

SPECIES LISTS ADDITIONS

E.K. Cameron

1. Lake Ototoa (see Mackinder 1984)

Glossostigma submersum in Tanner et al 1986Lilacopsis lacustris in Tanner et al 1986.

2. Great Barrier (see Bartlett & Gardner 1983)

Austrofestuca littoralis Cameron, 23 March 1986, AKU 19604Juncus sarophorus Dumbell, 14 August 1986, AKU 19343.

REFERENCES

Bartlett, J.K. & R.O. Gardner. 1983. Flora of Great Barrier Island. Auck. Bot. Soc. Bulletin No. 14.Mackinder, J. 1984. Some botanical notes on Lake Ototoa, South Head, Kaipara. Auck. Bot. Soc. Newsletter 39(2): 25-29.Tanner, C.C., J.S. Clayton & L.M. Harper. 1986. Observations on aquatic macrophytes in 26 northern New Zealand lakes. N.Z. Jl. Bot. 24(4): 539-551.

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ROOT GRAFTING IN PURIRI

R.E. Beaver

On a recent visit to Twin Kauri Scenic Reserve near Tairua, I noticed an old stump near the entrance stile. The horizontal cut surface was eroded and partially covered with Paesia scaberula and juvenile Blechnum filiforme, and two young putaputaweta (Carpodetus serratus) had even established in a pocket of rotting wood. Despite its age, which I would guess to be at least 50 years, the stump was nevertheless easily recognisable as being that of puriri (Vitex lucens). What particularly caught my eye however was the bark which, in contrast to the top surface of the stump, looked surprisingly fresh. On scratching it I found that it was indeed still alive! I suggest that the explanation for this curiosity is that the stump is connected to adjacent trees by natural root grafts. Any or all of three nearby puriris are probably involved. At 950 to 1000 mm d.b.h. these are of similar size to the stump tree (700 mm diameter at knee height) and all three are within 5-7 m of the