



## Listening for June Beetle Larvae Feeding in Silver Manzanita Roots near Santa Cruz, CA

An endangered species of June beetle was the subject of this one day acoustic survey performed on Oct 1, '02 near Santa Cruz, CA with entomologists from San Jose St. Univ. The particular species of beetle is known to exist in a limited geographic habitat in sandy soil populated with Ponderosa Pine trees and Silver Leaf Manzanita. The larvae are suspected to feed on the root systems of these two species, primarily.

In this experiment in a protected habitat area, the AED-2000 with the low frequency SP-1 probe was used to listen to a Silver Leaf Manzanita bush. A lag bolt was threaded into a bored hole in the plant stem to act as an acoustic waveguide, and attachment point for the magnetic tip on the SP-1 probe. Click on the icon below to hear the sounds of suspected larval feeding on the root system. Since digging was not permitted, the exact species and distribution of the feeding insects was not verified in this case.

