Natural Resources Canada / Ressources naturelles Canada

LEGEND

Coherent rhyolite facies
- Aphyric rhyolite
- Quartz-phyric rhyolite
- Flow-banding
- Xenolith

Juvenile rhyolite breccia facies
- In situ polyhedral blocky-clast aphyric rhyolite breccia
- Non-stratified polyhedral blocky-clast and slabby-clast aphyric rhyolite breccia
- Non-stratified sediment-matrix aphyric rhyolite breccia

Stratified volcaniclastic facies
- Rhyolite-pumice breccia (grain size: 16-64 mm)
- Fine chlorite-wisp-bearing lithic sandstone
- Chlorite-wisp-bearing lithic sandstone
- Chlorite-wisp-bearing lithic breccia (grain size: 2-4 mm)
- Chlorite-wisp-bearing lithic breccia (grain size: 4-16 mm)
- Chlorite-wisp-bearing lithic breccia (grain size: 16-64 mm)
- Chlorite-wisp-bearing lithic breccia (grain size: >64 mm)
- Sulfide-clast bearing aphyric-rhyolite breccia (grain size: 4-16 mm)
- Sulfide-clast bearing aphyric-rhyolite breccia (grain size: 16-64 mm)
- Sulfide-clast bearing aphyric-rhyolite breccia (grain size: >64 mm)

Syn- to post-volcanic intrusions
- Aphyric basalt

- Stained outcrop
- Lithological boundary
- Lithological boundary (inferred)
- Internal contact
- Fault

Canada

Mapped by T. Monecke and H. Gibson (with field assistance by S. Stolze), 2007-2008

Approximate Mean Declination 2000

RAILROAD AREA, HORNE BLOCK, QUEBEC

Metres 10 0 10 20 30 40

Zone 17
50 metre
Universal Transverse Mercador Grid (WGS84)

Base map produced by a combination of global positioning (typical accuracy: ±4 m) and establishment of 1 by 1 m grids on surface outcrops

Contribution to the Targeted Geoscience Initiative (TGI) 2005–2010

OPEN FILE
DOSSIER PUBLIC
7412
GEOLOGICAL SURVEY OF CANADA
COMMISSION GÉOLOGIQUE DU CANADA
2013
SHEET 3 OF 6
FEUILLET 3 DE 6

Publications in this series have not been edited; they are released as submitted by the author.

Les publications de cette série ne sont pas révisées; elles sont publiées telles que soumises par l'auteur.

Sheet 3 of 6: RAILROAD AREA, HORNE BLOCK, QUEBEC

Recommended citation
Monecke, T. and Gibson, H.L., 2013. Surface geology of the giant Horne volcanic-hosted massive sulphide deposit, Rouyn-Noranda, Quebec; Geological Survey of Canada, Open File 7412, 5 p. + 6 maps. doi:10.4095/292870