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Date: July 3/86

MINERAL PROPERTY SUBMITTAL

Submittal # 86-222Submitted to: (Company) WLN Commodity Pt Property Name: Tofino NickelLat/Long _____ MINDEP/Other 92F/29 NTS: 92F/4 Area/Province BCSUBMITTOR: Name: Peter Buckland OWNER:
Address: _____
Phone: 661-2413

CLAIMS: Total No. _____ Due Dates: _____

PRIOR WORK BY: Comines, Lorne "Bus" Hansen
Resampling showing, mag VLFCAPSULIZED GEOLOGY: underlain by foliated quartz - feldspathic gneiss
showings occur in an anorthosite within the gneiss. Speculation is the
gneiss is ^{partly} a metamorphosed ultramafic intrusion

DEPOSIT TYPE:

TARGET DESCRIPTION: Length _____ Width _____ Down Dip _____

MINERALIZATION & ASSAYS: Pt & Pd values from grab samplesPt values to 4.3 g/t, Pd to 15.8 g/t Pd:Pt ratio ~ 3:1. showing
seems to more closely parallel the Noril'sk deposits in the USSR.
These are Ni:Cu deposits with high Pd/Pt contents. These deposits
generally do not have Pt/Pd values high enough to be mined solely for
their Pt/Pd content.

NEIGHBOURING PROPERTY OWNERS:

TERMS REQUESTED: Not known.INTERVIEWED BY: J. McClatchOVERVIEW: showing is small, geology suggests unlikely to be large
ultramafic deposit associated with showing.

RECOMMENDATIONS:

JSB

WR

AS

JMc low priority

FILED NTS: 1) Claim Map 2) Data Submitted 3) Exam report 4) 1 copy this form

FINAL DISPOSITION:

Cu, Pb
Pb

Pb, Zn

Au, Ag
Au, Pb

Pb, Mo

Zn, Cu



49°00'
126°00'

45'

15'

126° 125° 124°
50' 50'

REFERENCE

Lands alienated or covered by application under the Land Act

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Ag

MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES
RESOURCE DATA SECTION

092F 029

NAME(S) = TOFINO NICKEL

N.T.S. = 092F04E

MI = 092F 029

00790

LAT = 4913.1 (DEG. MIN)
LONG = 2537.8
ELEVATION 0500 M.
MINING DIVISION = ALBI
LOCATION ACCURACY = 1

UTMZ = 253
UTMN = CK5454900
UTME = CK0308400

CAPSULE GEOLOGICAL COMMENT =

MINERALIZED ZONE IS LESS THAN 15 METRES WIDE AND
CONSISTS OF BANDS OF DISSEMINATED GRAINS OF CHALCO
PYRITE, PYRROTITE AND MAGNETITE IN A GNEISSIC
COMPLEX OF GRANODIORITE AND GREENSTONE. ASSAY OF
GRAB SHOWS TRACES OF GOLD AND PLATINUM, 3.6% COP-
PER, 3.55% NICKEL, 48 GRAMS PER TONNE SILVER, 6 GM
PER TONNE PALLADIUM, AND 1 SPECK MOLYBDENITE.

COMMODITIES PRESENT = AG CU NI MO FE PD

MINERALS PRESENT =

CLCP
MGNT

BIBLIOGRAPHY
C001A
C002A

BCDM MMAR 1963-116, 1966-74, 1967-75
GSC P 68-50-38

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92F4 NI1

- (10) Main Hetty Green showing. The rocks form a typical intrusive complex and contain some ribbons of limestone beside the creek. Pockets of massive chalcopyrite and magnetite occur along these ribbons. The complex is irregularly altered to skarn and mineralized with chalcopyrite, magnetite, molybdenite, and powellite.
- (11) A limestone band appears to lie on a small open anticline plunging northeast, and has 6 to 12 inches of massive chalcopyrite in its hangingwall.
- (12) A limestone band has 20 inches of massive chalcopyrite in its hangingwall. This may be the same band as in No. 11.
- (14) A quartz vein containing pockets and disseminations of magnetite is exposed over a length of 50 feet and a width of 5 to 10 feet.
- (15-17) Typical intrusive complex is irregularly altered to skarn and mineralized with molybdenite. Chalcopyrite is sporadic.
- (18) Jumbo showing. Ribbons of limestone dip upstream in the intrusive complex, which is rather intensively altered to skarn. Pockets and veins of massive chalcopyrite and bornite occur along the limestone contacts. Some chalcopyrite also occurs with disseminated molybdenite and powellite in the altered rocks above the limestone ribbons.
- (19) A small open cut exposes two 5-foot bands of magnetite striking southwest through diorite and granodiorite.
- (20) Main Crow workings. An open cut has been driven on 5 feet of magnetite, containing minor chalcopyrite and pyrite, along the north contact of a steep greenstone dyke in limestone. A 70-foot adit 40 feet below exposes only greenstone and limestone, but about 5 tons of magnetite is piled at the portal. A second adit, about 50 feet lower, has been driven about 140 feet in barren greenstone, limestone, and diorite.
- (21) A 10-foot adit exposes 3 to 6 feet of magnetite in limestone and skarn.
- (22) A small open cut exposes 1 foot of magnetite with minor chalcopyrite and malachite in skarn.
- (23) Nearly massive pyrrhotite-bearing magnetite is exposed over a face 30 feet wide and 15 feet high in the creek bed.
- (24) A small open cut exposes 2 feet of massive magnetite in greenstone near a tongue of limestone.

Tofino Nickle Group

* A small mineralized zone lies between 1,200 and 1,270 feet elevation on the northwest side of Tofino Inlet opposite Similar Island (*see* Fig. 9). The zone is less than 50 feet wide and consists of pyrrhotite, chalcopyrite, and magnetite in a gneissic complex of granodiorite and greenstone. Much of the material in the zone gives a reaction for nickel with dimethyl glyoxime. A grab sample of rock well mineralized with pyrrhotite and chalcopyrite assayed: Gold, trace; silver, 1.4 ounces per ton; platinum, trace; palladium, 0.18 ounce per ton; copper, 3.60 per cent; nickel, 3.55 per cent. One speck of molybdenite was seen.

Tofino Group

East of Tofino Inlet, due east of Woman Island, a large composite quartz vein is exposed at about 100 feet elevation. Narrow bands of greenstone in it dip 40 degrees to the west-southwest. The over-all attitude of the vein may parallel these bands. The exposed length is 220 feet and the width 30 feet. Pyrite and less chalcopyrite are disseminated through the quartz. Two pieces of quartz showing

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