

Lisa Mangat, Director  
California Department of Parks and Recreation  
1416 9<sup>th</sup> Street  
Sacramento, CA 95814

July 13, 2016

Dear Ms. Mangat,

In light of the Department's mission and the Transformation Team's strategic goals to protect and enhance natural resources and to partner, and the fact that many trees at Torrey Pines State Natural Reserve are dying, I'd like to offer free volunteer labor to investigate whether anything, in addition to drought and beetles, might be contributing to their deaths.

I am a retired licensed landscape architect with degrees in natural resource management and landscape architecture and currently a volunteer docent at Torrey Pines giving public nature walks.

Here's what I propose:

- Meet with appropriate State Parks staff to determine what should be analyzed and how,
- Collect soil, root, tree, and/or needle samples and send to a lab for analysis,
- Discuss and analyze the lab results with appropriate professionals,
- Prepare a report of findings within 3 months.

I ask that the State pay the cost of the lab tests which are usually \$25 each. The total effort may take around 12 tests, meaning the cost to the State would be around \$300. If this effort could save just one tree, it would be well worth it. Guy Fleming would certainly jump at this offer!

Sincerely,

Dale Williams



Email: [dwill4@gmail.com](mailto:dwill4@gmail.com)

Phone: (530) 350-0123