

Why Are Coast Redwood And Giant Sequoia Not Where They Are Not?

W. J. Libby, Emeritus Professor, Forestry & Genetics, U. of California, Berkeley; Home address 28 Valencia Rd., Orinda, CA 94563; Ph 925 376 5896; email William.libby0@gmail.com

Models and other kinds of information are being developed to anticipate where these two species may fail, where they may continue to thrive, and where they may colonize, given changes in climate and other elements of the environment. Important elements of such predictions, among others, are photoperiod; site qualities; changes in levels and yearly patterns of temperature, wind, fog and precipitation; the effects of these on interactions with other biota at each site; the effects of changes in fire frequency and intensity; the availability of seed vectors; and the effects of human activity. Examples will be presented, with focus on fire and human activity.