

Steam, Solarization, and Tons of Prevention: The San Francisco Public Utilities Commission's Fight to Contain Phytophthoras in San Francisco Bay Area Restoration Sites¹

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Abstract

To compensate for unavoidable impacts associated with critical water infrastructure capital improvement projects, the San Francisco Public Utilities Commission (SFPUC) restored over 2,050 acres of riparian, wetland, and upland habitat on watershed lands in Alameda, Santa Clara, and San Mateo Counties. Despite strict bio-sanitation protocols, plant pathogens (*Phytophthora* spp.) were detected at multiple restoration sites on SFPUC lands. SFPUC staff will provide an overview of various treatments employed to contain and treat the pathogens using multiple *in-situ* treatment techniques including soil solarization, steam injection, and microbial antagonism.

¹ A version of this paper was presented at the Sixth Sudden Oak Death Science Symposium, June 20-23, 2016, San Francisco, California.

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