

Erratum

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ERRATUM

Murphy (2006) mistakenly reported that, “An eruption in the vicinity of Lake Taupo, New Zealand in 1881, is estimated to have ejected between 30 – 50 km³ of debris in just a few minutes”.

This statement confuses the two separate eruptions of the Taupo Volcanic Zone:

- (1) the 1886 eruption of Mt. Tarawera (in the vicinity of Lake Rotorua), that ejected about 2 km³ of debris (White et al. 1997) in “only 4 hr” (Cole 1970), and
- (2) the 200 BC eruption of a vent or vents now submerged beneath Lake Taupo which ejected 30 to 100 km³ (Houghton et al. 1995) of debris and lasted between several days and several weeks (Wilson and Walker 1985).

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REFERENCES

- Cole, J.W., 1970, Structure and eruptive history of the Tarawera volcanic complex: *New Zealand Journal of Geology and Geophysics*, v. 13, p. 879-902.
- Houghton, B.F., Wilson, C.J.N., McWilliams, M.O., Lanphere, M.A., Weaver, S.D., Briggs, R.M. and Pringle, M.S., 1995, Chronology and dynamics of a large silicic magmatic system; central Taupo volcanic zone, New Zealand: *Geology*, v. 23, p. 13-16.
- Murphy, J.B., 2006, *Igneous Rock Associations 7. Arc Magmatism I: Relationships between subduction and magma genesis: Geoscience Canada*, v. 33, no. 4, p. 145-167.
- White, J.D.L., Houghton, B.F., Hodgson, K.A. and Wilson, C.J.N., 1997, Delayed sedimentary response to the A.D. 1886 eruption of Tarawera, New Zealand: *Geology*, v. 25, p. 459-462.
- Wilson, C.J.N. and Walker, G.P.L., 1985, The Taupo eruption, New Zealand I. General aspects: *Philosophical Transactions of the Royal Society of London*, series A, v. 314, no. 1529, p. 199-228.

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