

013817

POSSIBLE MASSIVE SULPHIDE  
TYPE SHOWINGS

Property Name: Common FYRE Other

Location: Lat. 61°13' Long. 130°31' NTS 105G/2

Metals: Major Copper MinorType of Mineral Deposit: SkarnHistory and Previous Work:

Staked as Top cl (75213) in Sept 60 by Cassiar. Trenched and drilled in 1961 - 23 packsack (735 ft.) and 12 Ax holes (1909) ft. Staked as Dub cl (89964) in Jan/66 by Atlas, who drilled 1934 ft in 6 holes after an extensive airborne mag/EM survey. Extensive staking was done by Conwest between occurrences 34 and 32 in November/60.

Description:

The showing outcrops is a creek. Cassiar work indicated a pyritic zone 50 ft. wide containing narrow chalcopyrite bands, which appears to be a replaced quartzose schist bed 30 ft. thick. Mineralized length is 400 feet. Other zones occur nearby. Indicated grade from Cassiar drilling - about 1% Cu, 1% Zn, 0.25 oz/ton Ag. Atlas drilling showed 0.4 - 2.0% Cu over 20-40 ft. widths.

Resembles volcanogenic pyritic type in:

- (1) Host Rk
- (2) Close to granites & UB
- (3) Simple py/po - cp - sp mineralogy
- (4) Zoned
 

QTZ - PY  
 ↓  
 C  
 ↓  
 SP

(5) Stratiform lense conformable to schistosity

References:

P 61-23, p.42

ER, May/66, by D.D. Campbell, in Atlas E Prospectus

P 67-40, pp 59-60

Property Name: Common      PACK      Other

Location: Lat.    61°21'      Long.    130°36'      NTS 105G/7

Metals: Major    Copper      Minor    Zinc , silver

Type of Mineral Deposit: Stratiform

History and Previous Work:

Staked as Pack cl (75914) in June/61 by Conwest, which drilled two vertical holes (300 ft each) in Aug/61.

Description:

Slightly banded, massive pyrrhotite with minor chalcopyrite and some sphalerite, following a contact between schist and quartzite, occurs along the crest of a flat-lying, overturned fold, from 1-30 ft. thick for a length of over 500 ft. Structure is complex. Drilling found no extension. Two samples by Sevensma assayed as follows:

<u>Width</u>	<u>Au(oz/ton)</u>	<u>Ag(oz/ton)</u>	<u>Cu(%)</u>	<u>Pb(%)</u>	<u>Zn (%)</u>
10'	tr	1.0	0.7	0.7	1.7
4'	tr	0.6	1.8	0.3	4.0

Four grab samples by Conwest averaged 4.3% Cu & 1.6 oz/ton Ag.

References:

P 62-27, p.40  
ER, Mar/66, by P.H. Sevensma in Northlake M Prospectus, p.15

Property Name: Common GYP Other

Location: Lat. 61°27' Long. 130°59' NTS 105G/7

Metals: Major Lead, zinc, copper Minor

Type of Mineral Deposit: Stratiform

History and Previous Work:

Staked in Jan/66 as Gee cl (90172) by Northlake Mines Ltd ( Augustus ML, Silver Standard ML, Transcontinental Res.L, North Pacific ML). A showing was found by K.G. Sanders and R. Zielinski for Pelly River ML (Pioneer Gold ML and Northwest Ventures L) in 1954. Airborne surveys and prospecting in 1966 gave negative results.

Description:

Pyrrhotite with blebs of galena, sphalerite and chalcopyrite occurs in a silicified replacement zone 100 ft. long and up to 4 ft. thick in flat -lying sericite schist. No samples were assayed.

References:

ER, March/66 by P.H. Sevensma for Northlake Mines Ltd. prospectus.

Property Name: Common ZIELINSKI Other  
Location: Lat. 61°27' Long. 131°07' NTS 105G/6  
Metals: Major Lead, zinc, copper Minor Silver  
Type of Mineral Deposit: Vein or Sphalerite  
History and Previous Work:

These two showings were staked by Northlake Mines Ltd. (Augustus EL, Silver Standard ML, Transcontinental Res. L, North Pacific ML) in Jan/66 as the Gee cl (90172) and were initially found in 1954 by K.G. Sanders and R. Zielinski for Pelly River ML (Pioneer Gold ML and Northwest Ventures L). Airborne geophysics and prospecting in 1966 gave negative results.

Description:

The north showing is a lens of massive galena, sphalerite and chalcopryrite 50 ft. long and 6 ft. thick. No samples were assayed. The south showing is a quartz vein 5 ft. wide containing pyrite, galena and tetrahedrite. Disseminated galena, sphalerite and fluorite occur in the sheared hanging wall over a width of 20 ft. Again, no samples were assayed. G.S.C. mapping indicates the host rocks are gneisses of unit C.

References:

ER, March/66 by P.H. Sevensma in Northlake Mines Ltd. prospectus.

Property Name: Common DUB Other No. 1 Zone  
Location: Lat. 61°11' Long. 130°30' NTS 105G/2  
Metals: Major Copper Minor  
Type of Mineral Deposit: Skarn

History and Previous Work:

First staked by Cassiar as the Top cl (75213) in Sept/60 and later restaked by Atlas EL as Dub cl (89964) in Jan/66. Atlas conducted airborne and ground geophysical surveys in 1966 and drilled 3 holes (825 ft) in 1967.

Description:

Cassiar found boulders of mineralized float in this area grading 1.57 % and 2.08% Cu. Atlas found coincident EM and geochemical anomalies in an area underlain by schist and phyllite and covered by extensive overburden in a flat area near Fyre Lake. Drilling did not locate the source of the float.

References:

P67-40, pp59-60  
P68-68, p.78

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Property Name: Common      SANDERS      Other

Location: Lat.      61°24'      Long. 131°06'      NTS      105G/6

Metals: Major      Lead, zinc, copper      Minor

Type of Mineral Deposit: Skarn

History and Previous Work:

Staked in Jan/66 as Gee cl (90172) by Northlake Mines Ltd. (Augustus EL, Silver Standard ML, Transcontinental Res. L, North Pacific ML) on a showing found in 1954 by K.G. Sanders and R. Zielinski for Pelly River ML (Pioneer Gold ML and Northwest Ventures L) . Airborne surveys and prospecting by Northlake in 1966 gave negative results.

Description:

Pelly River ML found small lenses of galena, sphalerite and chalcopryrite in schist near a granite gneiss contact. No samples were assayed. Cassiar found pyritic chert at this location in 1961 which carried low precious metal values.

References:

ER, March/66 by P.H. Sevensma for Northlake ML prospectus.

Property Name: Common H00 Other

Location: Lat. 61°32' Long. 131°33' NTS 105G/12

Metals: Major Lead-zinc-copper Minor

Type of Mineral Deposit:

History and Previous Work:

First staked in Jan/66 as Hoo cl (90072) by Northlake Mines Ltd. (Augustus EL, Silver Standard ML, Transcontinental Res L, North Pacific ML) in an area where mineralized float was reportedly found by Newmont in 1955. Lead-zinc bearing limestone was found in a small creek which crosses claims 44, 46 and 63, while chalcopyrite in quartz was found in a larger creek crossing claims 76 and 88. Following an airborne mag and EM survey in May/66 and a Turam survey, an EM anomaly was drilled for a total of 1596 feet in four holes.

Description:

No geochemistry was done because overburden was thought to exceed 100 feet. Drilling showed it is only 30 feet and that bedrock is a sequence of graphitic, sericitic and chloritic schists of unit A. Disseminated pyrrhotite with traces of copper were found in the drill holes. The source of the lead-zinc float remains unknown. The magnetic pattern in the area is complex and ultrabasic bodies occur nearby. The Tintina Fault lies immediately to the southwest.

References:

ER, March/66 by P.H. Sevensma for Northlake ML prospectus.  
ER, April/67 by P.H. Sevensma for Northlake Mines.

Property Name: Common RILEY Other

Location: Lat. 61°26' Long. 131°11' NTS 105G/6

Metals: Major Copper Minor

Type of Mineral Deposit: Stratiform

History and Previous Work:

Staked by Northlake Mines Ltd. (Augustus EL, Silver Standard ML, Trans-Continental Res. L, North Pacific ML) in Jan/66 as the Gee cl (90172). The showings were discovered in 1954 by Pelly River ML (Pioneer Gold ML and Northwest Ventures L). Airborne geophysics and prospecting gave negative results.

Description:

Both showings consist of blebs and disseminations of chalcopyrite in schist of unit A.

References:

ER, March/66 by P.H. Sevensma in Northlake ML prospectus

Property Name: Common ROB Other

Location: Lat. 61°22' Long. 130°53' NTS 105G/7

Metals: Major Copper Minor Silver

Type of Mineral Deposit: Stratiform (?)

History and Previous Work:

Found by Pelly River ML (Pioneer Gold ML and Northwest Ventures L) in Aug/54 and staked as Pit and Rob claims (69041). The claims were optioned to Transcontinental Res. L in 1955 and a ground magnetic survey was done. The showing was restaked by Northlake ML (Augustus ML, Silver Standard ML, Transcontinental Res. L and North Pacific ML) as Gee cl (90172) in Jan/66. Airborne surveys and prospecting in 1966 gave negative results.

Description:

Massive pyrrhotite- chalcopyrite float is abundant on the hillside but was not found in place. It occurs in mica schist near a granite contact. Massive arsenopyrite was found which assayed trace Au and 2.0 oz/ton Ag.

References:

- ER, March/66 by P.H. Sevensma for Northlake ML prospectus.
- Magnetometer Survey Report, Dec/55 by A. Allan-filed for assessment credit.

Property Name: Common PIT Other  
Location: Lat. 61°23' Long. 130°57' NTS 105G/7  
Metals: Major Zinc, copper Minor Silver, gold  
Type of Mineral Deposit: Stratiform or vein

History and Previous Work:

Found by Pelly River ML (Pioneer Gold ML and Northwest Ventures L) in Aug/54 and staked as Pit cl (68993). Transcontinental Res. L optioned the claims in 1955 and did a ground mag survey. The showing was restaked by Northlake ML (Augustus ML, Silver Standard ML, Transcontinental Res.L, and North Pacific ML) as Gee cl (90172) in Jan/66. Airborne surveys and prospecting in 1966 gave negative results.

Description:

There are two showings. The main showing on claim Gee 173 is a large piece of massive sulfides, possibly float, which is 5 ft. in diameter and occurs 15 ft. from an intrusive contact. Mineralization consists mainly of pyrrhotite with minor chalcopyrite and sphalerite. The other showing on claim Gee 179 is a vein exposed for a length of 20 ft. The hanging wall contains 3 ft. of massive arsenopyrite and tetrahedrite, while the footwall contains 3 ft. of "reticulated sulfides". A sample of massive arsenopyrite assayed 2.0 oz/ton Ag and trace Au.

References:

ER, March/66 P.H. Sevensma for Northlake ML prospectus