

# MINNOVA

820968

MEMORANDUM

DATE: November 27, 1991

A TO: ✓ A. J. Davidson

COPIES A COPIES TO: I. D. Pirie, NTS

DE FROM: J. D. Kapusta

SUJET SUBJECT: Letitia Resources Inc. - Margie Property 092H/6W

Letitia Resources Inc. is presently drilling the Margie property, located close to the Lake of the Woods Resort, 3 miles north of Hope, B.C. (92H/6W). The Margie property was originally staked as the Murphy property in 1858 by the Murphy brothers. On the Crown granted Lot 27, the Murphy brothers sank a shallow shaft (the Greenwood shaft) on a quartz vein containing pyrite, pyrrhotite, chalcopyrite and galena. In 1879 an adit was driven 800 feet (and later extended to 960) cutting the quartz vein at a depth of approximately 200 feet below the surface.

In 1964 Patray Explorations completed 1000 feet of drilling in six holes, trenching and cleaned out the old shaft. The Canadian Pacific Railway line and the Trans-Canada Highway run right through the property. The BCDM report for 1965 describes the main surface showing, exposed 200 feet from the old shaft, as a quartz vein 25 feet wide that strikes north 30° and dips 65° northwest and is enclosed between a light grey fine grained granite hangingwall and a serpentine footwall. The quartz vein is well fractured and the fractures are mineralized with pyrite, chalcopyrite, pyrrhotite and very sparse galena. During 1967 Union Bar Mines Ltd. completed three percussion holes totalling 460 feet.

It would appear that Letitia Resources Inc. rediscovered the Murphy showing. The drill hole that is presently in progress is located ≈200 feet back from the surface showing and has been drilled vertical. The Murphy showing or vein structure was intersected in drill hole 91-1 between 485' and 528' (total drilled thickness of 43') and contains approximately 3% chalcopyrite, 1% pyrrhotite and minor pyrite.

The best mineralized interval was intersected between 485 and 501 feet (16 feet drilled thickness), that contains 5-6% chalcopyrite, 1-2% pyrrhotite and 1% pyrite. This structure may contain gold values, but none have been reported in BCDM reports.

Letitia plans to log and sample the drill hole on November 26 and will provide us with the results if we are interested. This is without a doubt not a massive sulphide target.

Drill core is presently stored at 6508 Silver Ave., Burnaby. Contacts are Joe Lassiter of #109-6508 Silver Ave. (438-5859) and Ivan Holmes of #11-6508 Silver Ave. (432-6561).

- 484' to 485' -intensely sheared diorite (Serpentine?): containing abundant dark, fine grained argillite fragments, also some dark, fine to medium grained mafic fragments. Core angle of shear 45°, local well developed sericite and clay with the shears.
- 485' to 488' -interval contains 25% highly fractured quartz vein and 75% sheared diorite or serpentine. The quartz vein contains minor to locally 2% chalcopyrite with minor pyrrhotite.
- 488' to 493' -interval contains 80%, sheared and fractured quartz vein. The quartz vein contains approximately 10-15% total sulphides; with 8% chalcopyrite, 3-5% pyrrhotite, 2-3% pyrite. Locally short intervals can contain in excess of 15% chalcopyrite with over 30% total sulphides. All sulphides are as fracture fillings, stockworks and disseminations.
- 493'-501' -interval contains 80% sheared and fractured quartz veins and 20% sheared diorite? serpentine and argillite fragments. Overall the interval contains 3-5% chalcopyrite, 2-3% pyrrhotite and minor pyrite. Local intervals to 1 foot can contain 15%+ chalcopyrite with 3-5% pyrrhotite.
- 501'-504' -shear zone; gougy sericite mush
- 504'-511' -interval contains 50% sheared quartz veins and 50% sheared diorite?, serpentine and argillite fragments. Overall the interval would contain, 1-2% chalcopyrite, 1% pyrrhotite. Local intervals to 1 foot can contain 20% pyrrhotite and 10% chalcopyrite.

- 511'-528' -shear zone, abundant gouge 65-70%. Interval contains 10% quartz veins with trace chalcopyrite, pyrrhotite and pyrite. The sheared interval contains up to 50% argillite fragments. Core blocks are a bit screwed up in this interval, it appears that there was no core recovery between 520' and 528.
- 528'-530' -shear zone, gouge and ground up pieces of core
- 530'-536' -interval contains 90-95% sheared serpentine with 5-10% quartz veins containing minor disseminated chalcopyrite, pyrrhotite and pyrite
- 536'-538' -felsic dyke containing trace to minor chalcopyrite, pyrrhotite and pyrite along minor shears and fractures.

# Drill Hole Schematic

1 cm = 25 feet

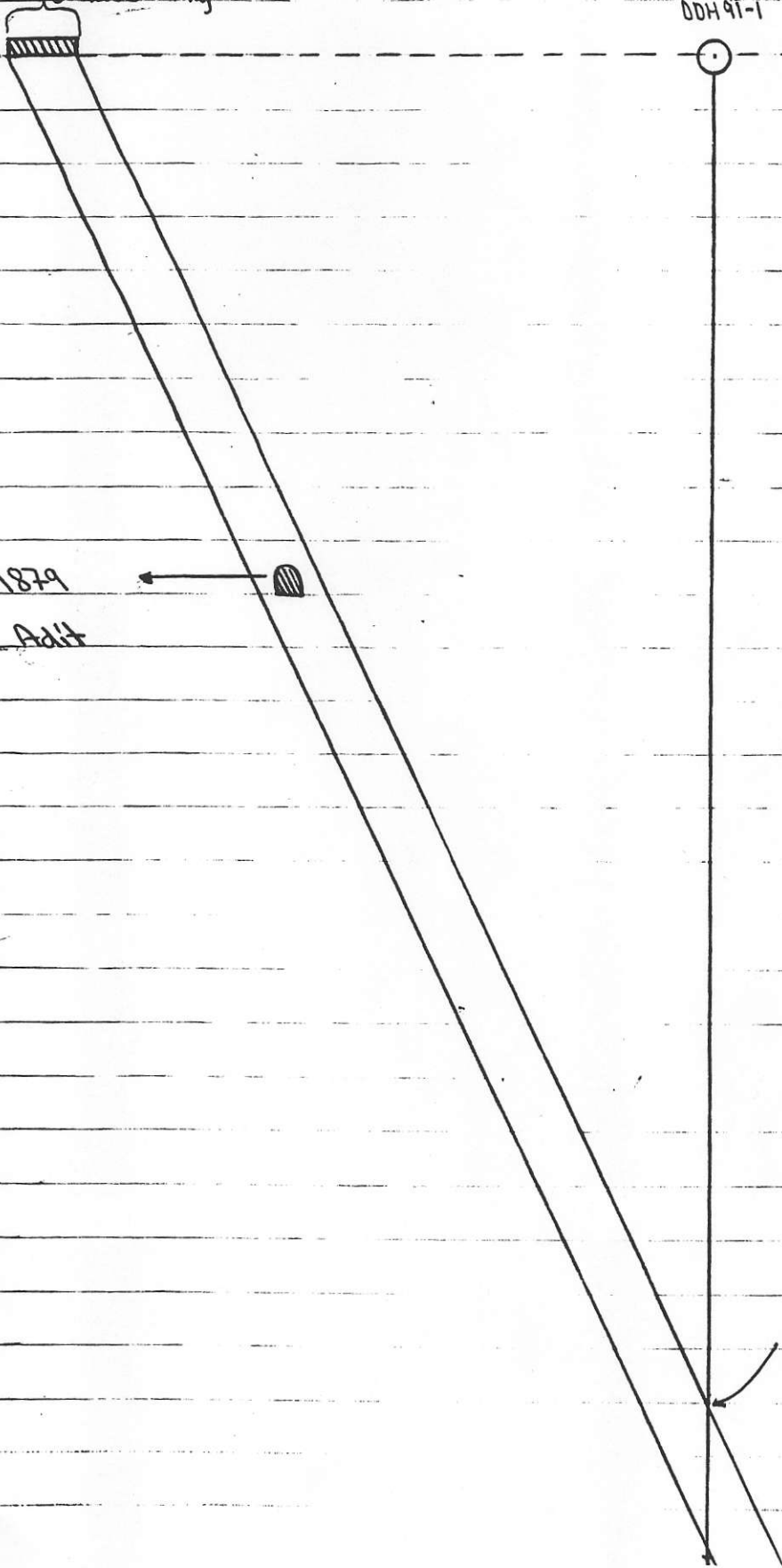
Surface Showing

DDH 91-1

1879

Adit

500'



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November 28, 1991

Mr. Ivan Holmes  
Letitia Resources Inc.  
#111 - 6508 Silver Ave.  
Burnaby, B.C.  
V5H 2Y4

Dear Ivan:

Thank you for allowing me the opportunity to view the drill core from your Murphy property. At this time Minnova does not wish to pursue any further interest in the claim group, however, if any new data becomes available (such as assays from DDH-91) we would appreciate it if you would bring it to our attention.

Yours truly,



John Kapusta  
Project Geologist

JDK/gh