

**Acknowledgement**  
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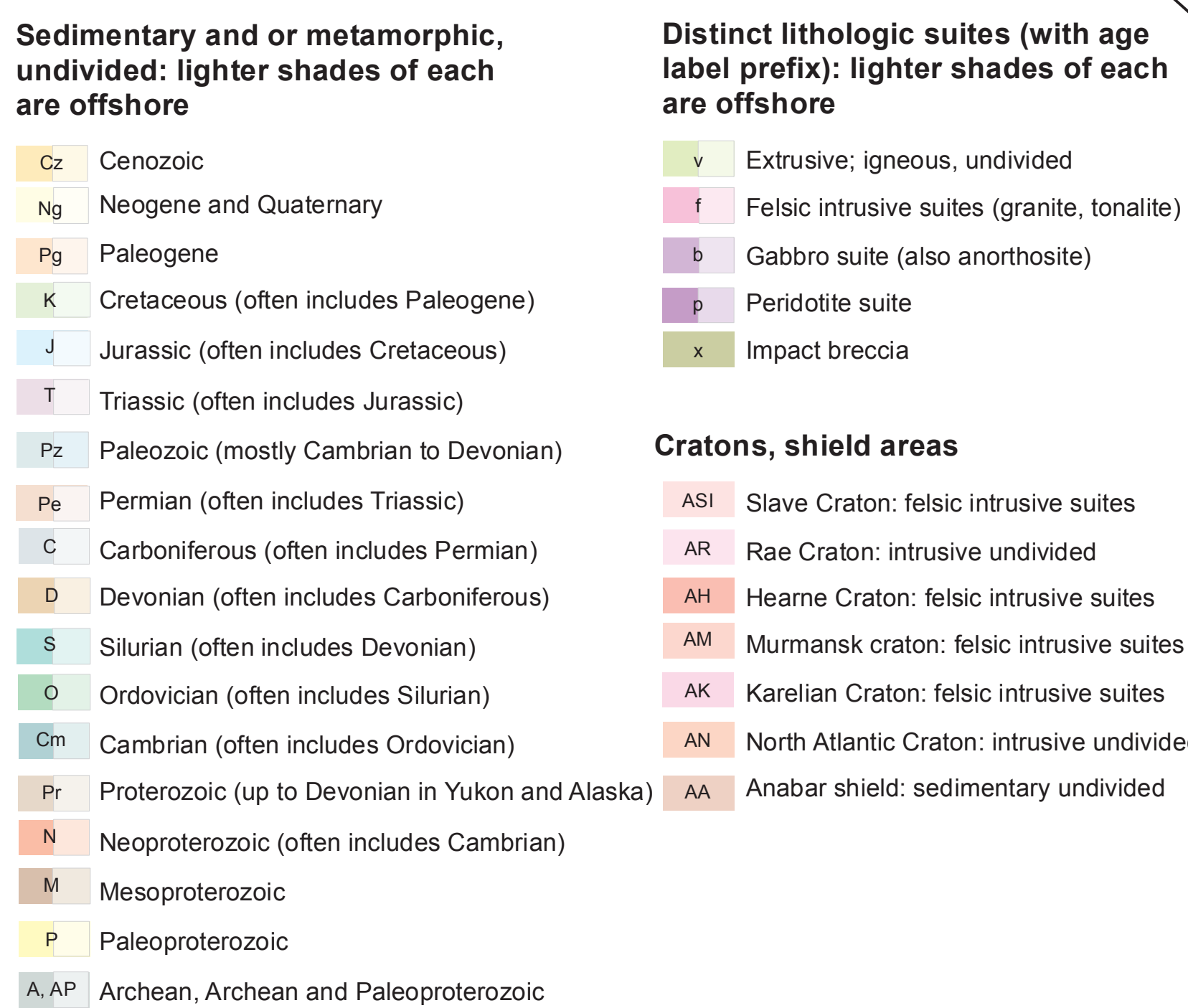
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Nordahl, B., Harrison, C.J., Jarna, A. & Solli, A., 2016: Metal and mineral deposits of the Arctic, scale 1:5 000 000, Geological Survey of Norway.



- ★ Diamonds
- ▲ Hydrothermal fields
- Energy metals: U, Th
- Precious metals: Ag, Au, Pd, Pt, Rh
- Special metals: Be, Li, Mo, Nb, REE, Sc, Sn, Ta, W, Zr
- Base metals: Al, Co, Cu, Ni, Pb, Zn
- Ferrous metals: Cr, Fe, Mn, Ti, V

- ☆ Active mine
- ☆ No mine
- Very large with active mine
- Very large
- Large with active mine
- Large
- Potentially large with active mine
- Potentially large

----- Ridge  
----- Transform fault



The Database

The database for metals follows the FODD model which can be viewed and explained using the sources listed above. Legal requirements and the need to deal with the soil as the source of contamination have produced unexplained variations in the availability of data on specific deposits. Data on reserves in the deposits in Russia and on the plans for their remediation are available as the Russian Government has been very forthcoming. However, data on the production of metals have been made available to the project. Data on the production in the United Kingdom have been made available, but this is not possible for the rest of the total original tonnages and grades of deposits which have been in production for many years. The FODD classification "Potentially Large" category of deposits is used to indicate that the data are not available; information clearly indicates the overall size of a deposit though without detailed information on tonnage and grades. This category also includes deposits which are not included in the FODD classification, but are available only for specific intersections but for which more general information gives clear indications of a major tonnage.

The database for products follows the FODD model. Large deposits are included in a simplified FODD structure. The Prokhorov classification (in certain deposits) was used and the "cut-off" to 10 million carats. Hydrocarbons and deposits of coal, oil and gas are not included, as shown, but not classified, as their grades and tonnages are not known. Most of the data are taken from the InterGrEx Vents Database.

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