


  
 Geological Survey of Canada / Commission géologique du Canada
   
 OPEN FILE 2874
   
**MINERAL DEPOSITS OF CANADA**
  
 Scale 1:5 000 000 - Echelle 1:5 000 000
   
 Kilometres 0 100 200 300 400 500 Kilomètres
   

 Lambert Conformal Conic Projection / Projection conique conforme de Lambert
   
 Standard Parallel 49°N and 55°N / Parallèles d'altitude normales 49°N et 55°N
 
  
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 Database managed by D.F. Gerson, digital cartography by R.L. Allard, Geological Survey of Canada
   
 Geology compiled from Open File 2915, Generalized Geology of the World by R.V. Kirkham, L.B. Chorton and J.J. Cantire
   
 Digital base supplied by Geomatics Canada

**GEOLOGY LEGEND**

- Cenozoic
- Mesozoic
- Paleozoic
- Late Proterozoic
- Middle Proterozoic
- Early Proterozoic
- Archean

**DEPOSIT TYPES (By symbol shapes)**

- SEDIMENT-ASSOCIATED DEPOSITS:**
  - Evaporites and Brines
  - Stratiform Phosphates
  - Iron Formation (Lake Superior and Rapitan Types)
  - Sedimentary-Chalcopyrite, Barite (Beds)
  - Mississippi Valley Lead-Zinc
  - Sedimentary Uranium
  - Sedimentary Lead
  - Iron Formation-Hosted Stratabound Sulphide Gold
- VOLCANIC-ASSOCIATED DEPOSITS:**
  - Volcanogenic Massive Sulphide
  - Auriferous Volcano-Associated Massive Sulphide
  - Volcano-Associated Uranium
  - Iron Formation (Magma Type)
  - Volcanic Redbed Copper
- FELSIC AND INTERMEDIATE INTRUSION-ASSOCIATED DEPOSITS:**
  - Porphyrory Copper, Molybdenum, Tungsten, Tin
  - Vein-Stockwork Tin, Tungsten
  - Skarn Tinopolite
  - Skarn Copper
  - Skarn Iron
  - Skarn Zinc-Lead-Silver
  - Skarn Tin
  - Skarn Gold
- ALKALINE INTRUSION-ASSOCIATED DEPOSITS:**
  - Peralkaline Rock-Associated Rare Metals
  - Carbonate-Associated Molybdenum, Rare Earths, Phosphate
  - Kinshofen-Hosted Diamond
- MAFIC AND ULTRAMAFIC VOLCANIC/INTRUSION-ASSOCIATED DEPOSITS:**
  - Magnesian Nickel, Copper
  - Magnesian Platinum
  - Mafic-Hosted Iron-Associated Chromite
  - Ultramafic-Hosted Asbestos
- VENIREPLACEMENT AND OTHER MISCELLANEOUS DEPOSITS:**
  - Epithermal Gold
  - Quartz-Carbonate Vein Gold
  - Disseminated and Replacement Gold
  - Arenaceous Vein Silver, Uranium
  - Vein Uranium
  - Vein Copper
  - Vein Silver-Gold-Zinc
  - Unconformity-Associated Uranium
  - Uranium-Chromite Skarn Iron-Copper-Uranium
- PLACER AND PALCEPLACER DEPOSITS:**
  - Placer Gold, Platinum
  - Paleoplacer Uranium, Gold
  - Placer Ironoxide, Zircon, Garnet

**DEPOSIT SIZE - TONNES OF CONTAINED METAL/MINERAL (production plus reserves)**

	1	2	3	4
Fe, Mn, haifa, gypsum, amethyst, pyrite, isochrom, sphalerite	10 <sup>1</sup> -10 <sup>2</sup>	10 <sup>2</sup> -10 <sup>3</sup>	10 <sup>3</sup> -10 <sup>4</sup>	>10 <sup>4</sup>
Ti, barite, borate, celestine, magnesite, phosphite, pyrophyllite, nepheline syenite, adularite, talc, mica, muscovite, zircon, graphite, garnet	10 <sup>1</sup> -10 <sup>2</sup>	10 <sup>2</sup> -10 <sup>3</sup>	10 <sup>3</sup> -10 <sup>4</sup>	>10 <sup>4</sup>
Cu, Ni, Cr, Pb, Zn	10 <sup>1</sup> -10 <sup>2</sup>	10 <sup>2</sup> -10 <sup>3</sup>	10 <sup>3</sup> -10 <sup>4</sup>	>10 <sup>4</sup>
Mo, Sn, W, Bi, Nb, Li, Sb, Be, Hg, U, Y, Zr, REE	10 <sup>1</sup> -10 <sup>2</sup>	10 <sup>2</sup> -10 <sup>3</sup>	10 <sup>3</sup> -10 <sup>4</sup>	>10 <sup>4</sup>
Ta, Cs	10 <sup>1</sup> -10 <sup>2</sup>	10 <sup>2</sup> -10 <sup>3</sup>	10 <sup>3</sup> -10 <sup>4</sup>	>10 <sup>4</sup>
Ag	31-310	310-3100	3100-31000	>31000
Au, PGE	3.1-31	31-310	310-3100	>3100
Diamonds (carat)	10 <sup>1</sup> -10 <sup>2</sup>	10 <sup>2</sup> -10 <sup>3</sup>	10 <sup>3</sup> -10 <sup>4</sup>	>10 <sup>4</sup>

**METAL/MINERALS (By colour)**

- Cu, Cu-Mo, Co-Au, Co-Ag, Co-Zn
- Mo, Mo-W, W-Sn, Sn-Sb
- Ta, Nb, Li, Be, REE, Zr, Y, Cs
- Pb, Pb-Zn, Zn, Zn-Pb-Cu, Hg
- Au, Au-Ag, Ag, Ag-Pb-Zn
- Fe, Fe-Mn, Fe-Ti
- Ni, Ni-Cu, Ni-Co-Co-PGE, Cr
- U/V
- Halite, potash, gypsum, sodium sulphate, magnesite, barite, celestine, fluorite
- Asbestos, talc, jade, pyrophyllite, nepheline syenite, phosphite, graphite, mica, wollastonite, kyanite, diamond, garnet, zircon

Note: Numbers represent deposit names indicated on accompanying list.

