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Gold Commissioner's Office VANCOUVER, B.C.

ROCK SAMPLING REPORT SHIK CLAIMS CARIBOO MINING DIVISION Specific Claims Involved: Shik 1,3 and RG # 1 NTS: 93A/6W Latitude:52 28N Longitude:121 28W Owner of Claims: J.W. Morton and R.M.Durfeld Operator J.W. Morton Author: J.W. Morton P.Geo Date: January 23 1995.

GEOLOGICAL BRANCH ASSESSMENT REPORT

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Mineral Tenure

The Redgold property consists of the Shik 1 through 7 mineral claims plus the RG 1 mineral claim. The Shik 1 through 7 claims are the modified grid type that were located between May 1982 and December 1989. RG 1 is a two post claim located in May 1994 to cover a singular internal fraction. The claims total 110 units and extend over an area of approximately 2500 hectares.

Location and Physiography

The Redgold property is located in the Cariboo Region of British Columbia approximately 60 kilometres northeast of the city of Williams Lake. The property is located on NTS map sheets 93A/5 and 6 and is centred at latitude 52 28 N and longitude 121 28 W. Access to the claims is achieved by travelling to the village of Horsefly on a paved highway and then continuing on to the property on an all weather gravel logging road. The claims occur in a low elevation forested rolling terrane dominated by interior Douglas fir, cedar and pine. Much of the claim group has been clearcut logged within the last 15 years. Soils developed on the claims are derived from clay rich glacial till materials that have been shown by drill testing to be at least as deep as 14 metres over parts of the property. Low lying areas are commonly swampy. Good exposures of outcrop are limited to the tops of hills.

History

Interest in the vicinity of the Redgold property was first noted following the release of aeromagnetic sheet number 5239G in 1968. This survey outlined a prominent circular magnetic high in the central region of the property. A similar feature 20 kilometres to the northwest on the adjacent sheet had previously resulted in the discovery of the Cariboo Bell (Mount Polly) deposit. The area of the present Shik claims were staked following this release but no information is available concerning this most early work.

The initial claims lapsed and the area of the present claim group was restaked in 1972 by Fox

Geological Consultants of Kamloops on behalf of the Cariboo Syndicate (Dome Mines Canada and Newconex). The Cariboo Syndicate continued to work on this property until 1980. Work completed by the Syndicate included mapping, 16 kilometres of IP surveying, bulldozer trenching, and 7 short percussion drill holes. (280 metres.)

In 1980 the property then called the "SL" claims was sold to a VSE company called Terramar Resource Corporation. Terramar completed three short diamond drill holes in the syenite core of the complex before abandoning the eastern side of the property in 1982 and the western side in 1989.

In 1982 Messrs Morton and Durfeld staked the Shik 1 and 2 claims which constitute the eastern region of the present property. The western portion of the present claim group was staked in December 1989 following the final abandonment by Terramar.

In 1989 the present property was optioned to Phelps Dodge Corporation of Canada. Phelps Dodge continued with the option until January 1992 at which time the property was returned to Messrs Morton and Durfeld. Phelps Dodge completed 66 kilometres of grid and geochemical survey, mapped the grid area, completed 37 kilometres of induced polarization survey and drilled 17 diamond drill holes totalling 1997 metres. Drilling was clustered in several areas and was predominantly in the central regions of very strong chargeability responses.

in 1993 Messrs Morton and Durfeld leased a small area of the property to Quarry Pacific Industries Ltd. Mineralized syenitic and monzonitic rocks were exposed in an excavation completed in 1993. The mineralization is manifested as malachite stained fractures and disseminated bornite (and minor chalcopyrite) under a shallow leached and bleached surface layer (less than 1 metre deep). The excavation is located at the very southern edge of the gridded area beyond the limits of historic drilling.

Regional Geology

The Redgold Property is situated in the centre of a crudely symmetrical northwest trending belt of Mesozoic volcanic rocks formerly referred to as the Quesnel Trough and more recently referred to as the Quesnel Terrane The central axis of this belt is composed of trachytic (felsic) breccias (largely autobreccias) which are flanked to the east and west by mafic volcanic units and these in turn by flyschoid sediments. A linear sequence of dioritic intrusives that occurs along the central trace of this feature is believed to represent the comagmatic eruptive centre of the trachytic volcanics. These stocks, which in fact vary in composition from gabbro to syenite, are spatially associated with porphyry style or porphyry related copper and or gold mineralization. Regional examples of economically significant mineralization include The Mount Polly (Cariboo Bell) copper-gold deposit located 20 kilometres to the northwest and the Quesnel River (QR) gold deposit located 32 kilometres to the northwest. The QR deposit is currently being placed into production.

Property Geology

The zoned dioritic Shiko stock with minimum dimensions of approximately 1 by 1.5 kilometres is both spatially and significantly central

to the Redgold (Shik) claim group. A large associated sulphide system is evidenced by a very strong induced polarization response and an extensive area of hornfelsing developed in volcanic and clastic lithologies outbound from the stock. Calc-silicate minerals including andradite garnet and diopside occur in the hornfelsed (skarned) zone indicating an active versus passive emplacement of the stock. Still more extensive than the calc-silicate zone is a more outbound propylitic envelope best developed in the mafic volcanic sequence. This propylitic alteration has resulted in a high proportion of secondary carbonate, pyrite and epidote being developed in what is essentially a retrograde alteration zone. The propylitic zone may be important to the more gold dominant mineralization which occurs in the area in the vicinity of hole 91-20 where 15 metres grading 0.15 % Cu and 815 ppb Au were intersected (extreme SE corner of grid).

Pg-4

1

Summary of Work Completed

Greg Thomson - on behalf of Teck Corporation, and J.W.Morton sampled parts of the claim group on three separate instances in September and October 1994. Thomson's sampling was, excepting one sample, confined to the syenite quarry excavation whereas Morton's sampling was of a more regional nature. A total of 32 samples were collected and analyzed using multielement ICP techniques with additional gold determinations by geochemical fire assay. Results are tabled in the discussion section with analytical certificates and rock descriptions included in the appendix.

Discussion

The results of Greg Thomson's initial trip to the claim group were very encouraging and his samples are summarized in Table 1 and are described in the appendix to this report. The location of this sampling is included in Map 3. The results, location and geological setting of Thomson's second set of samples is included on Map 2 "Quarry Pacific Pit". The results of J.W.Morton's sampling is summarized in Table 2, located on Map 3 and described in the appendix to this report.

TABLE 1				
Sample #	Copper ppm	Gold ppb	Fe %	Notes
19351	3,036	1,640	2.98	syenite 1% chalcopyrite quarry
19352	20,659	1,120	2.29	quarry monzonite 3-5% chalcopyrite
19353	3,377	2,380	2.64	quarry 0.5% bornite
19354	640	750	2.81	10m chip syenite quarry
19355	619	1,040	2.71	representative grab quarry syenite
19356	6,603	2,000	2.92	grab old trenches Redgold propylite

Pg-5

TABLE 2				
Sample #	Copper ppm	Gold ppb	Fe %	Notes
94-1	1,458	129	4.14	syenite dyke, biotite old Redgold area
94-2	883	159	2.53	syenite, augite magnetic, hillside
94-3	649	144	4.40	syenite, biotite magnetic, hillside
94-4	13	14	3.08	propylite (massive) felsic breccia ?
94-5	173	17	4.28	diorite gray, biotite
5(b)	292	22	2.32	monzosyenite, leucocratic
94-6	24	60	2.11	gabbro, biotite
94-7	2,466	449	1.24	syenite, sericite ? leucocratic
94-8	1,581	465	10.14	gabbro, biotite abundant magnetite
quarry	14,417	53	1.80	syenite-granodiorite? malachite

	Pg-7
Cost Statement	
Geologist 2 days @ \$300 (Greg Thomson) Sept. 2,26,27/94	\$ 600
Geologist 4 days @ \$300 (J.W.Morton) Oct.28,29,30.Nov.1/94	\$1,200
Analytical costs 32 samples @ \$19	\$ 608
Vehicle costs 4 days @ \$60	\$ 240
Accommodation and meals	\$ 200
Report preparation	\$ 500
TOTAL	\$3,348

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Author Certification

I, J.W. Morton of the City of North Vancouver B.C. certify the following:

- 1. I graduated from Carleton University Ottawa in 1971 with a B.Sc in Geology.
- 2. I graduated from the University of British Columbia in 1976 with an M.Sc in Soil Science.
- 3. I am a member in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
- 4. I completed part of the work described and I am the author of this report.

Dated this 19th day of January 1995 in the City of Vancouver B.C.

J.W. Morton P.Geo FESSIO ROVINCE W. MORTON HITISH SCIEN

APPENDIX 1

Grab Samples from the Shiko Lake property September 2 1994

G Thomson, G Evans

19351 - Pink syenite, quarry float, approximately 1 % chalcopyrite.

19352 - Quarry float, pale pink, monzonitic, approximately 3 to 5 % disseminated chalcopyrite (possibly transitional between syenite and monzonite - monzosyenite).

19353 - Quarry float, possible bornite (0.5 %).

19354 - 10 m chip across NE face of quarry (pink syenite).

19355 - Syenite quarry, representative grabs (no malachite) from perimeter of quarry.

19356 - Grabs from backhoe trenches (approximately 200 - 300 metres east of drill hole 91-20).

Strongly propylitic (epidote - kspar) volcanics with sporadic disseminated chalcopyrite, malachite coatings.

APPENDIX 2

Grab samples collected by J.W. Morton

94-1 SYENITE DYKE, massive, hard with conchoidal fracture possibly hornfelsed, light gray colour, fine grained sugary buff to pink colour, some biotite, abundant pyrite and lesser chalcopyrite.

94-2 SYENITE, massive, coarse euhedral pink feldspars, dominant mafic mineral - augite, minor disseminated chalcopyrite, moderately magnetic.

94-3 SYENITE, massive, gray - pink, biotite altered mafics set in feldspar dominant matrix, feldspars occur as coarse euhedral crystals including pink kspar, minor disseminate chalcopyrite, strongly magnetic.

94-4 PROPYLITE, massive, bright green, pervasive epidote altered unit (felsic breccia?).

94-5 Diorite, massive, gray colour, gray - white feldspars with biotite altered mafics, moderately magnetic.

94-5(b) LEUCOCRATIC MONZOSYENITE, massive, (unmarked sample between 5 and 6), medium to fine grained, gray green colour, disseminated pyrite, minor chalcopyrite on edge of pyrite crystal.

94-6 BIOTITE ALTERED GABBRO, massive, dark gray black colour, abundant sheaths of coarse biotite in a rock composed of pyroxene (minor epidote) and feldspar, minor magnetite, trace chalcopyrite.

94-7 LEUCOCRATIC SYENITE, massive, medium to fine grained, light buff colour with subtle greenish (sericite ?) tinge, disseminated pyrite and chalcopyrite, trace of malachite and chalcocite on fractures, non magnetic.

94-8 MELANOCRATIC GABBRO, massive, dark gray black colour, polished section has green tinge in light, predominantly green pyroxenes and magnetite with lesser interstitial white feldspar, some epidote, sheaths of biotite after amphiboles, minor disseminated chalcopyrite and bornite, strongly magnetic.

(quarry sample) SYENITE, rubble, pink, mafic poor, some blebby chalcopyrite, malachite stained fractures.

Analytical Certificates

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ROSSBACHER LABORATORY LTD.

2225 Springer Ave., Burnaby, British Columbia, Can. V5B 3N1 Ph:(604)299-6910 Fax:299-6252 **CERTIFICATE OF ANALYSIS** To: TECK EXPLORATIONS LTD. **Certificate:** 94217 # 350 272 VICTORIA STREET Invoice: 50279 KAMLOOPS, B.C. **Date Entered: 94-09-10 Project:** 41 File Name: **TEK94217** Type of Analysis: Assay Page No.: 1 PRE 8 FIX SAMPLE NAME Cu A1 19351 0.34 A1 19352 2.68 A1 19353 0.36 A1 19354 0.06 0.06 A1 19355 A1 19356 0.76

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ROSSBACHER LABORATORY LTD. 2225 Springer Ave., Bumaby, British Columbia, Can. V5B 3N1 CERTIFICATE OF ANALYSIS Ph:(604)299-6910 Fax:299-6252 TECK EXPLORATIONS LTD. 94245 Certificate: To: 50321 # 350 272 VICTORIA STREET Invoice: 94-10-14 KAMLOOPS, B.C. Date Entered: TEK94245.I File Name: # 41 **Project:** Page No.: Type of Analysis: ICP 1 PRE FIX SAMPLE NAME 1 08 0.11 0.07 1.04 0.06 0.13 0.02 417 70 106 12:0-35 50 19365 0 2:55 .97 M ND. 4 7 A1 s 0.09 1.01 0.07 0.15 0.02 58 20 0.26 100 19366 798 13 17 0.1 326 2.78 15 5 ND ND 20 0.99 0.12 AT 56 0 10 1 08 0 06 0 14 0.01 11.0.52 19367 62 39 0.1 424 2,92 22 ND ND 36 132 1.07 0.12 AT. 20 0.35 0.10 0.56 0.05 0,15 0,01 370 19368 600 42 0.2 293 2 44 14 NÓ NO 22 0.48 0.10 50 AL 0,13 0.01 770 13 0 34 21 0.10 0.59 0.05 1. 19369 ND 0.84 0.10 A¥. 614 0 48 0.08 **A1** 19370 132 14 33 0 1 A 43 2.75 77 5 ND ND 23 0.01 ŝ ND ND 0 11 0.41 0 05 19371 0.1 2.55 ۸1 0.01 ND NĤ 0.05 0.52 0.06 0.03 A1 19372 60 27 0 1 0 86 0.54 0.01 280 19373 23 0 1 NO AD. 0 77 0 04 6 62 0 04 0 15 1451 41 ND ND ٦.4 0.05 0.13 0.02 19374 194 10 25 0 1 A1 276 2 80 0 1 2.73 10 ND ND n 79 n 11 78 m PC 50 0 04 1.01 0.05 0.15 0.02 19375 1 258 27 370 0.72 0.04 0.13 0.01 2.74 M ND 113 0.51 0.10 13 0.46 0:08 19376 36 0.2 10 41 505 354 0 11 1.34 0.06 0.15 0.06 :::**10** 19377 17 23 0.2 2.94 ND) ND 120 0.99 0.12 31:0.51 60 86 0 03 0.66 0.06 0.05 0.01 100 0.62 0.07 0 56 16 48 1 59 10 ND ND: 19378 13 2382 16 1 () AT 0.14 0.02 1 230 o · 2.87 ND 6 45 10 0 10 0.06 A1 19379 0.47 0 11 1 23 0.05 0.13 0.05 2 0.12 13 19380 27 2.8 L n 120 84 A1 0.1 0.12 0.00 1.19 0.05 0.15 0.02 1 10 19381 29 0.1 267 11 ATT'N: GREG THOMSON. IPAGE 94/10/14 **CERTIFIED BY:**

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ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB

AU** ANALYSIS BY FA/ICP FROM 10 GM SAMPLE. Samples beginning /RE' are duplicate samples. - SAMPLE TYPE: ROCK

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Sample Location Map. (94-series) Map3

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19365	88	50	57.8 //		
19366	298	100		•	LEGEND (Ouarry Pacific Pit)
19367	62	10	240	1 SVENITE	Medium grained nink equigranular
19368	600	3,70		I. SIEMILE	approximately 5% anhedral to subhedral
19369	614	770			pyroxene crystals 0.5-2.0 mm partially chloritized,disseminated magnetite (0.5-
19370	132	60			1.0mm) approximately 1%, trace to minor
19371	98	50			bornite, localized actinolite clots.
19372	69	10		2. MONZONITE	Medium grained, greenish gray, equigranular,
19373	1451	280			approximately 75% subhedral white sodic feldspar 1-3mm, approximately 10-15%
19374	194	90	0 5		chloritized groundmass (after biotite) approximately 5% fine grained
19375	258	140			biotite
19376	505	90	metres	3. GRANODIORITE	Amorphous, mixed coarse grained
19377	86	10		(FELSIC DIRE)	3-5% chloritized pyroxene crystals 1-5mm,
19378	2382	100			localized patches of chlorite + or ~ actinolite 1-5 cm.
19379	598	430			Fault / shear
19380	268	40			Jointing vertical G. Thomson
19381	283	10			Sample interval

Map 2