

RUN DATE: 06/04/96
RUN TIME: 12:24:05

MINFILE / pc
MASTER REPORT
GEOLOGICAL SURVEY BRANCH - MINERAL RESOURCES DIVISION
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

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REPORT: RGEN0100

MINFILE NUMBER: 0920 051

NATIONAL MINERAL INVENTORY:

NAME(S): SECOND, ULCER, WATSON BAR

STATUS: Prospect
NTS MAP: 092001E
LATITUDE: 51 03 23
LONGITUDE: 122 03 40
ELEVATION: 1220 Metres
LOCATION ACCURACY: Within 500M

MINING DIVISION: Clinton
UTM ZONE: 10
NORTHING: 5656300
EASTING: 565800

COMMENTS: The location is for Zone V, about 750 metres west of Second Creek (Assessment Report 19777, Map 3B).

COMMODITIES: Gold Copper Lead Zinc

MINERALS

SIGNIFICANT: Pyrite	Arsenopyrite	<i>Native Gold</i>	Chalcocopyrite	Sphalerite
Cinnabar	<i>Realgar</i> Stibnite	A Galena	<i>Barite</i>	
ASSOCIATED: Quartz	Chalcedony	Carbonate	Malachite	
ALTERATION: Silica	Carbonate	Kaolinite	Propylitic	Oxidation
ALTERATION TYPE: Carbonate	Silicification	Argillic		
MINERALIZATION AGE: Unknown				

DEPOSIT

CHARACTER: Vein
CLASSIFICATION: Epithermal Hydrothermal Epigenetic
TYPE: Epithermal Au-Ag; low sulphidation

HOST ROCK

DOMINANT HOST ROCK: Sedimentary

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Lower Cretaceous	Jackass Mountain	Undefined Formation	

LITHOLOGY: Arkose
Greywacke
Siltstone
Granodiorite
Feldspar Porphyry
Quartz Porphyry

HOST ROCK COMMENTS: Sedimentary rocks of the Jackass Mountain Group are in fault contact to the east with Eocene volcanic rocks.

GEOLOGICAL SETTING

TECTONIC BELT: Intermontane
TERRANE: Methow
PHYSIOGRAPHIC AREA: Pavilion Ranges
with an average grade of 39.75 g/t Au

INVENTORY

ORE ZONE: SHOWING

CATEGORY: Assay/analysis
SAMPLE TYPE: Drill Core
COMMODITY Gold
GRADE 19.8200 Grams per tonne
YEAR: 1989

COMMENTS: Five-metre intersection in diamond-drill hole 89-1. Zone V.
REFERENCE: Assessment Report 19777

CAPSULE GEOLOGY

The Second prospect is located in the Camelsfoot Range, just west of the Fraser fault. A north-northwest trending splay of the Fraser fault system transects the property bringing Lower Cretaceous Jackass Mountain Group arkose, greywacke and minor siltstone, on the west, into contact with Eocene volcanic rocks, on the east. Sedimentary rocks are intruded by a granodiorite stock and feldspar porphyry dykes of Late Cretaceous to Early Tertiary age. A "quartz eye" porphyry dyke may be considerably younger.

Six zones of intense silicification have been identified on the property. In two instances, silicic zones are parallel to the greywacke-intrusive contacts. Quartz-carbonate veins are drusy, banded and commonly chalcedonic and trend both northwest and northeast. Pyrite typically occurs as disseminations in the wallrock while chalcocopyrite, stibnite and galena are restricted to quartz veins and fractures. Sphalerite, arsenopyrite and cinnabar also occur.

During an initial drilling programme, drill hole 89-1 intersected five metres grading 19.89 grams per tonne gold (Assessment Report 19777). This hole was drilled to evaluate the down dip extension of a surficial zone exposed by trenching that graded 6.17 grams per tonne over 40 metres.

Logging in 1995-1996 in an area east of Second Creek has exposed a large area of pyritization and quartz veining

A 100-ton shipment (bulk sample) from Zone V was processed at the Premier Mill in 1993-1994.

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BIBLIOGRAPHY

EMPR ASS RPT 16666, *17473, *19777
EMPR EXPL 1988-C131; 1989-51
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GSC OF 534; 2207

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DATE REVISED: 910227

G.S.B. - Schroeder, May '96 Monthly Rpt.
June 4/96

CODED BY: CID
REVISED BY: GJP *TCS*

FIELD CHECK: N
FIELD CHECK: *N.Y.*
May 24/96