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10. References

- Amokura: quarterly bulletin of the Northland/Far North Regions of the Ornithological Society of New Zealand. (1991-2000). *Northland lakes bird counts* (various authors).
- Bartlett, J.K. (1980). New and significant plant distribution records from northern New Zealand. *New Zealand Journal of Botany* 18: 347–351.
- Burns, N.M.; Rutherford, J.C. (1998). Results of monitoring New Zealand lakes 1992-1996. Volume 1 - General findings. NIWA Client Report for Ministry for the Environment No. MFE80216.
- Cameron, E.K.; Jones, S.; Wilcox, M.D.; Young, M.E. (2001). Flora and vegetation of Pouto Peninsula, North Head of Kaipara Harbour, Northland, New Zealand, 26-29 January 2001: 38-51.
- Champion, P.D.; Clayton, J.S.; de Winton, M.D. (1993). Study on *Hydatella inconspicua* seed production, germination and maintenance of habitat in the Northland dune Lakes. NIWA Consultancy Report DOC001, Hamilton.
- Champion, P.D.; Clayton, J.S. (2000). Border control for potential aquatic weeds. Stage 1 Weed risk model. *Science for Conservation* 141. Department of Conservation, Wellington.
- Champion, P.D.; Burns, N. (2001). Lake Omapere: Current understanding of ecological condition with short- and long-term management options. NIWA Client Report MFE01231, Hamilton.
- Champion, P.D.; Williams, E.; Chisnall, B. (2001). Lake Manchurian wild rice - Ecological impact, herbicide trial, and non-target effects of the herbicide Gallant® NIWA Client Report NRC00202, Hamilton.
- Champion, P.D.; Dugdale, T.M.; Taumoepeau, A.T. (2002). The aquatic vegetation of 33 Northland lakes. NIWA Client Report NRC01203, Hamilton.
- Champion, P.; Wells, R.; Matheson, F.; Winton, M. (2005). Northland Lakes Assessment 2004/05, NIWA Client Report: HAM2005-113, NRC05215 Northland Regional Council, 265 pp.
- Champion, P.D. (2006). Ecology and management of royal fern (*Osmunda regalis*) in the Lower Waikato/Hauraki. NIWA Client Report HAM2006-021, Hamilton, 39 pp.

- Clayton, J.S. (1983). Sampling aquatic macrophyte communities. *In*: Biggs, B.J.; Gifford, J.S.; Smith, D.G. (eds.) *Biological methods for water quality surveys*. Water and Soil Miscellaneous Publication 54, Wellington, Ministry of Works and Development.
- Clayton, J.S.; Edwards, T. (2002). LakeSPI: A method for monitoring ecological condition in New Zealand Lakes. User Manual, Version One. NIWA Client Report HAM2002-012, Hamilton.
- Clayton, J.; Edwards, T. (2006). Aquatic Plants as Environmental Indicators of Ecological Condition in New Zealand Lakes. *Hydrobiologia* 570, No. 1: pp147 - 151.
- Conning, L.; Holland, W. (2003). Natural areas of Aupouri Ecological District. NZPNAP, Department of Conservation, Whangarei.
- Connor, H.E. (1977). The poisonous plants of New Zealand. Government Printer, Wellington.
- Rowe, D.K.; Chisnall, B.L. (1997). Distribution and conservation status of the dwarf inanga *Galaxias gracilis* (Teleostei: Galaxiidae) an endemic fish of Northland dune lakes. *Journal of the Royal Society of New Zealand* 27(2): pp 223-233.
- de Lange, P.J.; Norton, D.A.; Courtney, S.P.; Heenan, P.B.; Barkla, J.W.; Cameron, E.K.; Hitchmough, R.; Townsend, A.J.; (2009). Threatened and uncommon plants of New Zealand (2008 revision). *New Zealand Journal of Botany* 47: 61-96.
- Dugdale, T.M.; Champion, P.D. (2001). The submerged vegetation of Manuwai and Waingaro reservoirs. NIWA Consultancy Report SCJ01201, Hamilton.
- Forester, L.; Townsend, A. (2004). Threatened plants of Northland Conservancy. Department of Conservation, Wellington.
- Heenan, P.B. (1998). *Mazus novaezeelandiae* (Scrophulariaceae): taxonomy, distribution, habitats, and conservation. *New Zealand Journal of Botany* 36: 407-416.
- Hitchmough, R.; Bull, L.; Cromarty, P. (compilers). (2007). New Zealand Threat Classification System lists—2005. Wellington, Department of Conservation. 194 p.
- Hofstra, D.E. (2002). *Ceratophyllum demersum*. NIWA Client Report DOC02247, Hamilton.

- Johnstone, I.M.; Coffey, B.T.; Howard-Williams, C. (1987). The role of recreational boat traffic in interlake dispersal of macrophytes: a New Zealand case study. *Journal of Environmental Management* 20: 263-279.
- Joynt, P.; Newby, L. (1998). Kaipara District Manchurian rice grass management plan. Northland Regional Council, Dargaville.
- Kerr, V. (2000). Dwarf inanga *Galaxias gracilis* draft recovery plan. Department of Conservation, Whangarei.
- Kokich, D.C. (1991). Kai iwi – Pouto dune lakes water resources. Northland Regional Council, Whangarei.
- MAF Biosecurity Authority (Protect New Zealand). (2002). National Pest Plant Accord <http://www.maf.govt.nz/biosecurity/pests-diseases/plants/accord.htm>
- Matheson, F.; Dugdale, T.; Wells, R.; Taumoepeau, A.; Smith, J. (2004). A new method to sterilise freshwater fishing nets. *Water & Atmosphere* 12(3): p 17.
- Richardson, J. (2005). Freshwater fish and koura in Northland lakes and wetlands. NIWA Consultancy Report NRC05215, Hamilton.
- Rowe, D.K.; Champion, P.D.; de Winton, M.D. (1999). Lake management trials for dwarf inanga (*Galaxias gracilis*) and a rare plant (*Hydatella inconspicua*) in Northland dune lakes. NIWA Consultancy Report DOC90202, Hamilton.
- Salmon, B. (2001). Carnivorous Plants of New Zealand. *Ecosphere Publications*, Auckland.
- Tanner, C.C.; Clayton, J.S.; Harper, L.M. (1986). Observations on aquatic macrophytes in 26 northern New Zealand lakes. *NZ Journal of Botany* 24: 539-551.
- Tanner, C.C.; Clayton, J.S.; Wells, R.D.S. (1988). The distribution, biology, habitat and conservation status of the endangered aquatic plants *Hydatella inconspicua* and *Myriophyllum robustum*; with recommendations for future management. MAF Aquatic Plants Section unpublished report.
- Webb, C.J.; Sykes, W.R.; Garnock-Jones, P.J. (1988). Flora of New Zealand. Vol. IV. Botany Division, DSIR, Christchurch.
- Wells, R.D.S.; de Winton, M.D.; Clayton, J.S. (1999). Successive macrophyte invasions within the submerged flora of Lake Tarawera, Central North Island, New Zealand. *NZ Journal of Marine and Freshwater Research* 31: 449-459.

Wells, R.D.S.; Taumoepeau, A.T. (2003). Weed control using diquat in Lake Wiritoa, Wanganui. NIWA Client Report HAM2003-031, Hamilton.

Wells, R.; Bodmin, K. (2008). Kai-iwi Lakes Aquatic Weed Strategy NIWA Client Report: HAM2008-180; KDC09201; 30 pp.