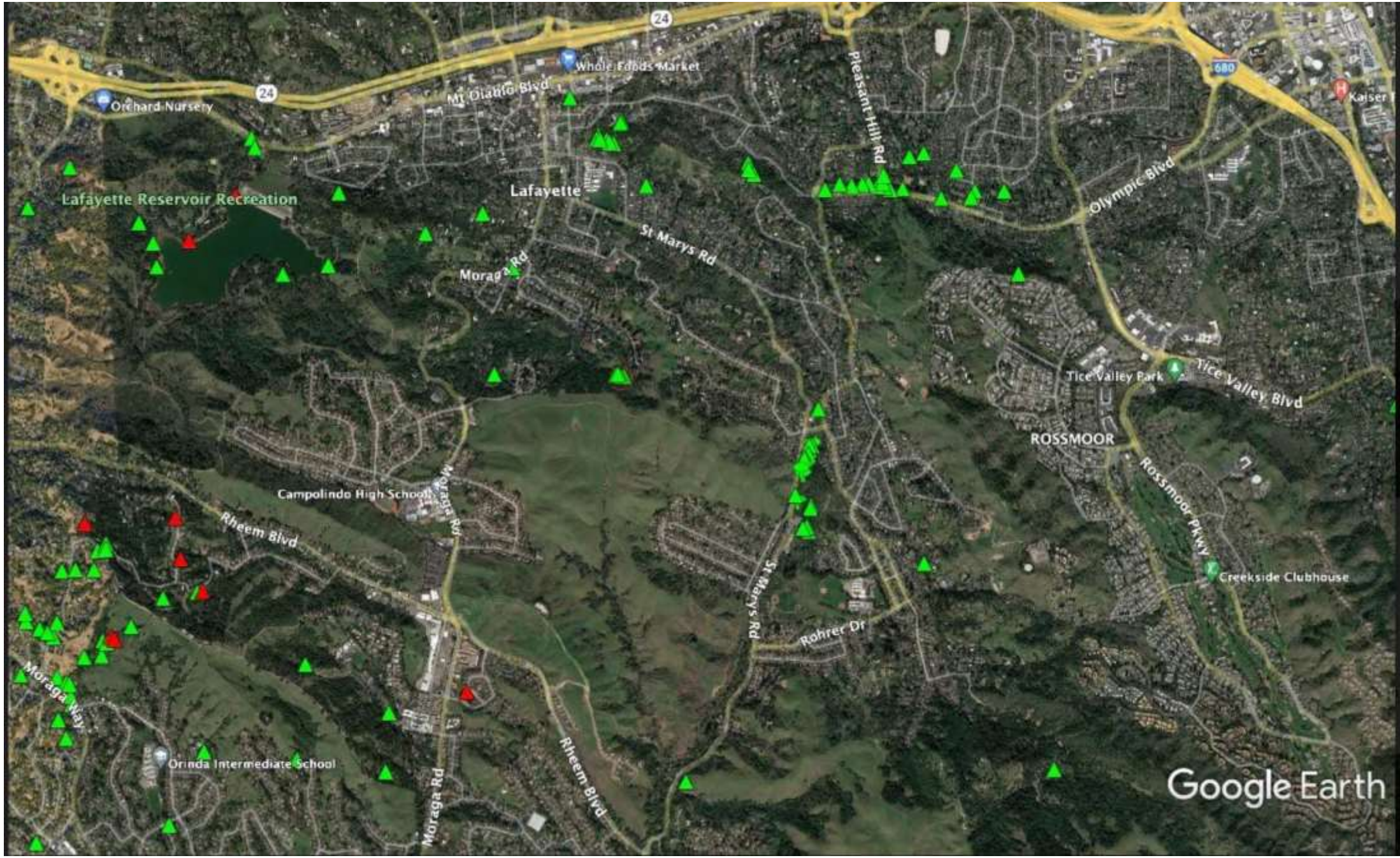
Claremont


Claremont Canyon Regional Preserve
PANORAMIC HILL
University of California, Berkeley - Clark Kerr...
Derby St
CLAREMONT HILLS
Fish Ranch Rd
Grizzly Peak Blvd
Claremont Club & Spa, A Fairmont
CLAREMONT
Claremont Ave
Tunnel Rd
HILLER HIGHLANDS
MERRIEWOOD
Grizzly
Google Earth

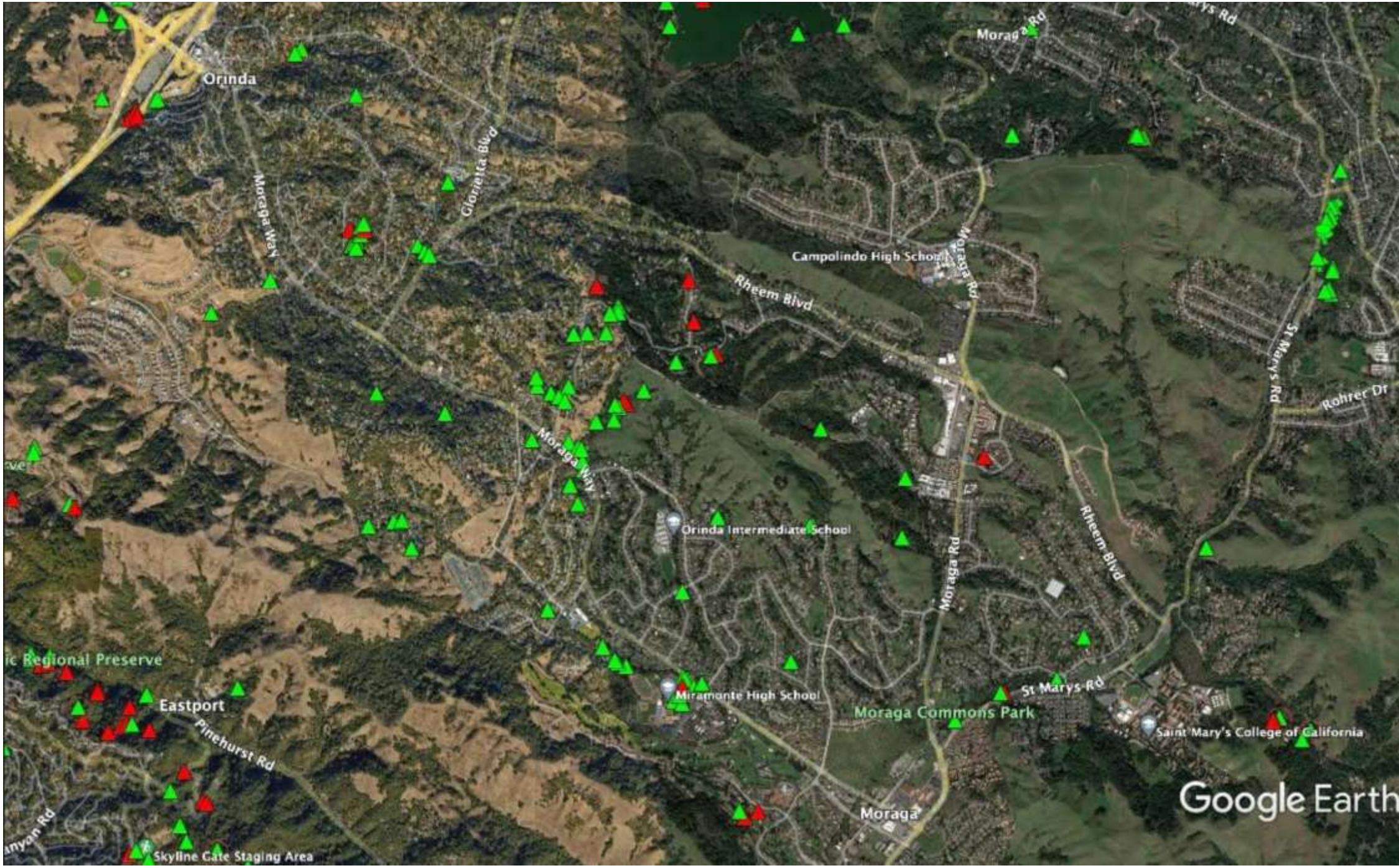
Mount Diablo



Lafayette
Rossmoor

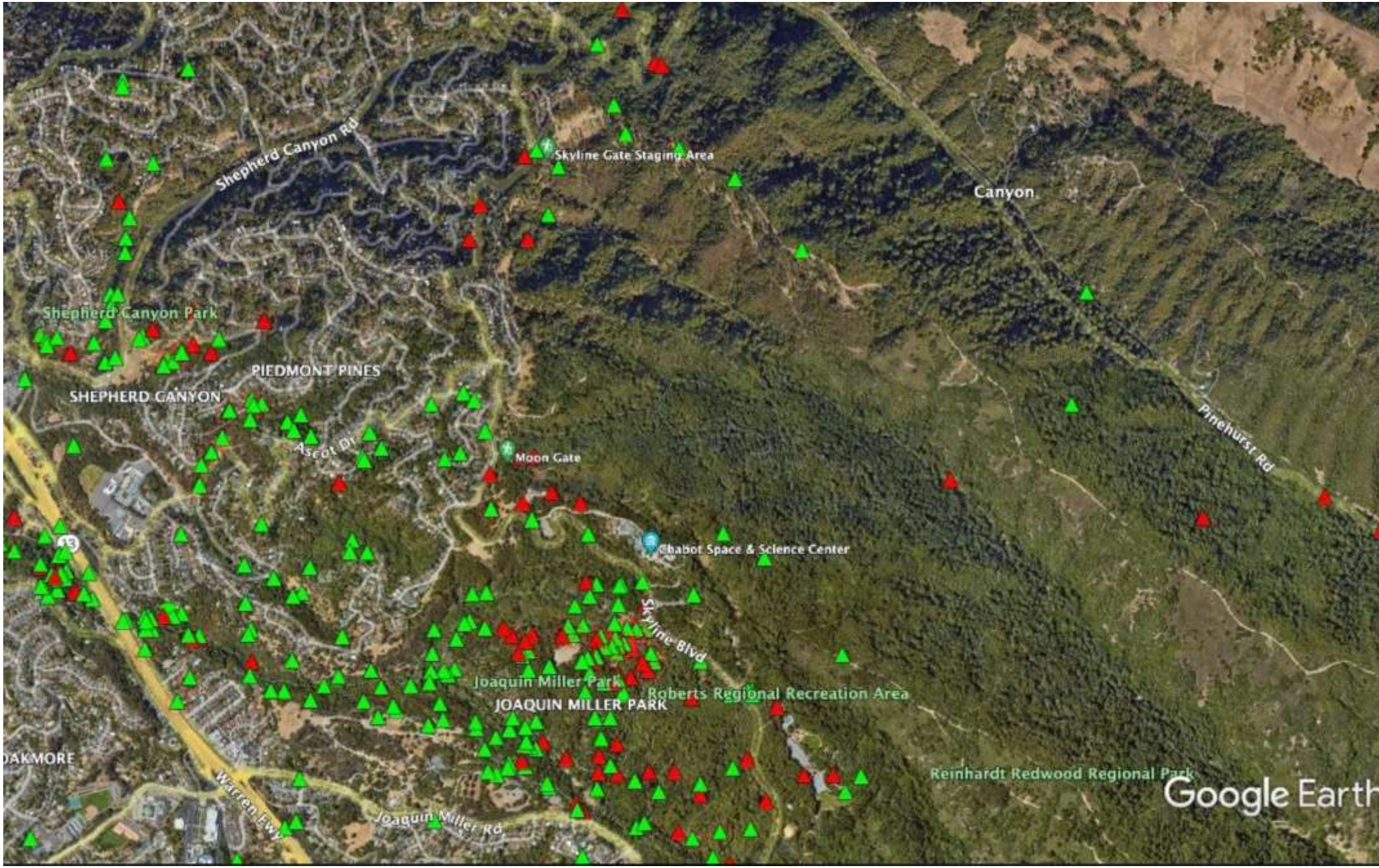


Orinda
Moraga

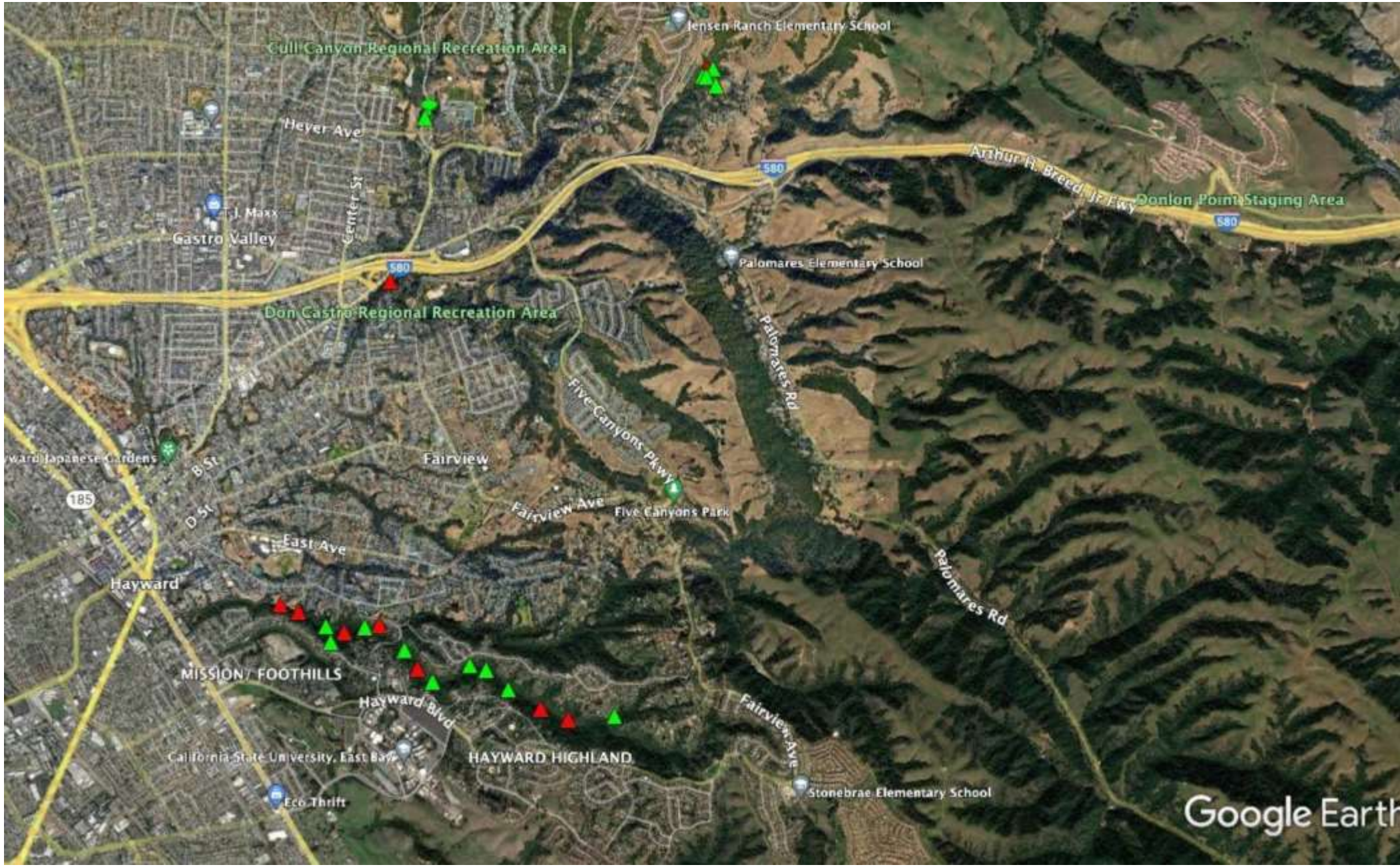


Sibley Huckleberry

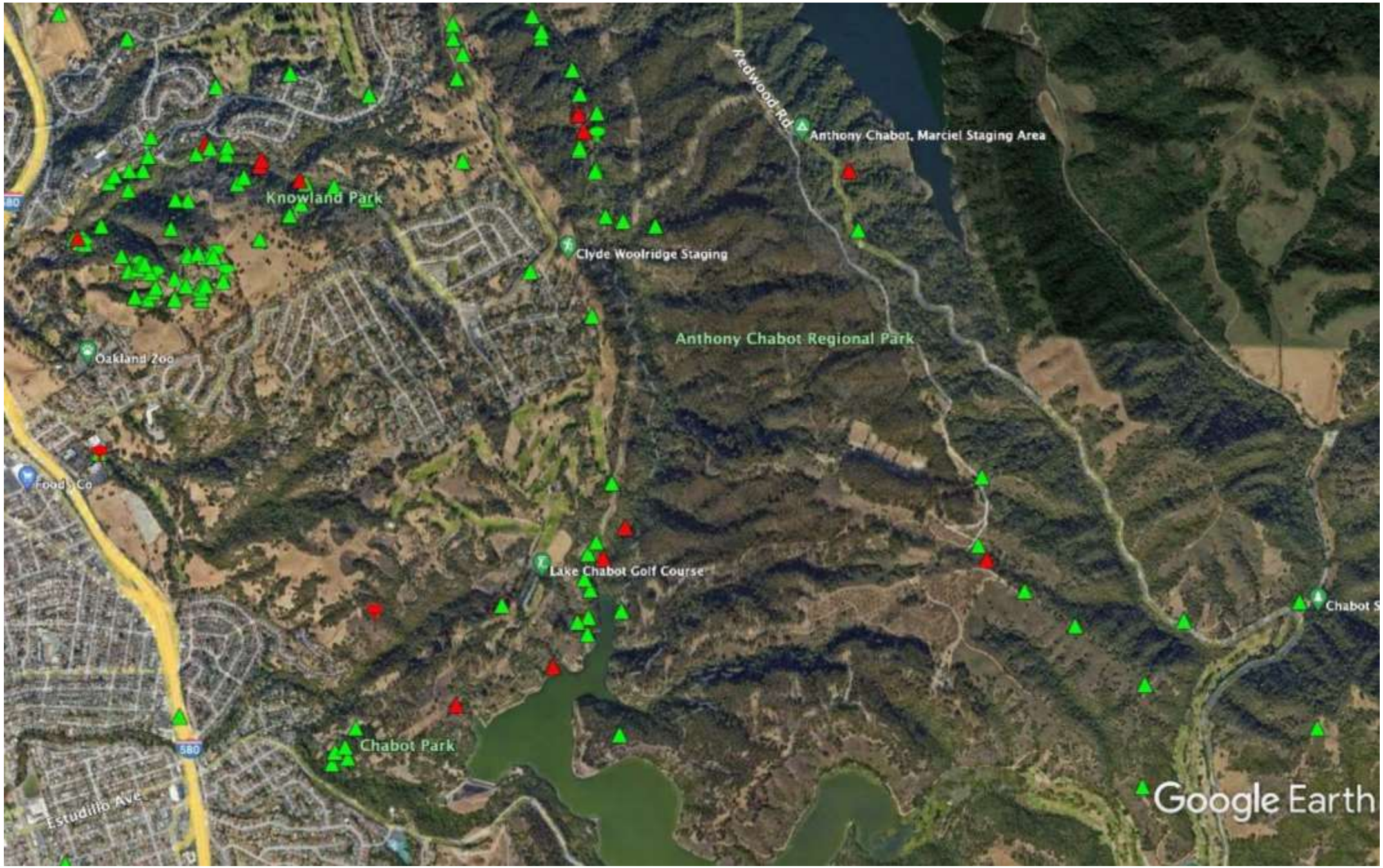
Joaquin Miller
Shepherd Cnyn



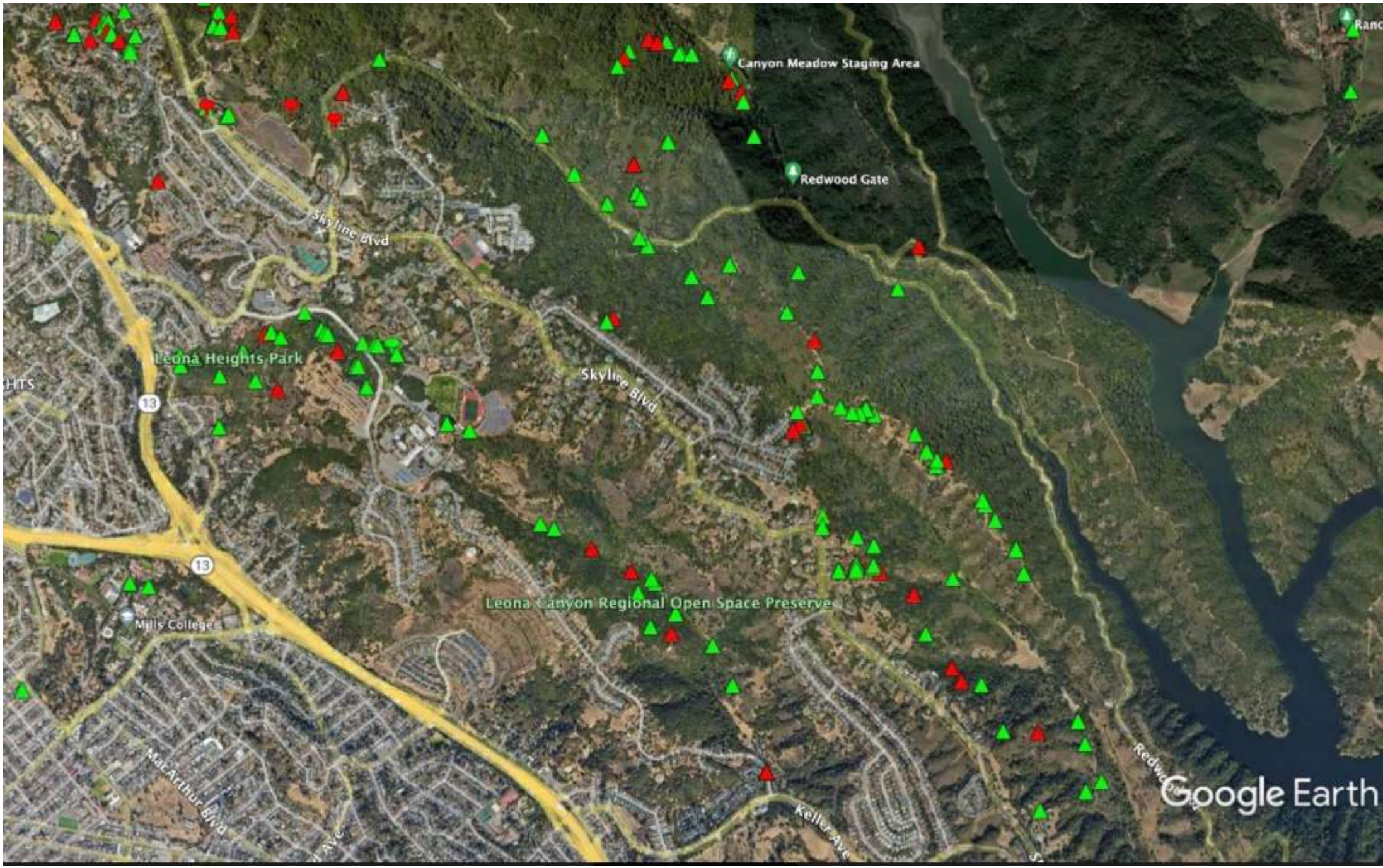
Cull canyon
Hayward



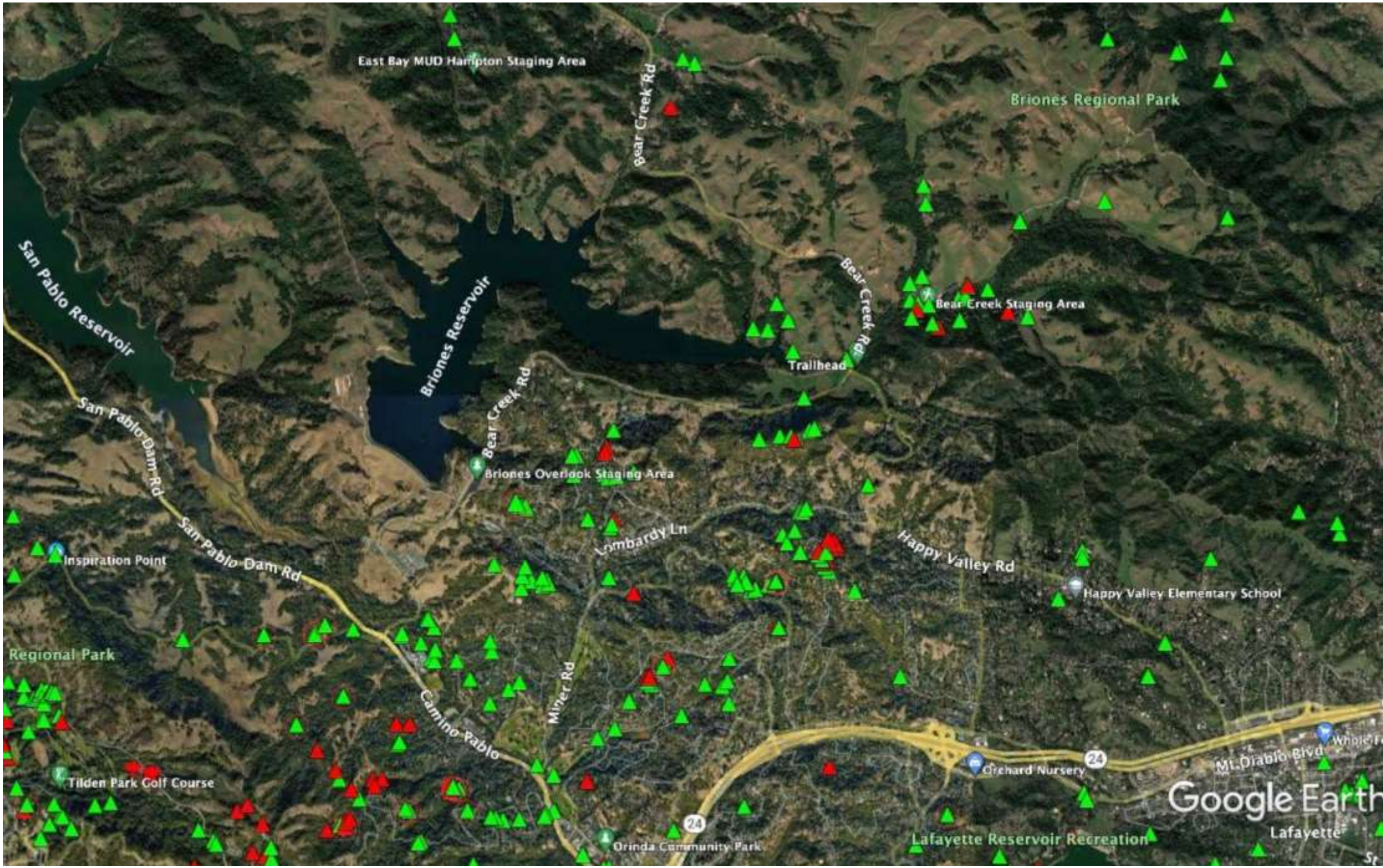
Knowland
Chabot



Leona Heights
Leona Canyon
Redwood St Pa



Briones


East Bay MUD Hampton Staging Area
Bear Creek Rd
Briones Regional Park
San Pablo Reservoir
Briones Reservoir
Bear Creek Rd
Bear Creek Staging Area
Trailhead
Bear Creek Rd
San Pablo Dam Rd
Briones Overlook Staging Area
Lombardy Ln
Happy Valley Rd
Inspiration Point
San Pablo Dam Rd
Happy Valley Elementary School
Regional Park
Miner Rd
Camino Pablo
Orchard Nursery
24
Mt Diablo Blvd
Tilden Park Golf Course
Google Earth
Orinda Community Park
24
Lafayette Reservoir Recreation
Lafayette

Piedmont
Monclair
Glenview