

Kerikeri Redwoods
visual inspection of canopy decline
30/3/21



To whom it may concern,

I was engaged by Alfred from Recreational Services to put a few concerns into context regarding both stands of redwoods (*sequoia sempervirens*) located at Wendywood lane and Hawkings crescent Kerikeri.

Starting first with the large stand at Wendywood lane, a tree report was written by Roger Gale on the 1/09/2020 outlining the need for urgent action within this stand, his recommendations were air spading and mulch.

He highlighted that the trees were showing poor vigour, some were really sick with extensive epicormic growth along the side of new worlds car park in Kerikeri.

The car park contributes to a major loss of root zone for these trees and has certainly triggered serious decline in some of the trees along this stand.

Airspading is an option as Roger suggested to aid in helping these trees recover, it is a useful tool that aids in breaking up compounded soil and then adding organic matter deep in the soil profile where micro-organisms can help break down so the trees feeder roots can feed on them creating a healthier environment.

This option would require diverting the foot traffic ideally with a foot bridge/boardwalk and possibly fencing to direct pedestrians.

The cost for the air spading be around \$4500.00 and would also require a quality mulch with additions such as humate to be placed along the airspaded lines. This would be for high foot traffic areas along the Wendywood stand only.

However, I feel that regardless of intervention at this point some of these trees will continue to decline and removal will still be required in the future.

The Hawkings crescent redwoods are the healthiest of the stands. A crown lift was carried out last year by the retirement village, my suggestion would be to monitor the dead wood above the walkway and mulch the path with a good tree mulch to help reduce the foot traffic compounding the soil profile.

I feel that most of these trees can be retained if the council acts on advice from arborists like Roger and provide ongoing monitoring and maintenance, with dead wooding and mulching.

I am happy to meet onsite and discuss any of this if needed.

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