MYSTERY CREEK NICKEL

Au-Ag-Cu-Ni-Cr-Co-V-Ti Target

Minfile... FISHTRAP CREEK, CP, PC, C.P. Kamloops Mining Division

BCGS Map 092P019 - NTS Map 092P01E, 092P01W UTM 10 (NAD 83) Northing 5671290 - Easting 691019 : Flood Basalt-Associated Ni-Cu

The Fishtrap Creek showing newly named the Mystery Creek Nickel Project is located on the north side of Mount Hagen, east of Fishtrap Creek and north of Skull Creek, eight kilometres west of Barriere BC., and about 65 Km from Kamloops. The property is accessible via numerous secondary logging roads near Mystery Creek.

The claims fall within the large Sparks Creek wildfire in the Barriere area. These fires have left the claim area with abundant completely deforested and logged areas with newer logging and fire abatement roads and trails. Most of these new roads and trails postdate the previous work on the property.

The forest industry has been decimated in this area and an advanced mining project would be a welcome boom to the area.



Mystery Creek Nickel MINES DISPLAYED ON MAP

🛠 Active mines

- 1. New Afton (copper-gold)
- 2. Gravel pits, Barnhartvale Road
- 3. Z-2 (zeolite absorbent mineral)
- 4. Walhachin (basalt rock for rail beds)
- 5-6. Highland Valley (copper-molybdenum)
- 12. Harper Ranch (limestone for cement)
- 13. Buse Lake (alumina-silica for cement)
- 14. Falkland (gypsum for cement)

🛠 Former mines

- 7-8 Bethlehem pits, Highland Valley
- 9-11 Ajax, Afton and Iron Mask (copper-gold)



The property lies within the Thompson Plateau, a subdivision of the Interior Plateau of British Columbia. The area is relatively flat except in the west-central region where the elevation ranges from 1,450 metres, near the top of Parky Mountain, to 1,070 metres where Skull Creek approaches the southeast corner of the property.

Forests are dominantly cedar, spruce and fir with lodgepole pine at higher elevations. Several logged areas surround the perimeter of the claim group.

Chalcopyrite, pyrite, magnetite and possibly some sulphide nickel mineralization (Pentlandite) occur in plugs of pyroxenite (Geology, Exploration and Mining in British Columbia 1972, page 315) which intrude "greenstones" and diorites. Trenching exposed mineralization in a southwest trending "shear zone" about 21 metres wide within a band of ultramafic rock.

Preliminary chip samples in the cat trenches gave an average of about 0.22 per cent copper over 22 metres and a strike length of 30 metres. The age of the pyroxenite plugs is not known, however the dioritic rocks are probably part of the Upper Triassic to Lower Jurassic Thuya batholith. The "greenstones" are possibly part of the late Paleozoic Harper Ranch Group.

The Parky Mountain property of Hollycroft Resource Corporation, consisting of 2 claims (40 units). These where located in 1984 over the area now covered by the Mystery Creek Nickel Project. This Parky Mountain property was acquired to cover similar geology and magnetic signature as the Poison Creek Au-Ag showings.

On this property to the south sulphide mineralization with associated precious metal values to **0.34 ozs. Au/ton and 4.18 ozs. Ag/ton** have been located in three separate showings near Poison Creek. Even though these known gold occurrences are in the poison creek drainage... RGS silts taken downstream only ran 2 ppb Au. An RGS silt sample ran 190 ppb Au downstream of the Mystery Nickel property.

These poison creek showings are associated with quartz veining in felsite intrusives near the contact of pyroxenite plugs with the clastic rocks of the Cache Creek Group. The Mystery Nickel property has very similar geology with a high magnetic signature and anomalous metals in the creeks draining the claim area.

REGIONAL GEOLOGY

Rocks of the area have been assigned to the Cache Creek Group, a belt of rocks approximately 10 kms wide. In the area the Group is composed mainly of clastic rocks and minor carbonate; basic and intermediate flows may be present locally. The clastic rocks are mainly grey-green volcanic arenite and greywacke; siliceous argillaceous rocks are subordinate but locally abundant.

The above assemblage has been subjected to low-grade metamorphism and the belt has been assigned to the Pennsylvanian and Permian.



Intrusive rocks in this belt include syenites, monzonites, diorites and granodiorites and pyroxenites of Triassic and Jurassic age. The greatest portion of these intrusives lie north and northeast of the property although float from similar intrusives have been noted on the Mystery Creek Nickel property.

The general area was overridden by glacial ice and glacial features and deposits are conspicuous in all parts of the area. However, the glacial deposits are not deep, on average between 1 and 2 metres.



Most of the property is overburden covered. The new logging and fire roads and trails may have likely exposed local subcrop or outcrop for mapping and sampling.

Float material observed by M.P. Dickson, P. Eng. While working on the property in 1985 indicate that the clastic rocks and felsic and ultrabasic intrusives described under regional geology can be expected to exist under the overburden cover.

Government aeromagnetic maps indicate that a magnetic high exists on the property. This is interpreted to be an unmapped ultrabasic intrusive (likely Pyroxenite and or Gabbro's) that have intruded the clastic rocks of the Cache Creek Group.

M.P. Dickson, P. Eng. has investigated a similar situation on a property (Iron Mist) just south of the property where pyroxenites have intruded clastic rocks and the contact between the two corresponds roughly with the aeromagnetic high. Also, in the above situation, quartz veining associated with felsite intrusives near the contact carries sulphide mineralization with accompanying gold and silver values.



Government aeromagnetic maps indicate a large magnetic high underlying the Mystery Creek Nickel property which can be attributed to an ultrabasic intrusive (likely pyroxenite and / or Gabbro).

Therefore, it is believed that similar rocks, structures and mineralisation could exist on the Mystery Creek Nickel property as compared to occurrences on the Poison Creek - Iron Mist- Iron Ridge property to the south.

The northern part of the property is bounded by a large Syenite Pegmatite Stock and mixed Volcanics.

The exploration targets on the Mystery Creek Nickel property are... Au-Ag-Cu-Ni-Cr-Co-V-Ti



Pyramid Mining Company Limited undertook geological mapping and soil and silt geochemical surveys (535 samples) in 1970. In 1970, Cambridge Mines Limited staked the C.P. group of 32 claims after obtaining some evidence of copper mineralization in random geochemical drainage sampling. In 1972, Cambridge completed soil geochemical surveys (720 samples) as well as ground magnetic and electromagnetic surveys. Which has delineated several strong conductors.

Bibliography EMPR ASS RPT *3816 - EMPR FIELDWORK 2000, pp. 1-30 -

EMPR GEM 1970-316; 1972-315 - GSC MAP 1278A - GSC MEM 363 - EMPR PFD 520272

This property has excellent further discovery potential and is offered for sale by way of working option to purchase. Easy terms for companies willing to conduct grass roots exploration.

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