Brett

BC Ministry of Employment and Investment — Geological Survey Branch

881410

FAX

Date: 3/13/96

Number of pages including cover sheet: 3

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REMARKS: ☐ Urgent ☒ For your review ☐ Reply ASAP ☐ Please comment

Dear Tom:

I have been trying to make sense of the MINFILE wirte-up on the Brett property and have failed. I am therefore pleading for your assistance on this. I cannot figure out what the Bonanza zone is, it isn't mentioned at all in our write-up until the end when a reserve figure appears. Is it a new zone ? Is it the name of a rich zone on the R.W. vein ? In your review you mention that mining began in August, so is this a producing mine ? Have a read and you will see what I mean.

Also, the other zones are not described though they are mentioned. I cannot find any recent assessment work that would help me straighten this out.....can you help me ?

Many thanks in advance, Dorthe.

→ EXPLORE B.C. '1995'

RUN DATE: 03/12/96
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MINFILE / pc
MASTER REPORT
GEOLOGICAL SURVEY BRANCH - MINERAL RESOURCES DIVISION
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

MINFILE NUMBER: 082LSW110 NATIONAL MINERAL INVENTORY:

NAME(S): BRETT, BRETT MAIN, BRETT 1, BRETT 1-4, DISCOVERY, R.W., TR 1, MAIN SHEAR, WHITEMAN CREEK, BONANZA

STATUS: Developed Prospect
NTS MAP: 082L04E
LATITUDE: 50 13 57
LONGITUDE: 119 39 47
ELEVATION: 1340 Metres
LOCATION ACCURACY: Within 500M
COMMENTS: Centre of main zone (Assessment Report 19482).

MINING DIVISION: Vernon
UTM ZONE: 11
NORTHING: 5567660
EASTING: 310075

COMMODITIES: Gold Silver

MINERALS

SIGNIFICANT:	Electrum	Gold	Galena	Argentite	
ASSOCIATED:	Quartz	Chalcedony	Pyrite		
ALTERATION:	Silica	Clay	Chlorite	Epidote	Calcite
	Sericite	Hematite			
ALTERATION TYPE:	Silicific'n	Argillic	Oxidation		
MINERALIZATION AGE:	Eocene				

DEPOSIT

CHARACTER: Vein Stockwork Breccia Shear
CLASSIFICATION: Epithermal
TYPE: Polymetallic veins Ag-Pb-Zn Epithermal Au-Ag; low sulphidation
DIMENSION: 1500 x 250 x 7 Metres STRIKE/DIP: 155/80W TREND/PLUNGE:
COMMENTS: Dimensions are of the main shear zone.

HOST ROCK

DOMINANT HOST ROCK: Volcanic

STRATIGRAPHIC AGE	GROUP	FORMATION	IGNEOUS/METAMORPHIC/OTHER
Eocene	Penticton	Unnamed/Unknown Formation	
Eocene			Coryell Intrusions

LITHOLOGY: Trachyandesite Tuff
Feldspar Porphyry Dike

GEOLOGICAL SETTING

TECTONIC BELT: Intermontane PHYSIOGRAPHIC AREA: Thompson Plateau
TERRANE: Overlap Assemblage Plutonic Rocks

INVENTORY

'95 Overview
12,000 tonnes @ 39.12 g/Mg

ORE ZONE: BONANZA

CATEGORY: Inferred YEAR: 1993
QUANTITY: 2300 Tonnes

COMMODITY	GRADE
Gold	100.0000 Grams per tonne

COMMENTS: Estimated reserves with gold grades from 100 to 120 grams per tonne.
REFERENCE: ~~Information Circular 1994-9, page 12.~~ Info Circ. 1996-1, p. 19

CAPSULE GEOLOGY

The Brett Main prospect is located 28 kilometres west of Vernon, on the steep north slope of Whiteman Creek Valley. The prospect comprises the Main Shear zone which hosts the Discovery vein, the R.W. vein and the TR-1 and TR-21 zones.

In this area, Devonian to Triassic sedimentary and volcanic rocks of the Harper Ranch Group are intruded by Middle Jurassic granitic rocks of the informally named Terrace Creek batholith. Eocene Penticton Group or Kamloops Group volcanic rocks overlie the igneous and sedimentary rocks. Eocene Coryell rhyodacite porphyry to syenite plugs and dikes intrude these rocks.

A shear zone within the Penticton Group volcanic rocks hosts gold and silver mineralization. The 1500 metre long shear strikes 155 degrees, dips 80 degrees west for at least 250 metres depth and is 2 to 15 metres wide. Mineralization occurs with quartz and chalcedony in veins, vein stockworks and brecciated veins, in fracture controlled zones near or within the shear zone, and in altered, more porous trachyandesite tuffs and flows adjoining the shear. The veins have crustiform, banded and vuggy textures. Minor mineralization is present in a Coryell dike which fills much of the shear zone, however, most mineralization appears to pre-date the dike. Mineralization is largely structurally controlled but is, in part, lithogically controlled. Pyrite, gold, electrum and minor argentite occur. Gold mineralization varies from very fine-grained

CAPSULE GEOLOGY

display

in volcanic rocks to coarse flakes in quartz veining. Most of the gold seems to be concentrated within a 200 metre strike length. Intense clay alteration is prominent in portions of the shear zone. The tuffs have suffered chlorite-epidote-calcite-hematite alteration changing to clay(illite)-sericite-silica alteration adjacent to the shear zone.

In 1988, a percussion-drill hole intersected a high grade zone which assayed 100 grams per tonne gold over 44 metres (Property File - Huntington Resources Inc., Statement of Material Facts, July 21, 1989). Average grades and true thickness are in the range of 4 grams per tonne gold over 2 metres, however no grade and tonnage figures are available. The R.W. vein is located 15 metres west of the Main Shear Zone.

The Discovery vein and the Gossan zone (082LSW132) were discovered in 1984; the Main Shear zone and the R.W. vein were discovered in 1986. The New Discovery zone (082LSW131) was discovered in 1987 and the East zone (082LSW084) in 1988.

(Bonanza zone)

In 1984-89, Huntington Resources Ltd. carried out geological mapping, soil geochemistry, trenching and drilling. Similar exploration was continued by Corona Corporation during 1987-89. In 1990, Huntington carried out some drilling and then resumed exploration in 1993.

Estimated reserves of the Bonanza zone are 2300 tonnes grading 100 to 120 grams per tonne gold (Information Circular 1993-13, page 12).

12,000 tonnes grading 39.12 g/t Au (Information Circular 1996-1, page 87)

Huntington Resources Ltd. concentrated its 1995 work on mining in the highgrade R.W. gold vein. Closely spaced sampling of the vein yielded an average grade of 34.35 grams per tonne gold over a strike length of 51.3 metres and across a true width of 0.44 metre. Drilling in previous programs has tested the vein over a vertical range of at least 25 metres. Mining began in August and continues on schedule; ore is being stockpiled. Huntington is negotiating to custom mill ore offsite. The 240-metre adit has been rehabilitated preparatory to raising and stoping in the Bonanza zone. Previous drilling on the Bonanza zone confirmed earlier grade estimates of 68 to 108 grams per tonne (Information Circular 1995-9, page 17).

surface

1995 and by years end approx 225 tonnes of mineralization estimated to grade 34.18 g/t Au and 64.43 g/t Ag were stockpiled.

BIBLIOGRAPHY

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EMPR ASS RPT *13469, *13471, *15564, *19482
EMPR P 1989-1, pp. 97, 357
EMPR INF CIRC 1987-1, p. 21, 62; 1988-1, p. 26, 63, 67; 1989-1, p. 26; 1993-13
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EMPR MAP 37, 5207G, 7216G
EMPR RGS 1976
EMPR FIELDWORK 1987, pp. B15-22, 55-58; 1988, pp. 355-363
EMPR PF (In 082LSW General - Claim Map, 1966; *Huntington Resources Inc., Statement of Material Facts, July 21, 1989)
GSC MEM 296
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GCNL Aug.28, 1986; July 8, Sept.8,17, Nov.13, 1987; #16(Jan.24), #80(Apr.26),#122(June 26),#133(July 12),#154(Aug.11),#194(Oct.10), #224(Nov.22), 1989; #90(May 9), 1990; #243(Dec.19), 1991; #142 (July 26), #225(Nov.24), 1993
N MINER Sept.21, 1987; Feb.6, 1989
V STOCKWATCH Sept.4,15, Oct.14, Nov.10, Dec.4, 1987

DATE CODED: 851205 CODED BY: APW FIELD CHECK: N
DATE REVISED: 930331 REVISED BY: DISC FIELD CHECK: Y