Porphyry copper deposits are copper ore bodies that are formed from hydrothermal fluids that originate from a voluminous magma chamber several kilometers below the deposit itself. Predating or associated with those fluids are vertical dikes of porphyritic intrusive rocks from which this deposit type derives its name. In later stages, circulating meteoric fluids may interact with the magmatic. Large copper deposits of this type are found in mountainous regions of western North America and in the Andes mountains of South America. Chalcopyrite serves as the copper source for many secondary mineral deposits. Copper is removed from chalcopyrite by weathering or solution, transported a short distance, then redeposited as secondary sulfide, oxide, or carbonate minerals. Many malachite, azurite, covellite, chalcocite, and cuprite deposits contain this secondary copper. Nov 20, 2021: Geologists use the term porphyry only with a word in front of it describing the composition of the groundmass. This image, for instance, shows an andesite porphyry.

Chalcopryte: Mineral Uses and Properties - Geology
Chalcopyrite serves as the copper ore source for many secondary mineral deposits. Copper is removed from chalcopyrite by weathering or solution, transported a short distance, then redeposited as secondary sulfide, oxide, or carbonate minerals. Many malachite, azurite, covellite, chalcocite, and cuprite deposits contain this secondary copper.

Camino Management Visits Local Community at Maria Cecilia
Nov 02, 2021: The mineralogy at Maria Cecilia is situated within Cretaceous sedimentary geology that host an epithelial and porphyry metatgenetic belt considered prospective for ... Geologists use the term porphyry only with a word in front of it describing the composition of the groundmass. This image, for instance, shows an andesite porphyry. In addition, TCM is investigating the potential for a deep copper porphyry deposit within its extensive land holdings.

Uses of Copper | Supply, Demand, Production, Resources
Porphyry copper deposits, which are associated with igneous intrusions, yield about two-thirds of the world’s copper and are therefore the world’s most important type of copper deposit. Large copper deposits of this type are found in mountainous regions of western North America and in the Andes Mountains of South America.

Brixton Metals Drills Copper Porphyry for 821m of 0.40%
A New Copper-Gold Porphyry Discovery in the Golden Triangle. Discovery hole BR21-001 has intersected 331m of 0.71% CuEq starting at surface including 146m of 1.00% CuEq.

Pebble Mine - Wikipedia
The copper ore is a calc-alkali porphyry copper-gold-molybdenum deposit. The ore body extends from the surface to at least 1,700 metres (5,600 ft) depth. In the western part of the orebody, mineralization occurs in a complex of several small granodiorite cupolas, diorite ...

NorthWest Copper Corp. | Home
NorthWest Copper Announces Additional High-Grade Cu-Au Porphyry Results From Multiple Holes at Kwanika Including 100.5 Metres of 1.91% CuEq and 71.90 Metres of ...

Historic squeeze shows just how tight the copper supply
Oct 28, 2021: The mid-Tertiary porphyry copper belt of northern Chile is host to three of the world’s top five copper mining districts: Collahuasi, Chuquicamata and Escondida. The adjacent Paleocene mineral belt also hosts a series of important porphyry copper deposits such as ...

STONE IN ANCIENT EGYPT - University of Toledo
Professor of Geology, Department of Environmental Sciences The plutonic igneous and metamorphic rocks are also the source of much of ancient Egypt’s gold, copper, silver, tin, and some iron and lead, with sedimentary rocks supplying additional copper, iron and lead. Roman period – andesite-dacite porphyry, granite, granodiorite

Resource Base completes first geophysical survey at Black
Nov 18, 2021: IP surveys are used in the search for VHMS and porphyry-style deposits as they are able to map the distribution of metal-sulphide minerals hundreds of metres below the ground surface. Mr Green said preliminary gravity data from the survey had helped Resource Base understand the geology of the Eclipse prospect area.

Bam Bam Announces Historic Drill Data and Recent Core
Our geology team has been able to capitalize on the understanding from the drilling, geophysical surveys, geochemical surveys, and geological mapping completed by Bam Bam. The significant amount of historic data we have compiled and combined with the modern understanding of Porphyry Copper deposits has proved very...
The company further owns prospective and mostly under-explored titles in Finland and 49% of a copper/gold porphyry project in the ‘golden triangle’ of British Columbia. Otso Gold offers investors fixed growth at a low entry price in one of the world’s most attractive mining jurisdictions.