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TOS - July 16/96

RUN DATE: 07/09/96
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MINFILE / pc Brett
MASTER REPORT

PAGE: 15
REPORT: RGEN0100

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

MINFILE NUMBER: 082L6W110

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

Main Shear

COMMODITIES: Gold Silver

MINERALS

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

DEPOSIT

CHARACTER: Vein	Stockwork	Breccia	Shear
CLASSIFICATION: Epithermal			
TYPE: Polymetallic vein 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 UNIT

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

LITHOLOGY: Trachyandesite Tuff
Feldspar Porphyry Dike

GEOLOGICAL SETTING

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

INVENTORY

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 1995-1, page 12.

1992
11,970 tonnes
grading 39.12 g/t Au
along a 150-m section
in Bonanza zone
within Main Shear
zone. (SW July 96)

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, lithologically controlled. Pyrite, gold, electrum and minor argentite occur. Gold mineralization varies from very fine-grained

Feldspar porphyry

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CAPSULE GEOLOGY

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.

the Bonanza zone and the R.W. vein; furthermore the best gold values appear to occur between the 1230m and 1240m in elevation.

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.

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.

39.12 Estimated reserves of the Bonanza zone are ^{11,970 tonnes} 2300 tonnes grading 100 to 120 grams per tonne gold (Information Circular 1993-13, page 32) (Stockwatch, July 11, 1996).

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

the 1205m level

and a 15m raise was driven

~~preparatory to raising and stoping in the Bonanza zone. Previous drilling on the Bonanza zone confirmed earlier grade estimates of 60 to 100 grams per tonne (Information Circular 1989-9, page 17).~~

BIBLIOGRAPHY

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*B15-22; 1988-A2,21,43; 1989-50; 1990-17,55
EMPR ASS RPT *13469, *13471, *15564, *19482
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EMPR OF 1989-5; 1990-30; 1992-1; 1994-1
EMPR MAP 37, 52070, 7216G
EMPR RGS 1976
EMPR FIELDWORK 1987, pp. B15-22, 55-58; 1988, pp. 355-363
EMPR PP (In 082LSW General - Claim Map, 1966; *Huntington Resources Inc., Statement of Material Facts, July 21, 1989)
GSC MEM 296
GSC OF 637, 736, 2167
GSC P 89-1K pp. 51-60
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
N MINER Sept.21, 1987; Feb.6, 1989
V STOCKWATCH Sept.4,15, Oct.14, Nov.10, Dec.4, 1987

DATE CODED: 851205
DATE REVISED: 930331

CODED BY: APW
REVISED BY: DISC

FIELD CHECK: N
FIELD CHECK: Y

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TCS

Insert: During 1994-1995, Liquid Gold Resources Inc., under an option agreement with Huntington, completed a 240 metre long adit from the 1205m level, under the Bonanza zone. An estimated 1090 tonnes of mineralized rock averaging 5.76 g/t Au were extracted and stockpiled outside the portal.

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On July 9, 1996 Huntington trucked approximately 225 tonnes of ore grading 34.18 g/t Au to Cominco's smelter at Trail for processing and sale. A second shipment of 275 tonnes