

## EPIPHYTES ON *PINUS RADIATA* TREES AT WEHEKA, WESTLAND

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Californian botanists who know *Pinus radiata* in its rather dry native habitats on the Monterey Peninsula would probably be amazed to see the rich variety of vascular epiphytes that this species can harbour in wetter parts of New Zealand. Here is a list of epiphytic ferns and angiosperms from two old *P. radiata* trees not far west along the Gillespies Beach road from the main road at Weheka (Fox Glacier township).

FERNS	TREE A	TREE B
<i>Asplenium flaccidum</i>	+	+
<i>A. polyodon</i>	-	+
<i>Hymenophyllum</i> cf. <i>flabellifolium</i>	-	+
<i>H. villosum</i>	-	+
<i>Phymatosorus diversifolius</i>	+	+
<i>Polystichum vestitum</i>	-	+
<i>Pyrrosia eleagnifolia</i>	+	+
<i>Rumohra adiantiformis</i>	-	+
ANGIOSPERMS		
<i>Astelia solandri</i>	+	+
<i>Dendrobium cunninghamii</i>	+	-
<i>Earina mucronata</i>	+	+
<i>Griselinia littoralis</i>	+	+
<i>G. lucida</i>	+	-
<i>Muehlenbeckia australis</i>	+	-
<i>Myrsine australis</i>	-	+
<i>Pseudopanax colensoi</i>	-	+
<i>Rubus cissoides</i>	+	-
<i>R. schmidelioides</i>	+	-
<i>Weinmannia racemosa</i>	-	+

*Pinus radiata* bark appears to have good properties as a substrate for plant propagation on the tree and off it!