



## *Caladenia nothofageti*

### Common Name(s):

Beech Caladenia

### Current Threat Status (2012):

Not Threatened

### Distribution:

Endemic. North and South Islands. In the North present from about Lake Taupo south.

### Habitat:

Lowland to montane (up to 1000 m a.s.l.). Virtually confined to beech (*Nothofagus* Blume) forest where it favours well-lighted sites relatively free from other taller plants. Often found on banks or lining track sides. Sometimes found around the margins of seepages.

### Features\*:

Solitary, hirsute, terrestrial, tuberous herb. Leaf semi-erect, 40-180 x 1-3 mm, bright green, narrowly linear, sparsely glandular pubescent. Flowering scape, slender, wiry, 50-100 mm tall, green, glandular-pubescent. Sterile bracts closely sheathing, 8-10 x 2-3 mm, oblong-lanceolate, obtuse to acute, externally glandular-pubescent; fertile bracts closely sheathing, 5.0-7.0 x 2.0-2.5 mm, lanceolate, externally glandular pubescent. Ovary, 6-8 mm long, narrowly ellipsoid, green, glandular-pubescent. Flower unscented, usually solitary, 14-16 mm diameter, externally greenish-white, internally white. Tepals externally sparsely glandular; dorsal sepal erect and slightly incurved; lateral sepals porrect to obliquely decurved, slightly divergent; petals spreading to drooping. Dorsal sepal 8.0-9.5 x 2.0-3.0 mm, narrowly obovate, obtuse. Lateral sepals 8.0-9.5 x 2.3 mm, narrowly oblanceolate, slightly falcate, obtuse. Petals 8.0-9.0 x 2.2 mm, falcate, subacute. Labellum white (very rarely with faint pink transverse bars), articulated on a short 0.3 x 0.7 mm claw, trilobed. Lamina transversely ovate in outline when flattened, 5.5-6.5 x 5.0-5.5 mm, erect in proximal third, porrect to decurved in distal two-thirds, apex decurved; lateral lobes 2.3 mm wide, erect and column-embracing, entire; mid-lobe 3 mm long, oblong-tapered; margins cream to pale yellow, with 4-6 pairs of flat marginal calli to 0.8 mm long, these decrescent and irregular towards apex. Lamina calli pale yellow, in 2 rows extending onto the base of the mid-lobe. Basal calli 2-4, stipitate; head ovoid or bifurcate, c.0.6 mm diameter, papillate. Longest lamina calli 1 mm long, stipitate; head 0.2 mm diameter, papillate. Column 5.5-6.0 x 2.5 mm, green, shallowly incurved, narrowly winged; central anterior ridge c.1 mm wide. Anther c.1.3 x 1.3 mm, cream, papillate, with a short rostrum. Pollinia 4, 1 mm long, flat, white, mealy, incoherent. Stigma semi-circular, 1 mm diameter sunken. Capsule erect 10.2-12.0 mm long, ovoid to ovoid-ellipsoid, green often with purple stripes

### Flowering:

November - January

### Fruiting:

January - April

### Threats:

Not Threatened

### \*Attribution:

Fact Sheet prepared for NZPCN by P.J. de Lange 14 April 2007. Description modified from Jones et al. (1997).

### References and further reading:

Hopper, S.D.; Brown, A.P. 2004: Robert Brown's *Caladenia* revisited, including a revision of its sister genera *Cyanicula*, *Ericksonella* and *Pheladenia* (Caladeniinae: Orchidaceae). *Australian Systematic Botany* 17: 1-240.

Jones, D.L.; Molloy, B.P.J.; Clements, M.A. 1997: Three new species and a new combination in *Caladenia* R.Br. (Orchidaceae) from New Zealand. *The Orchadian* 12: 221-229.

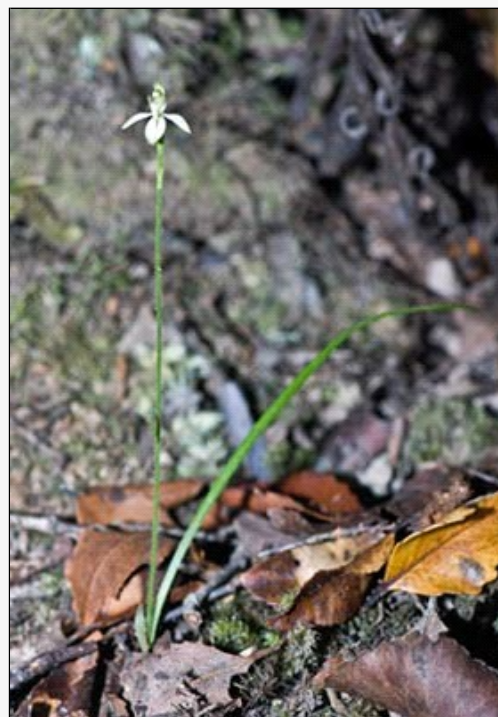
Jones, D.L.; Clements, M.A.; Sharma, I.K.; Mackenzie, A.M. 2001: A New Classification of *Caladenia* R.Br. (Orchidaceae). *The Orchadian* 13: 389-419.

Moore, L.B.; Edgar, E. 1970: Flora of New Zealand. Vol. II. Government Printer, Wellington.

Rogers, R.S. 1924: *Petalochilus*: a New Genus of New Zealand Orchids. *Journal of Botany* 62: 65-67.

### For more information, visit:

[http://nzpcn.org.nz/flora\\_details.asp?ID=1108](http://nzpcn.org.nz/flora_details.asp?ID=1108)



**Caption:** Upper Hutt. Dec 2007.  
**Photographer:** Jeremy Rolfe



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