MINFILE DETAILS

Occurrence Number: 105B 078
Occurrence Name: Verley
Occurrence Type: Hard-rock
Status: Showing

Deposit Type(s): Porphyry W
Location(s): 60°10'1" N - -131°14'31" W
NTS Mapsheet(s): 105B03
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

<table>
<thead>
<tr>
<th>Date</th>
<th>Work Type</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>12/31/2001</td>
<td>Geology</td>
<td>Roots and Liverton visited the western showing as part of regional mapping project.</td>
</tr>
<tr>
<td>12/31/1998</td>
<td>Other</td>
<td>Area surrounding occurrence explored for silver-zinc mineralization, no work carried out on actual occurrence.</td>
</tr>
<tr>
<td>12/31/1997</td>
<td>Other</td>
<td>Area surrounding occurrence explored for silver-zinc mineralization, no work carried out on actual occurrence.</td>
</tr>
<tr>
<td>12/31/1992</td>
<td>Development, Surface</td>
<td></td>
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<td>12/31/1987</td>
<td>Other</td>
<td>Occurrence given cursory examination by Apex Energy Corporation.</td>
</tr>
<tr>
<td>12/31/1978</td>
<td>Drilling</td>
<td>One hole, 256 m.</td>
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<tr>
<td>12/31/1978</td>
<td>Geology</td>
<td></td>
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<td>12/31/1978</td>
<td>Ground Geophysics</td>
<td>Also magnetic survey.</td>
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<tr>
<td>12/31/1977</td>
<td>Geochemistry</td>
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<tr>
<td>12/31/1977</td>
<td>Geology</td>
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</table>

Capsule

Work History

These showings were staked several times as part of the adjoining Bom-Munson property but were not discovered until Jul/77, when they were staked as STQ cl 1-32 (YA21708) by the Minex -1977 Limited Partnership (Action Resources Ltd, W.M. Bath Investments Ltd). Minex conducted mapping and sampling later in the year. In Mar/78 Minex optioned the claims to Amax Potash Ltd and then transferred its residual rights in the property to Logtung Resources Ltd.

Amax carried out geological mapping, magnetic and I.P. geophysical surveys, soil sampling and drilled one diamond drill hole (247 m) later in the year. In June/78 Amax staked STQ cl 33-118 (YA33192) to the west and southwest. At the end of 1978 Amax dropped its option on STQ cl 1-32 but retained its ownership of STQ claims 33-118. These claims were later explored as part of the adjoining Munson occurrence (Minfile Occurrence #105B 029).

Restaked within Dart cl 1-100 (YB376) in Jun/87 by Apex Energy Corporation, which only gave the occurrence a cursory examination and concentrated its exploration efforts on the adjoining Munson occurrence.

Restaked as Mine cl 1-40 (YB16066) in Aug/89 by First Yukon Silver Resources Inc. A 25% interest in the claims was transferred to Grant Stewart in Jul/92. H. Hibbing and G. Stewart performed road construction on the claims in Aug/92.

In Apr/97, Birch Mountain Resources Ltd acquired an option to earn 100% interest in First Yukon Silver's Swift River property which included the Mine claims. Birch Mountain optioned the property for its silver-zinc potential and did not carry out any work on this occurrence. In Mar/99 Birch Mountain dropped its option and returned the claims to First Yukon Silver.

Capsule Geology
The area is located 19 km north of the Yukon-British Columbia border, northeast of Swift River, Yukon. The occurrence lies just south of the Late Permian Ram stock and less than 5 km northeast of the mid-Cretaceous Seagull Batholith. The occurrence is underlain by highly deformed, quartz-rich metapelitic rocks, marble, mafic and felsic metavolcanic rocks belonging to the Mississippian age Dorsey assemblage. The Dorsey assemblage is generally accepted to be part of the Yukon-Tanana terrane and is intruded by numerous small intermediate to felsic intrusions most of which yield Mississippian U-Pb dates.

The occurrence consists of two showings, (East and West) where mineralization occurs in breccias and veins in a greisen zone around two small unmapped, late-phase quartz monzonite stocks, believed to be outliers of the mid-Cretaceous Seagull batholith. The stocks intrude quartz-feldspar schist of the Dorsey assemblage near the margin of the Late Permian Ram stock. Gangue minerals such as arsenopyrite, pyrite and fluorite occur with chalcocite as coarse blebs and fine veinlets and disseminations. Both areas are mineralized with scheelite and molybdenite in a stockwork of quartz-tourmaline-mica veinlets. Cassiterite occurs with massive pyrite in small lenses in a breccia zone at the West showing, and in lesser quantities at the East showing. A specimen of greisen containing cassiterite and arsenopyrite assayed 31 ppm U and 2000 ppm Th. The magnetic survey carried out by Amax failed to outline the boundaries of the two stocks. Soil sampling outlined numerous tin, tungsten, fluorine and base metal anomalies which led to the staking of STQ claims 33-118. The drill hole was collared on the West showing to test the depth potential of the tin-bearing mineralization. The hole intersected metasediments followed by quartz-monzonite and finally alaskite near the bottom of the hole. Mineralization was limited to arsenopyrite and the occasional scheelite and molybdenite veins.

Apex Energy and First Yukon Silver appear to have staked their respective claims to protect access to neighboring silver-zinc occurrences. Neither company appears to have given the occurrence more than a cursory examination. C. Roots and T. Liverton of the Yukon Geology Program visited the Western showing (occurrence A) in 2001 (T. Liverton, pers. comm., 2003). They exposed a 2 m diameter outcrop of alaskite in the bottom of a small cirque that contained quartz stockworks. The stock intrudes sediments that contain cassiterite and some scheelite. They also reported several small intrusions on the surrounding ridge crest that may host skarn mineralization.

References


GEOLOGICAL SURVEY OF CANADA Paper 79-1A, p. 264-266, 397.

GEOLOGICAL SURVEY OF CANADA Paper 78-1A, p. 291.


LOGTUNG RESOURCES LTD, Apr/78. Prospectus Report #061721 by W. Meyer.


YUKON GEOLOGY AND EXPLORATION 1979-80., p. 145-146.