



Occurrence Details

Occurrence Number: 115P 045

Occurrence Name: Omega

Occurrence Type: Hard-rock

Status: Deposit

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General Information

Primary Commodities: barite

Secondary Commodities: silver, zinc

Deposit Type(s): Sediment hosted Stratiform Barite

Location(s): 63°59'9" N - -137°10'48" W

NTS Mapsheet(s): 115P14

Location Comments: 1 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Omega cl (YA65102) in Jul/82 by Mattagami Lake Mines Ltd and transferred to Noranda Exploration Company Ltd, which carried out geological mapping, geochemical sampling and VLF EM surveying in 1983. In 1985, Technifluids Ltd added more claims and carried out gravity surveying and geochemical sampling, bulldozer trenching, drilled 7 holes (333 m) and studied the feasibility of barite production in a joint venture. Restaked as Hope (9-10) (YB48357) in April/94 by R Berdahl, who carried out a prospecting program later in the year.

Capsule Geology

Two bedded barite occurrences have been located in a sequence of quartzite, slate, sandstone, shale and conglomerate of the Devonian-Mississippian Earn Group. Small Cretaceous syenite plutons outcrop 1.5 km to the southwest and 2 to 4 km to the northeast.

The main occurrence was tested with 6 drill holes and consists of a finely laminated barite bed containing minor argillite interbeds. It is overlain by black graphitic argillite and underlain by a thin bedded mixture of barite, limestone and witherite. The bed ranges in true thickness from 4.9 to 38 m and is faulted off along strike and at depth. Drilling in 1985 outlined reserves of 30,000 tonnes with an average grade of 88.38% barite, however the presence of argillite interbeds can lower the average grade. Thus the ore may require some upgrading before it can be shipped.

The second occurrence lies 3 km downstream and was tested by one drill hole. The barite bed is marked by a 200 m long barite-silver-zinc soil anomaly and is 10.4 m wide where penetrated by the drill hole. Unfortunately, the upper 6.7 m of the barite layer is contaminated with carbonate.

Berdahl sampled numerous sulphurous smelling barite/shale/chert showings near the main showing. None of the samples returned anomalous values for gold or sulphides.

Work History

Date	Work Type	Comment
12/31/1994	Other	
12/31/1985	Ground Geophysics	
12/31/1985	Drilling	Seven holes, 333 m.
12/31/1985	Geochemistry	
12/31/1985	Trenching	
12/31/1985	Other	
12/31/1983	Geology	
12/31/1983	Geochemistry	
12/31/1983	Ground Geophysics	Also VLF survey.
12/13/1982	Geochemistry	
12/13/1982	Geology	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093967	1998	Geological, Geochemical and Geophysical Report on the Oki-Doki Project Claims	Silt - Geochemistry, Soil - Geochemistry, IP - Ground Geophysics, Magnetics - Ground Geophysics		
091630	1985	Omega 1-32 Claims: Trenching, 1984-85	Mechanical - Trenching		

