

# Roland Payne



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BIRTH: Christchurch, New Zealand — 10 July 1977  
ADDRESS: 16 Crown Street, North East Valley, Dunedin, New Zealand

- Field Botanist (vascular and non-vascular plants) since 2004 with NZFS and Golder Associates.
- Measurement of > 1000 monitoring plots.

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## Work Experience

DEC 2009		<i>Field Technician</i> , Golder Associates
–FEB 2005		Botanist with expertise in the investigation and description of vegetation communities, the evaluation of habitat quality and conservation values. Lower plants, generalist bird monitoring and terrestrial fauna surveys.
<i>Current</i>		<i>Field Technician</i> , New Zealand Forest Surveys
–FEB 2004		Seasonal work surveying forests, including botanical survey, stand measurement, tree coring and foliage assay.

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## Education

2004 BSc in GEOGRAPHY, **Canterbury University**, Christchurch, New Zealand

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## Plot Measurement Experience

Surveys of exotic and native forests to assess their ecological values base, including seven years working as a field botanist and terrestrial ecologist for Golder Associates, Kingett Mitchell and NZ Forest Surveys. Roland has measured more than one hundred 20 m × 20 m vegetation monitoring plots including South Westland, Whirinaki, Fiordland and the Chatham Islands with NZFS. Work involved stem diameter measurements, seeding subplot measurements, and completing RECCE plot sheets as well as conducting foliage browse assessments, tree coring, and collecting and measuring photosynthesis rates of leaves.

Roland has worked for Kingett Mitchell Ltd (later to become Golder Associates) in Auckland, conducting surveys of native forest remnants, wetlands, coastal and riparian areas and geo-thermal sites. Roland established over 500 plots in these surveys, and mapped in detail hundreds of areas of native and exotic vegetation. For example, assessing >300 native forest remnants on private land throughout the Manawatu region for the Horizons Regional Council. Coordinating and conducting a survey of 210 randomly located 5 m<sup>2</sup> plots on a coastal escarpment at Pakiri to determine stem density, vegetation cover and vegetation condition for Auckland Regional Council. Recce plots throughout various habitat types within the Ardmore training area to determine whether the vegetation was ecologically significant enough to be worthy of Significant Natural Area status. Annual vegetation and lichen health monitoring at 25 permanent plots around Huntly power station. Throughout his three and half years at Kingett Mitchell and Golder Associates Roland also worked as part of a team of ecologists providing specialised botanical assessments as part of detailed interdisciplinary reports on development projects including quarries, motorways, schools and wind farms.

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## Referee

Dr Ian Boothroyd, **Golder Associates New Zealand**, Takapuna, Auckland  
*Supervisor - vegetation survey* —iboothroyd@golder.co.nz

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