894423 Joh-Darb

TGS Aug. 30/96

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MASTER REPORT

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REPORT: RGEN0100

GEOLOGICAL SURVEY BRANCH - MINERAL RESOURCES DIVISION
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

MINFILE NUMBER: 094D 165

NATIONAL MINERAL INVENTORY: JOH 6 (SE)

NAME(S): JOH 4, JOH, JOH 3-10, DARB

Pacific Sugar zone.

STATUS: Showing
NTS MAP: 094D09E
LATITUDE: 56 33 25
LONGITUDE: 126 08 37
ELEVATION: 2050 Metres
LOCATION ACCURACY: Within 500M
COMMENTS: Mineralized area near the northwest corner of the Joh 4 claim (Assessment Report 21782).

MINING DIVISION: Omineca
UTM ZONE: 09
NORTHING: 6271500
EASTING: 675550

— VAMP cls. (1973), Amax

* 165, 167, 168, 169, 135 — all need to be updated/revised using Ass. Rpts. 23,680 and 23,842, plus 21,781 TGS

COMMODITIES: Copper, Gold

MINERALS
SIGNIFICANT: Chalcopyrite
ASSOCIATED: Epidote, K-Feldspar
MINERALIZATION AGE: Unknown

DEPOSIT
CHARACTER: Disseminated, Vein
CLASSIFICATION: Hydrothermal, Igneous-contact
TYPE: Porphyry Cu±Mo±Au

HOST ROCK
DOMINANT HOST ROCK: Plutonic

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Triassic-Jurassic Lower Jurassic	Takla	Unnamed/Unknown Formation	Hogem Intrusive Complex

LITHOLOGY: Diorite
Porphyritic Andesite Flow
Tuff
Porphyritic Hornblende Monzonite
Granite
Granodiorite
Amphibolite

GEOLOGICAL SETTING
TECTONIC BELT: Omineca
TERRANE: Quesnel
METAMORPHIC TYPE: Contact
RELATIONSHIP:
PHYSIOGRAPHIC AREA: Omineca Mountains
GRADE: Hornfels

INVENTORY

ORE ZONE: SAMPLE

CATEGORY: Assay/analysis
YEAR: 1991
SAMPLE TYPE: Grab

COMMODITY	GRADE	
Gold	0.2000	Grams per tonne
Copper	0.1000	Per cent

COMMENTS: Fourteen samples assayed greater than 0.1 per cent copper and fourteen samples assayed greater than 0.2 gram per tonne gold.
REFERENCE: Assessment Report 21782.

CAPSULE GEOLOGY

The Joh 4 occurrence, near the northwest corner of the Joh 4 claim, is about 1.75 kilometres east of Darb Lake. The Joh 3 showing (094D 169) is located 3.4 kilometres to the southwest.

The area is underlain by Middle Triassic to Lower Jurassic Takla Group volcanic rocks. These comprise porphyritic andesite and banded tuff. A porphyritic hornblende monzonite stock of the Early Jurassic Hogem batholith (recently redefined as part of the Mesozoic Hogem Intrusive Complex) intrudes the volcanics, northeast of Johanson Lake. The volcanics are hornfelsed and contain bands of amphibolite, within 300 metres of the intrusive contact. Diorite plugs, locally chloritized and carbonatized, commonly average 3 to 4 per cent disseminated pyrite.

Locally, the area is underlain by porphyritic andesite flows and tuffs intruded by monzonite-diorite stocks and granite-granodiorite of the Hogem batholith.

The showing consists of disseminated chalcopyrite in diorite and in epidote-K-feldspar stringer zones. The mineralization occurs in a diorite-volcanic contact zone.

Fourteen rock samples taken from this showing assayed greater than 0.1 per cent copper and fourteen samples assayed greater than 0.2 gram per tonne gold (Assessment Report 21782).

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BIBLIOGRAPHY

EMPR ASS RPT *21782, 23680 and 23842
EMPR OF 1992-11
GSC OF 342
GSC MEM 251
GSC P 76-29
GSC MAP 962A

DATE CODED: 920925
DATE REVISED: ~~920925~~ 960828

CODED BY: DEJ
REVISED BY: ~~DEJ~~ TGS

FIELD CHECK: N
FIELD CHECK: ~~N~~ Y

- Van. Stock watch; Aug. 30/96; Aug. 29/96; Apr. 25/95; Sept. 9/94; July 28/94; Aug. 26/92.

MINFILE NUMBER: 094D 165