

## Graphite deposits of Norway; a review

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There are 4 main graphite provinces in Norway and the Geological survey of Norway have the last 6 years conducted airborne geophysical surveys with EM, RAD and MAG. over all the potential graphite provinces of Norway. (Rodionov et al. 2013a,b & 2014)

1. The Island of Senja, here we have the Skaland graphite mine at Trælen Europe's largest producer of natural graphite and the world's richest flake graphite mine in current production. .
2. The Lofoten-Vesterålen archipelago. The new airborne geophysics identified a number of new EM anomalies, found to be new unknown graphite prospects. The extent of known prospects was determined with new accuracy.
3. The Holandsfjord area. The abandoned Rendalsvik mine and the nearby Nord-Værnes mine, have been investigated with mapping and ground and airborne geophysics.
4. The Bamble area of southern Norway. In this area there are large areas with supracrustal rocks with a graphite content of 2-6 %.

All the Norwegian graphite occurrences are of flake graphite type and occur in Proterozoic supracrustal rocks of high amphibolite or granulite facies metamorphic conditions. In general they are deformed in a complex manner. Many of the occurrences show high, (> 15%) content of graphitic carbon.

### References:

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