

Howe Copper

PORPHYRY AND VEIN PROJECT

HIGH GRADE Cu-Ag with Au

334.29 Ha



The Howe Copper property is located approximately 55 km northwest of Vancouver, BC. It is situated at 1431 m elevation on the eastern slope of Mount Donaldson near Smithe Lake, near the northeastern end of Sechelt Inlet on the west coast of BC.

Access is currently best gained via helicopter from Squamish 25 km away.

Ongoing logging operations have constructed main haul roads that now come to within a few km of the old high-grade workings.



Granite-hosted porphyry Cu-Mo and related Cu-Ag-Au-Mo vein systems on the property have received most of the previous work. Some recent exploration efforts have concentrated on bulk-mineable quartz and muscovite mica deposits.

Short underground workings and surface trenches have also explored at least 11 high-grade vein systems associated with a muscovite granite porphyry stock approximately 500 m in diameter.

Museum quality quartz crystals have been found on the property as well as spectacular specimens of Bornite, Tetrahedrite and Molybdenite.



The Howe Copper occurrence is predominantly underlain by biotite and hornblende biotite granite of the Jurassic to Cretaceous Coast Plutonic Complex. Intruding these, and incorporating blocks of the biotite granite, is a sugary textured, fine to medium grained, vuggy muscovite granite.

Drusy quartz crystals often line the vugs. The muscovite granite has a potassium-argon age date of 83 million years (Late Cretaceous). A potassium feldspar rich dike system has intruded all of the older rocks and is associated with quartz-muscovite mica selvages and high-grade copper-molybdenum-gold-silver mineralization.

History

1874 Showings were discovered and reportedly had 30 m adit developed with the ore shipped in 1875.

1877 Howe Mining Company acquired the property and carried out exploration and development. This included 3 drift adits on mineralized veins, two which are 1600 ft apart.

1880's Late 1880's events not known.

1928 Pacific Copper Mines Ltd. acquired the property and examined the old workings including a Radiore Survey. No further work recorded until 1965.

1965 Bralorne Pioneer Mines Ltd. Conducted geological mapping and sampling.

1966 – 1967 Grasset Lake Mines Ltd. Signed agreement to option 51% interest in the property. The work included induced polarization and 2532 ft of drilling in 5 holes. Partial results listed in Historic Samples section (No Silver or Gold Values were found in historic reports).

1972 Athena Mines Ltd. optioned the property and conducted an airborne magnetometer and electromagnetic survey along with trenching.

1975 Amax Exploration Inc. reported geological mapping.

1979 – 1983 Seatac Resources Inc. optioned the property and conducted geological mapping and geochemical sampling.

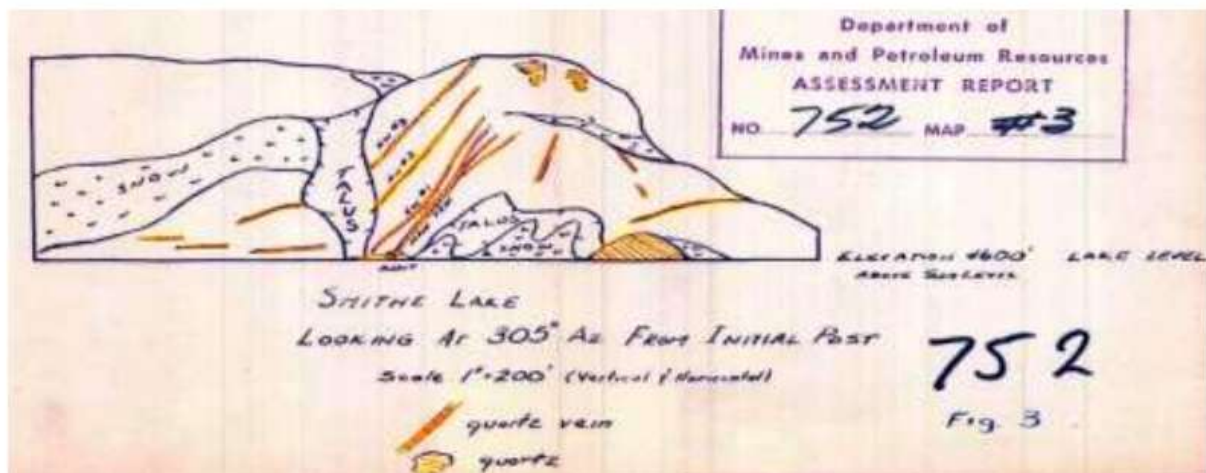
1990's – 2000's No major work done, property only saw minor field sampling programs.

The Porphyry style mineralization occurs in a muscovite granite porphyry stock, approximately 500 m in diameter.

It has been suggested that this could be a pipelike structure with better grades at depth.

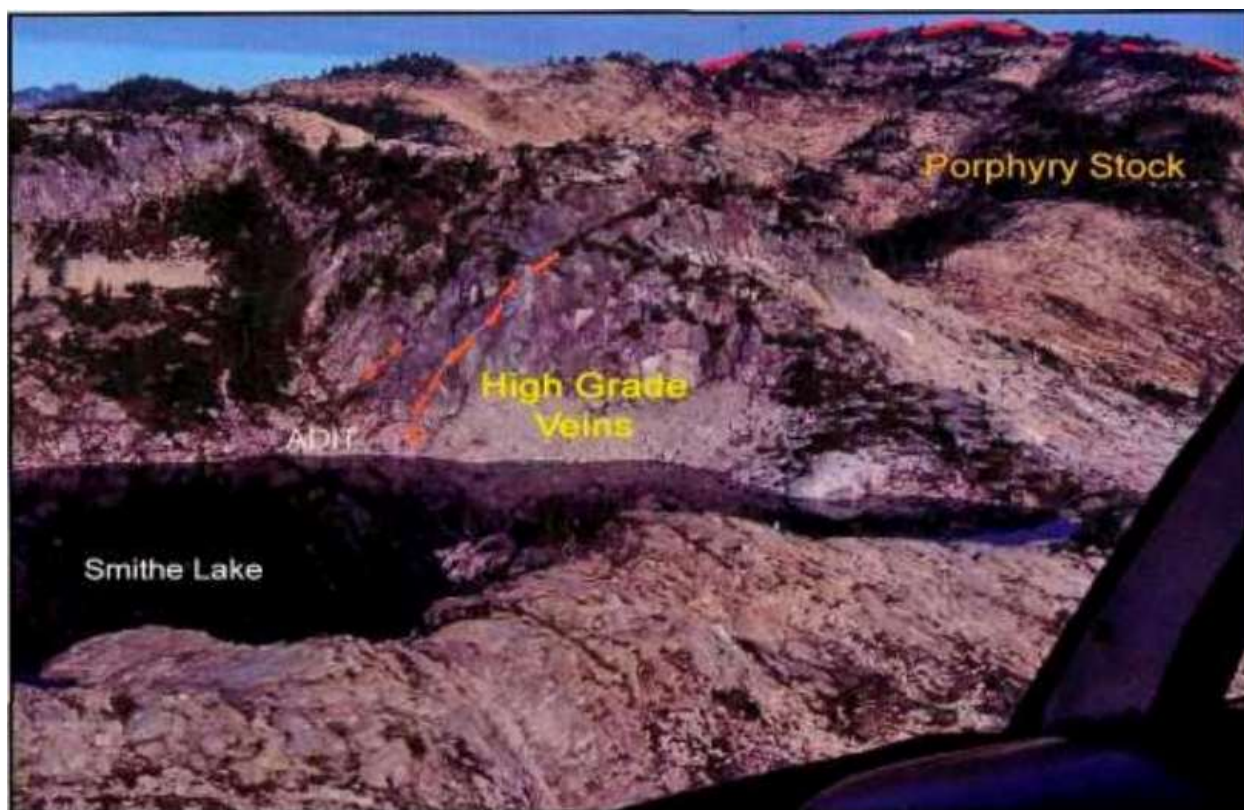
At least 11 associated high-grade vein systems have been explored by short underground workings and surface trenching. Other work has included geological mapping, rock sampling, diamond-drilling, airborne and ground geophysics.

Massive bornite and chalcopryite is associated with the quartz veining but are also found as blebs within vugs of the muscovite granite. Flakes of molybdenite and pods of tetrahedrite and chalcocite were also identified. Cuprite, malachite and azurite are also locally evident and represent oxidation alteration mineralogy.



Grades of up to **15 gpt Au** have been reported from this property. More recent sampling indicates that around **2-3 gpt Au** is consistent within the massive **Bornite mineralization**.

Further sampling by modern methods is needed to properly evaluate the gold content of this deposit.



Sample Highlights

(Samples are from various locations across the property, all assays are from historic reports)

2008	>50% Cu	762 g/t Ag	0.88 g/t Au
	45% Cu	561 g/t Ag	0.71 g/t Au
	48% Cu	931 g/t Ag	0.52 g/t Au
2005	>50% Cu	1670 g/t Ag	2.22 g/t Au
	>50% Cu	603 g/t Ag	0.98 g/t Au
1991	>1.0% Cu	>200 g/t Ag	0.7 g/t Au
1983	56.59% Cu	690 g/t Ag	800m north of main showings.
1887	58% Cu	1417 g/t Ag	
	40% Cu		

Geology

- Mineralized muscovite granite porphyry stock – 500m in diameter and associated high grade vein systems have been explored by underground workings and surface trenching.
- Across the property masses of quarts and quarts veins criss-cross the area. At least 3 sets of veins are recognized. Also there are 2 known areas of widespread and irregular quarts masses.
- Massive bornite and chalcopyrite is associated with the quarts veining but are also found as minor blebs within the muscovite granite.
- Regionally property is underlain by biotite and hornblende-biotite granite of the Jurassic to Cretaceous Coast Plutonic Complex. More locally intruding these and incorporating blocks of the biotite granite is fine to med grained vuggy muscovite granite.
- Quarts muscovite granite is thought to be very late-stage hydrous intrusion and possibly represents a type of greisen.
- A 25-sample composite from the muscovite granite on surface assayed 0.28 g/t Au and 0.29% Cu.

Geophysics

- Aerial geophysical survey was completed in 1972. The assessment report for the survey was filed (ARIS report 4003) however the data and geophysical maps were not included and cannot be located.
- The report states that:
 - There is a coincidence between known copper-gold-silver-molybdenum zones and anomalous magnetic low zones.
 - Of significance interest is the coincidence of the low magnetic and high EM readings within the mineralized zones and the possible extensions of mineralization along strike.
 - The results obtained from the airborne survey warrant further field investigations.

HISTORIC DRILL RESULTS

Only 5 holes for a total of 2500 ft were reported to have been drilled in 1967.

Reported drilling results (no silver or gold values reported):

Hole #	Section (ft.)	Interval (ft.)	Cu%
67 - 1	0 – 98	98.0	0.30
	98 – 385	287.0	0.12
67 – 2	0 – 5.5	5.5	0.25
	88.8 – 117.5	29.0	0.55
	135.5 – 138	2.5	3.07
	261 – 263	2.0	1.52
	273 – 282	9.0	0.30
67 – 4	38 – 77	39.0	0.38

Work during 1966-67 included an induced potential survey, and 2532 feet of drilling in 5 vertical holes.

Drill intersections were reported by Graham (22/10/67) as follows:

DDH 67 – 1 98 ft of .030% Cu and 287 ft of 0.12% Cu

DDH 67 – 4 39 ft of 0.38% Cu

High grade copper greater than 50% with 23 oz/t Ag and gold running up to about 2.2 gpt.

From the limited exploration to date....

To date... tonnage and grade have been estimated at about 0.5 million tonnes at .02% copper valued at 17.6 million CAD.

Further modern exploration could delineate a significantly larger and higher-grade resource.

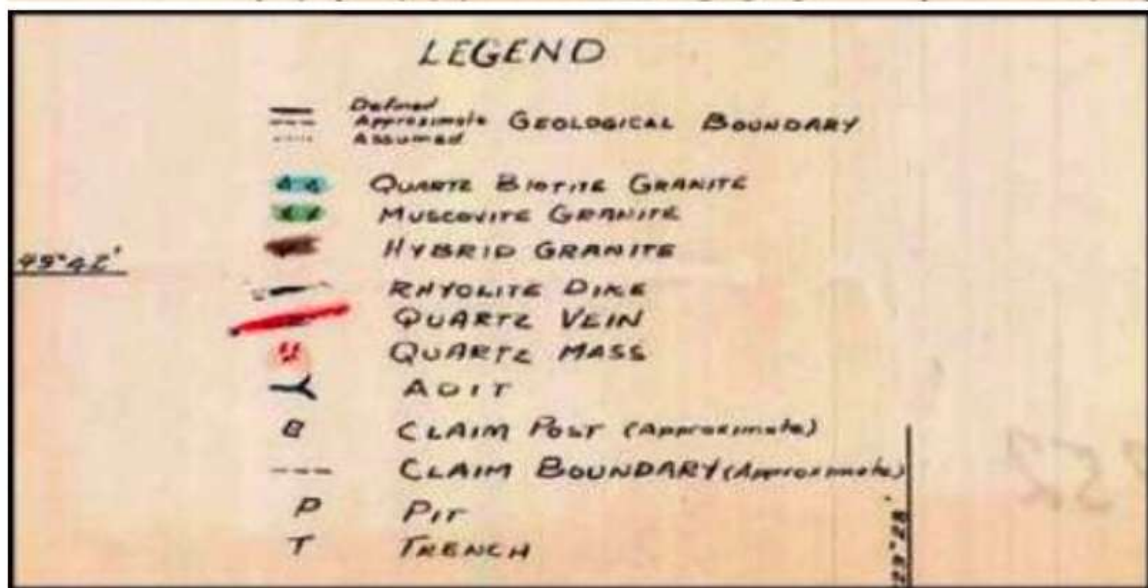
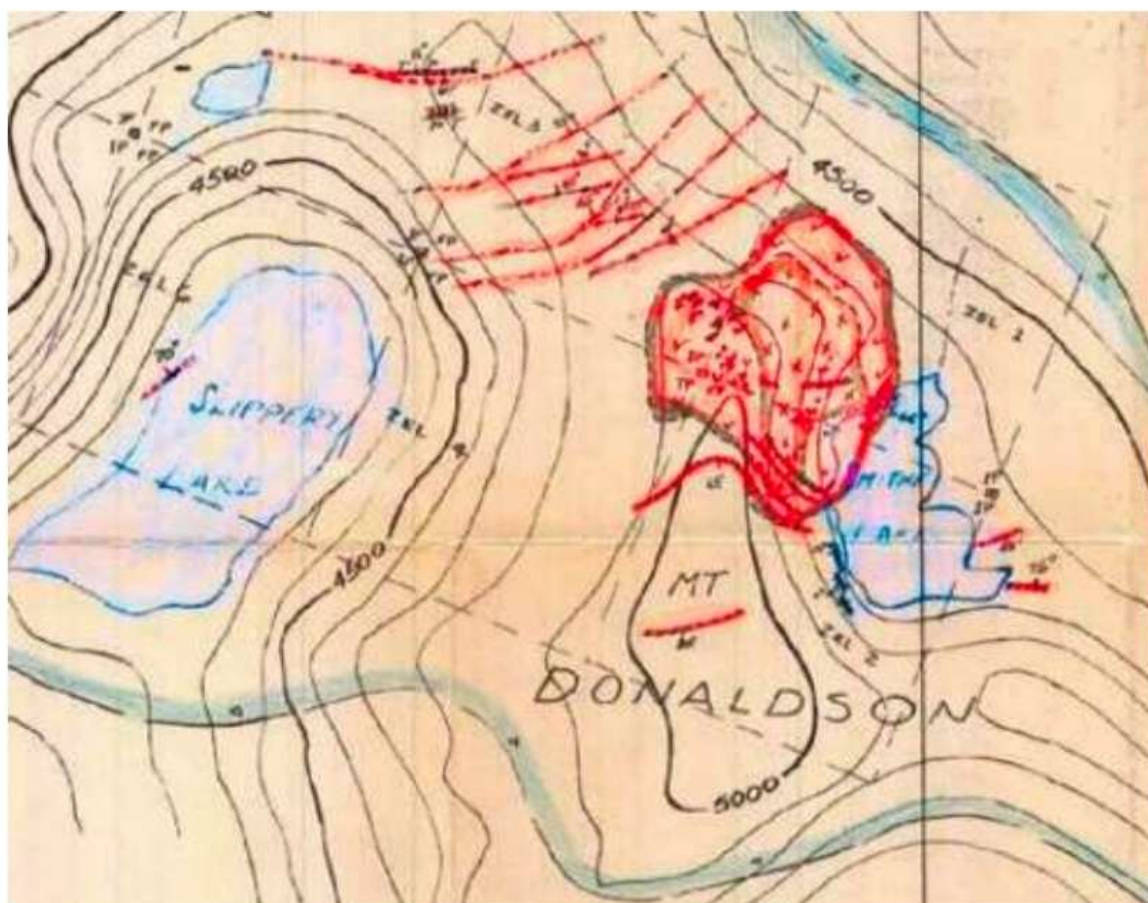


Mineral zones

The areas of interesting economic possibilities are the high-grade copper bearing quartz vein systems, the sericite mass with disseminated copper minerals and the porphyry style muscovite granite.

The main vein on the west side of Smithe Lake has a 90° adit and has been sampled many times in the past with averages of **4.5% Cu and 3 oz/t Ag with 0.1% Mo. High grade bornite** has good associated gold values.

About 200' south of the main adit a spectacular showing of molybdenite, bornite and chalcopyrite occurs. This zone is open in all directions.



The Howe Copper project has excellent further discovery potential.

The property also hosts museum quality quartz crystals and a large deposit of muscovite mica.

The main exploration targets on this property are high grade copper-silver with gold in veins and lodes and a porphyry type copper-gold deposit.

This property is offered for sale by way of cash or working option to purchase.

Preference given to companies willing to fund further exploration.

For more information, please contact:

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MINERAL EXPLORATION AND DEVELOPMENT

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