RADIOMETRIC AND GEOCHEMICAL REPORT

on the

D & D and D & D & D CLAIMS

ATLIN MINING DIVISION

104 N/11 E

for

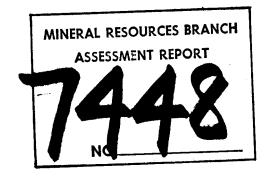
R.H. SERAPHIM, P. ENG. # 316, 470 Granville Street Vancouver, B.C.

WORK COMPLETED - JULY 6, 1979

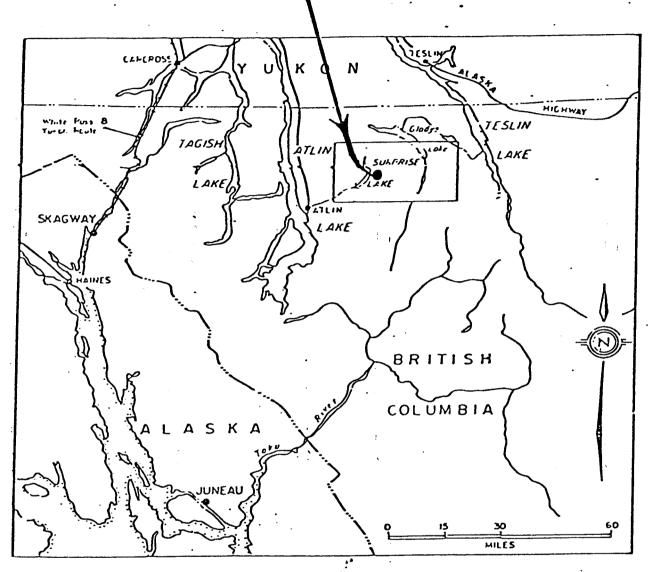
by

T.E. LISLE, P. ENG.

August 9, 1979



D&D - D & D & D ... MINERAL CLAIM



R.H. SERAPHIM ENGINEERING LTD.

LOCATION MAP, D&D - D&D&D M.C.

ATLIN MINING DIVISION

104 N/11W E

SUMMARY & CONCLUSIONS

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CLAIM MAP 1:50,000

PROSPECTING MAP with GEOCHEMICAL RESULTS

RADIOMETRIC RESULTS

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INTRODUCTION

The D & D and D & D & D mineral claims were acquired by staking after the release of the Uranium Reconnaissance Program geochemical data.

Preliminary prospecting was carried out on the D & D claim in 1978. Further work was undertaken in 1979.

This later work did not generate much exploration data due to the exceptional heavy winter snowfall, and the unseasonable weather throughout June and July, 1979. Because of this, further work should be undertaken to better evaluate the mineral potential of the claims.

The results of the work completed to date on the claims are shown on the enclosed maps and described in this report.

LOCATION, ACCESS, TOPOGRAPHY

The Surprise Lake batholith is located between Latitudes 59° 34' and 59° 50', and Longitudes 132° 20' and 133° 30' in Northwestern British Columbia.

The Southwest corner of the batholith is about 19 kilometers (12 miles) northeast of Atlin, B.C. Access to the Western sections of the batholith is by a system of dirt and gravel roads leading from Atlin. Access to the central and Eastern sections of the batholith is by helicopter or fixed wing aircraft.

Elevations in the area range from about 900 to 2100 meters above sea level.

The area has been subjected to repeated glaciation. The terrain is characterized by broad valleys, subdued upland surfaces and moderate to steep valley slopes. Some of the creeks headwater in precipitous cirques.

The D & D and D & D & D claims are approximately 5.5 Km. south-east of Surprise Lake. Lat. 59°39', Long. 133°08', N.T.S. 104N/11E. Access is by helicopter from Atlin, B.C.

WORK PROGRAM

Preliminary prospecting traverses were made in the claim area in 1978.

Between June 26 and July 6, 1979 a two man camp was established near the claims on upper Moose Creek.

Three lines were run (compass & belt chain) East from the west boundary of the D & D & D claim. Stations were marked at 50 meter mervals. on lines 200 meters apart. Radiometric readings were taken at the stations with a GIS4 Spectrometer.

Soil samples were collected at 100 meter intervals at the stations shown.

Camp Be D; D 398(1) R.H. SERAPHIM ENGINEERING LID DID - DIDID CLAMS Flagged Lines for Geochemical and Radiometric Surveys. 1000m. Scale 1:50.000 JULY, 1979.

-GEOLOGY

The Surprise Lake Alaskite batholith intrudes an assemblage of volcanic, sedimentary and ultramafic rocks of paleozoic age, and granitic rocks of Mesozoic age.

J.D. Aitken mapped the area from 1951 to 1955 and incorporated the results of his investigations in Memoir # 307. The following exerpts from that publication provide some insight into the geology of the batholith.

"..... The contacts of the Surprise Lake batholith also dip steeply outward everywhere except in the vicinity of Ruby Creek, where parts of the roof remain, and in detail the contact relations are exactly like those at Dawson Peaks Dykes of alaskite reach up to a quarter-mile from steep contacts, but are few Schistose rocks are found at several points along the contacts of the Surprise Lake batholith and the Dawson Peaks stock, but normally the contact-metamorphosed rocks are hornfels..... The alaskite (13a) forms light brown crumbly outcrops from which fresh It is recognized in the specimens are not easily gained. field by its inequigranular, highly variable texture (from fine to very coarse grained, and in places, porphyritic), abundant smoky quartz, low mafic-mineral content, and lack of colour-contrast between the two feldspars. Streaks and clots of simple pegmatite, a few inches long at most, are widespread and some outcrops contain small drusy cavities.

GEOLOGY cont'd

The only mafic mineral, brown biotite fringed with green, comprises 1 to 5 per cent of the rock. Traces of muscovite are present in most specimens. Fluorite and apatite are widespread in traces. Topaz and allanite are very rare. Arsenopyrite appears in the habit of a normal accessory mineral in one specimen The alaskite displays a confusing variety of textural types, here in sharp contact with one another, there in gradational contact. Finer-grained varieties generally cut coarser-grained ones, but there are many exceptions.

... The simplest textures occur in the coarse-grained and nearly equigranular rocks, in which quartz forms large grains of simple outline.

The Alaskite in the claim area is commonly the coarse grained weathered variety with lesser amounts of fine grained or alaskite porphyry (large feldspar in fine grained matrix). These latter rocks are usually fresher and more massive but on the Quartz Creek bluffs are locally limonitic, manganiferous and in places exhibit a pale green alteration.

Traces of Fluorite are present in the bluffs along Quartz

Creek and minor amounts of chalcopyrite, galena, sphalerite and wolframite are also present.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO._____

GEOCHEMISTRY

Geochemical soil samples were collected from the stations marked on Map 3. Samples were dug with a grub-hoe, packaged in standard Kraft soil envelopes and shipped to Chemex Laboratory in North Vancouver. At Chemex the samples were analyzed fluorometrically for uranium.

The claim area has been glaciated and is characterized by broad valleys, felsenmeer slopes and locally, precipitous bluffs, ridges and cirques. The soil horizons are not well developed and typical samples contain fine to coarse alaskitic sand, with variable amounts of surface organic debris.

The geochemical samples yielded from 0.5 to 91 ppm U. The sample data has not been examined in detail, however, field notes indicate that (a) some of the samples yielding higher values contain organic debris, and (b) some of the higher assays are from samples in the vicinity of Creeks.

RADIOMETRICS

Radiometric readings were taken at the grid stations with a G1S4 spectrometer. Three sets of readings were taken for total count, Uranium & Thorium, and Thorium, and the values shown are the average.

RADIOMETRICS cont'd

The radiometric survey did not indicate areas of strong radioactivity. The data does show low to locally moderate variations within all three factors which may have significance when correlated with geology and geochemistry. In view of this, and as the work covered only a small area of the claims, prospecting should be continued.

T.E. LISLE, P. ENG.



CHEMEX LABS LTD.

212 BROOKSBANK AVE. NORTH VANCOUVER, B.C.

V7J 2C1 CANADA

TELEPHONE: 25.7519 AREA CODE:

984-0221 604

TELEX: 043-52597

. ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 48535

INVOICE NO.

31396

RECEIVED

July 13/79

ANALYSED

Aug. 1/79

R.H. Seraphim Engineering Ltd.

316 - 470 Granville St.

Vancouver, B.C.

ATTN: V6C 1V5

CC: Lisle

SAMPLE NO. :		PPM	DEOTH	HORIZ.	Rang	2015	
SAMI CE NO		U	45711	HORIZ.	CEPIN	~ \ \	
D+D 0+00 BL	1+00 NE	5.0					
	2+00	11.5	10"	C	light .	clayey	5011.
	2+0 6	6.5	8"	A+C	Median	**	
	3+00	8.5	8"	C	er	41	4
	4+00	13.5	10"	Arc		sandy	"
	5+00	13.5	9"	C	*	" I	"
	6+15	25	·8 ~	C	Light	**	••
	7+00	28	9"	C	Coarse	~	•
	9+00	58	9"	Silte	#£	5.1+	= 51H.
	10+00	22.5	8"	Solf.	"	"	
	10+90	32	6"		Medicin	11	
	12+20	10.5	84	Arc	"	moddy	soil.
D+D 0+00 BL	13+00	8.5	911	A+C		Sandy	
2+50 BL	0+50 NE /	9.5	c"	C			bered Rock
	1+00	6.0	8"	A+C			ly soil.
	3+00 /	15.5	10"	2	Course	Sandy	Soil.
	4+00	10.0	11"	C	4	Weath	ered rock & soil.
	5+00 NE '	40	8"	A+C			y soil.
2+50 BL	0+50 SW /	18.5	_	,,,,			, = 0. ,
	1+00 NE /	11.0	6"	C	K	Wealh	ered rock.
	3+00 /	9.5					
	4+00 ′	13.5	10"	A+C		mud	soil.
	6+00 /	8.0	11"	A+C			••
D+D 5+50 BL	8+00 •	9.0 -	10"	, c	51/14	••	"
							

SAMPLE NO. :	PPM II			
D+D O+OO >BL	9.5	8"		Coarse rock - Soit
1+00 ,	4.0	8"	· C	
2+00	5.5	7.	c	" weathered rock-soil- Weathered rock-soil-
3+00 /	4.0	9"	A+C	" " - "
4+00 <	4.0		A+C	
5+00 ′	7.5	7"	A+C	11 11 , 20
5+50 /	22.0	8"	c	4 4 - 4
6+00 BL/	4.0	6"	ATC	11 - 6
7. 0+00 BL 8+00 NE 1, ~ 3	4.0		-	<u>.</u>
2+50 BL 2+00 NE /	22.0	<u> </u>	c	Coorse weathered rock soil
6+50 NE ′	3.0	9"	A+C	" Sandy soil:
- 2+50 BL 7+00 NE /	9.0	6"	G	u soil (modelal
5+50 BL 2+00 NE	7.5	8"	Č	" Sandy soil. " soil (moddy) Weathered rock.
5+00 NE /	5.5	10"	Arc	Mud s'soil.
D+D 5+50 BL 7+00 NE /	4.5			Coarse Sandy Soil
		70	MIC	Coarse Janay 3017



CERTIFIED BY: ...



APPENDIX 1

CHEMEX LABS LTD.

212 BROOKSBANK AVE. NORTH VANCOUVER, B.C. V7J 2C1 CANADA

TELEPHONE:

984-0221 604

AREA CODE: TELEX:

043-52597

. ANALYTICAL CHEMISTS

• GEOCHEMISTS

. REGISTERED ASSAYERS

CERTIFICATE NO. 48309

INVOICE NO.

31076

RECEIVED

July 9/79

ANALYSED

July 16/79

CERT	IFICAT	TE OF	ANAL	YSIS
LEKI		1 E (J.E.	MITME	_ 1 313

R.H. Seraphim Engineering Ltd. TO:

316 - 470 Granville St.

Vancouver, B.C.

DED.

V6C 1V5

ATTN:

CC: T. Lisle

SAMPLE NO. :	PPM U Deptit	House
0+00N - 0+00E	15.0 9"	C Fine silly sand.
1+00	27	5/1.
2+00	12.5 12"	C Coance sandy soil.
3 + 00	8.5 9*	A+C + "
4+00	10.0 10	A+C " muddy soil.
5+00	6.5 //"	ALC Aldron cours mudesain sandy soil.
6 + 00	9.0 //	AtC Muddy Sandy soil.
7+00	7.0 12"	A+C Coarse muddy soil.
8+00	3.0 /0"	A+C. Muddy sundy soil.
9+00	5.0 /2*	Att. Course muddy soil.
10+00	7.5 /0"	C " " "
11+00	3.5 <i>8"</i>	A+C " sandy mud soil-
0+00N -12+00E	3.0 /0"	C Jandy soil.
2 [√] Ŋ - 0+00E	32	C 22114 9 3017 1
1+00	49 47	Muddy coarse organic s.lt.
2+00	91 4"	c Very coarse organic silt.
3+00	5.5 /0"	A+C Coarse muddy sandy soil.
4+00	6.5 10°	A+C n el ce c
5+00	6.5 0"	A+C Medium Coarse sandy soil.
6+00	3.0 6	Atc Muddy sandy soil.
7+00	3.0 <i>8"</i>	A+C Muddy Soil -
8+00	2.5 /2"	A+C Coorse sandy soil.
9+00	6.5 //"	" "
10+00	4.5 7 "	" I mud "
11+00	4.0 //"	" Muddy sort-
2+00N -12+00E	6.5 9"	" Coarse Sandy Soil -
4+00N - 1+00E	10.5 8"	C Medium " "
2+00	2.5	A+C Coarse " "
3+00	6.5 //	mc mud n
4+00	5.0 /0"	A+C Ruszy Sandy "
5+00	5.5 // "	Atl Coorse sand.
6+00	. 19.5 <i>8"</i>	a " " (weathered alaske fe)
7+00	10.0 8"	C " Sandy soil.
8+00	4.5 /0"	C Very coarse sandy soil.
9+00	5.0 10"	ALC Coarse mod soit
10+00	6.0 9"	C. Very " " "
11+00	4.5	The state of the s
·	8.0	

CERTIFIED BY:

APPENDIX 2 D & D GROUP

EXPENDITURES

D & D - D & D & D - 29 units

LABOUR	
T. Lisle - July 2,1979	\$ 150.00
D. Fennings Prospector - June 26 -July 6	
11 @ \$60.00	660.00
J. Taylor Prospector - June 26 - July 6	
11 @ \$55.00	605.00
CAMP COSTS 23 @ \$15.00	345.00
HELICOPTER COSTS:	
June 26/79 Hughes 500	338.50
July 2/79	308.00
July 6/79	247.00
TRUCK RENTAL 6 days @ \$35.00	210.00
GEOCHEMICAL SAMPLES 39 @ \$3.00	117.00
38 @ \$3.00	114.00
REPORT PREPARATION	150.00
OVERHEAD .	50.00
	\$ 3,294.50
	ρ

J. Juli

CERTIFICATE OF QUALIFICATION

I, T.E. Lisle of 145 West Rockland Road, North Vancouver, B.C. declare that:

- 1. The work described in this report was carried out by me and by the personnel listed in Appendix 2 under my supervision.
- 2. I am a graduate of the University of British Columbia with a B.Sc. 1964.
- 3. I have worked intermittently in exploration geology for several years prior to 1964, and have worked continuously in the same field since that date.
- 4. I am a member of the following organizations:
 - (a) Canadian Institute of Mining & Metallurgy
 - (b) Geological Association of Canada
 - (c) Association of Professional Engineers of B.C.

T.E. Lisle, P.Eng.

