

# Diamond Exploration and Resource Evaluation of Kimberlites

**Kjarsgaard et al. (2019) Elements 15: 411-416**

## Methodology of data presented in Figure 2

Methodology:

- The Kirkland Lake mantle xenolith mineral chemistry data is from Meyer et al. (1994) and Vickers (1997)
- P-T determinations for each xenolith was calculated using PTexcel. The Kirkland Lake Cr-pyrope garnet xenocryst Ni data and derived Ni-in-garnet temperatures for the A4, C14 and B30 kimberlites is from Griffin et al. (2004).

Citations:

Griffin WL and 7 co-authors (2004) Lithosphere mapping beneath the North American Plate. *Lithos* 77: 873-922.

Meyer HOA, Waldman MA, Garwood BL (1994) Mantle xenoliths from kimberlite near Kirkland Lake Ontario. *Canadian Mineralogist* 32: 295-306

Vickers PA (1997) Garnet peridotite xenoliths from near Kirkland Lake, Canada. M.Sc. thesis, University of Toronto.