LOG NO: march 5/	91 RD .
ACTION:	
FILE NO:	

GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

SUN PROPERTY

Liard Mining Division, British Columbia NTS 104B/15E, 16W Latitude: 56°-47'-30" N Longitude: 130°-30'-55" W

Prepared for

CANADIAN CARIBOO RESOURCES LTD. Vancouver, B.C.

Prepared by

Rex Pegg, BASc., P.Eng. KEEWATIN ENGINEERING INC. #800 - 900 West Hastings Street Vancouver, B.C. V6C 1E5

BRANCH Report	2	
ICAL MENT		
GEOLOG Assess	ñ	-1

SUB-RECORDER RECEIVED		
FEB 27 1991		
M.R. # \$		
VANCOUVER, B.C.		

January 14, 1991

Keewatin Engineering Inc.

TABLE OF CONTENTS

.

Page No.

INTRO	DDUCTION	1
1. 2. 3. 4.	Location, Access, Physiography and Climate Property Status and Ownership History of Exploration 1990 Work Program Summary	1 2 3 4
GEOL	OGY	5
1. 2. 3.	Regional Geology Property Geology Mineralization	5 5 6
GEOC	HEMISTRY	6
1. 2. 3.	Sampling Analysis Description and Discussion of Results	6 6 6
CONC	LUSIONS	7
RECO	MMENDATIONS	8
BIBLI	OGRAPHY	9

LIST OF APPENDICES

APPENDIX 1	Statement of Qualifications
APPENDIX 2	Summary of Field Personnel
APPENDIX 3	Statement of Expenditures
APPENDIX 4	Geochemical Sample Descriptions
APPENDIX 5	Geochemical Results
APPENDIX 6	1990 Assessment Filings

.

LIST OF TABLES

Table 1.	Claim Status	2

LIST OF FIGURES

		Following Page No.
Figure 1.	Property Location Map	. 1
Figure 2.	Claim Map	. 2
Figure 3.	Regional Geology	. 5
Figure 4.	Regional Property Geology	. 6

LIST OF MAPS

<u>In Pockets</u>

Page No.

Map 1. Map 2. Map 3.	Geology Soil and Silt Sample Locations Soil and Silt Sample Results - ppm silver and zinc Pock Sample Locations and Results	1:10,000 1:10,000 1:10,000
Map 4.	Rock Sample Locations and Results	1:10,000

INTRODUCTION

The Sun property is located within the "Golden Triangle" area of northwestern British Columbia which hosts the mesothermal, shear/vein Snip gold deposit and the polymetallic Eskay Creek deposit. The Snip, which is undergoing production preparation by Cominco Ltd., has ore reserves, cut and diluted, of 1.032 million tons grading 0.875 oz/ton gold (Vancouver Stockwatch, November 7, 1989). The Eskay Creek deposit has geological reserves of 4.364 million tons grading 0.77 oz/ton gold and 29.12 oz/ton silver (Vancouver Stockwatch, September 18, 1990). The Sun property is located some 17 km north of the Eskay Creek deposit and 35 km east-northeast of the Snip.

During August of 1990, Keewatin Engineering Inc. was engaged by Canadian Cariboo Resources Ltd., the project operator, for the purpose of conducting a small exploration program on the property. The target was economic gold \pm silver \pm base metal mineralization, in particular an Eskay Creek and/or Snip-type of deposit.

1. Location, Access, Physiography and Climate

The Sun property is situated in northwestern British Columbia, approximately 95 km northnorthwest of the town of Stewart (Figure 1). The property is centred upon 56°-47'-30" North latitude and 130°-30'-55" West longitude. This is within the 104B/15E and 16W NTS map sheets.

Access is by fixed-wing aircraft from Smithers or Terrace (290 km to the southeast) to the Bronson creek airstrip which services the Snip deposit. Transprovincial Airlines Ltd. of Terrace provided daily scheduled trips into the area and would land at Bronson Creek on request. Central Mountain Airlines of Smithers serviced the area with trips on Monday, Wednesday and Friday, as well as numerous unscheduled supply flights. Alternate fixed-wing access is from Wrangell, Alaska which is located at tidewater, 80 km to the west of the airstrip. The Bronson Creek airstrip was lengthened to 1,600 metres during 1988 and is now capable of accommodating Hercules aircraft. Small aircraft are also able to land at the Forrest Kerr airstrip.

Access to the property from Bronson Creek can be made by helicopter, a distance of some 33 kilometres. Numerous helicopter landing spots are available throughout the eastern two-thirds of the property.



Future road access to the area will follow the Iskut River Valley from Bob Quinn Lake on the Stewart-Cassiar Highway to Bronson Creek. This road, whose construction was announced by the B.C. government in 1990, will pass through the Sun property.

The Sun property lies mainly east of the Iskut River, upstream of its' junction with Forrest-Kerr Creek. The topography is typified by north-northeast trending terraces separated by very steep, west facing slopes which are cut by deeply incised creek drainages. Elevations range from over 1,300 metres on the east side of the property to less than 300 metres along the Iskut River on the west.

Much of the property is covered by dwarfed shrubs with mature hemlock and spruce trees at lower elevations. Swampy areas are found locally along the terraces.

The climate is typified by cold, snowy winters and warm, wet summers. Snow accumulations at the higher elevations normally exceed five metres.

2. <u>Property Status and Ownership</u>

The property consists of four contiguous mineral claims (80 units). The claims are registered in the name of Canadian Cariboo Resources Ltd. and are located within the Liard Mining Division. Their status (see Figure 2) is summarized as follows:

TABLE 1: Claim Status				
Claim Name	No. of Units	Record No.	Date Recorded	Expiry Year
Sun 1 Sun 2 Sun 3 Sun 4	20 20 20 20 20	6628 6629 6630 6631	December 6, 1989 December 6, 1989 December 6, 1989 December 6, 1989	1992 1992 1992 1992 1991

It should be noted that the claims were all located by a common Legal Corner Post only, due to precipitous terrain. This post was not seen during the course of the 1990 field work, although no effort was made to locate it.

2



L L 0 [

L

3

3. <u>History of Exploration</u>

The area drained by the upper reaches of the Stikine, Iskut, Unuk, Craig and Bell-Irving Rivers has been explored since the late 1800's when prospectors passed through the region on their way to the interior. In the 1950's and 1960's, the porphyry copper-molybdenum boom brought numerous mining companies into the area. During this time, the Galore Creek porphyry copper-gold deposit was discovered.

Intense exploration began again in the early 1980's, and was then, as now, primarily for gold. At that time the Johnny Mountain property was acquired by Skyline Exploration Ltd. (now Skyline Gold Corp.), the Snip property by Cominco Ltd. (now owned and operated by the Prime Resources Corporation and Cominco Ltd.), and the Sulphurets property by Esso Minerals Ltd. (now owned by Newhawk Gold Mines Ltd./Corona Corporation/Granduc Mines Ltd.). Since 1990, well over 100 new gold prospects have been found in the Iskut-Unuk-Sulphurets-Stewart-Galore areas (Golden Triangle), establishing the entire region as a major gold 'camp'.

The Eskay Creek deposit, a joint venture between Stikine Resources Ltd. and Prime Resources Group Inc., appears to be the most significant discovery found to date. Gold was first discovered in the Eskay Creek area in 1932 and exploration has continued there, sporadically, since then. Prior to the current Eskay Creek joint venture, eleven companies carried out exploration on the present claim area. This included diamond drilling (over 13,000 feet) and underground development to the south of the recent discovery (after Idziszek et al., Mining Magazine, March 1990). In September of 1988, the first significant, high grade gold, silver and base metal mineralization was intersected in a drill hole, on what is called the #21 Zone. Mineralized drill intercepts up to 660 feet long have been reported. In drill hole 109, a 200 foot section averaged 2.9 oz/ton gold, 0.85 oz/ton silver, 1.9% lead and 3.4% zinc. By September 1990, 657 drill holes had been completed. The #21 Zone has been extended for 4,600 feet along strike and remains open, both along strike and down dip. Preliminary geological reserves of 4,364,000 tons uncut and undiluted, grading 0.77 oz/ton gold and 29.12 oz/ton silver have been calculated (Vancouver Stockwatch, September 18, 1990).

In the Iskut River area are the Johnny Mountain and Snip deposits. The Johnny Mountain Gold Mine began production in 1988 and closed in 1990, currently has proven and possible ore reserves of 740,000 tons grading 0.52 oz/ton gold, 1.00 oz/ton silver and 0.75% copper (D. Yeager, Skyline Gold Corp., personal communication). The adjacent Snip deposit presently has ore reserves, cut and diluted, of 1.032 million tons grading 0.875 oz/ton gold (Vancouver Stockwatch, November 7, 1989). Cominco Ltd. expects to bring the Snip into production in early 1991.

On the north side of the Iskut River, numerous gold occurrences have been reported. Avondale Resources' Forrest claims and Kestral Resources' KRL claims were subject to extensive exploration during 1989 and 1990. Drilling was done on both of these properties during 1990. Gulf International Minerals carried out a successful drill program on their McLymont Creek property. They have drilled over 31 holes from which results include 17.37 metres of 0.346 oz/ton gold and 9.63 metres of 2.122 oz/ton gold (Vancouver Stockwatch, July 24 and August 30, 1990).

During 1990, exploration intensified further north, in the More Creek-Forrest Kerr Creek area, after Noranda announced the discovery of high grade, polymetallic boulders on their GOZ-RDN property. Noranda's exploration evidently revealed four mineralized zones (George Cross Newsletter, September 13, 1990). Boulders from the Carcass Creek zone reportedly assayed up to 2.69 oz/ton gold, 2.43 oz/ton silver, 3.2% copper, 43.7% zinc and 3.96% lead. Initial results from their Waterfall zone returned 0.154 oz/ton gold across an estimated true width of 7.73 metres. Noranda has completed an airborne EM and magnetometer survey and drilled fifteen holes. Final drill results are still to be reported. Noranda also has a number of other joint ventured properties in the More Creek area on which mineralized and altered, auriferous structural zones have been reported.

A review of the assessment files and Minfile data indicates that no previous exploration work has been reported from the area presently covered by the Sun property.

In 1988, results from a governmental stream sediment survey of the region were released. The seven samples collected from creeks draining the present Sun property area returned results at background levels.

Recent regional, geological mapping by the BCMEMPR (Logan et al., 1990) covered the area of the Sun property.

4. <u>1990 Work Program Summary</u>

During September, field personnel carried out geological, geochemical and prospecting surveys across the property. This work included soil, silt and rock sampling along compassed and flagged reconnaissance lines.

GEOLOGY

1. <u>Regional Geology</u>

The Forrest Kerr Creek-Iskut River area lies within the Intermontane tectono-stratigraphic belt - one of five, parallel, northwest/southeast trending belts which comprise the Canadian Cordillera. This belt of Permian to Middle Jurassic volcanic and sedimentary rocks defines the Stikinia/Stikine terrain (Figure 3). This is bounded on the west by the Coast Plutonic Complex and overlapped on the east by sediments of the Bowser Basin. The belt has been intruded by at least four episodes of plutonic rocks, from Late Triassic to Oligocene-Miocene. These include synvolcanic plugs, small stocks, dyke swarms, isolated dykes and sills, as well as batholiths belonging to the Coast Plutonic Complex.

The entire sequence has undergone various degrees of folding, faulting and metamorphism.

2. <u>Property Geology</u>

Geological mapping indicates that the property is underlain by relatively unmetamorphosed, fine grained and clastic sediments of the Upper to Middle Jurassic (Logan et al., 1990) Bowser Lake Group.

Bedrock exposures of grey weathering, coarse grained sandstone and polymictic conglomerate were observed at higher elevations, on the east side of the property. The conglomerates contain cherty and volcanic clasts which measure less than 5 cm in diameter.

The coarse grained clastics are underlain by interbedded, grey to brownish orange weathering greywackes, sandstones and minor, phyllitic siltstones and argillites. Locally, discontinuous and barren quartz veins with minor hematitic fracture fillings were observed within the greywackes. The veins are commonly less than 15 cm wide, although one of these reached three metres in width. At, approximately, L10+00N/1+95W (Map 1), a series of six quartz veins, ranging from 5 to 15 cm wide, were observed within a 1.2 metre section. These veins were traced for approximately 10 metres, at which point they pinched out.

The lower slopes on the property are underlain by thinly bedded, dark grey to black, phyllitic siltstones and argillites. The siltstone exposures beside the Iskut River are quite friable.

Keewatin Engineering Inc.



Bedding in the sediments is quite variable, striking north to northeast and dipping 22° to 85° to the east and west. Minor, tight isoclinal folds were observed and a number of anticlinal/synclinal structures were identified.

3. Mineralization

Sulphide mineralization was not observed during the course of the field traverses.

GEOCHEMISTRY

1. <u>Sampling</u>

A total of 90 soil, 9 silt and 5 rock samples were collected during the 1990 field season (see Appendix 4). The samples were all collected along two compassed, hip chained and flagged, northwest trending lines. The soils were taken at 50 metre intervals and generally collected from the "B" horizon with the use of a long handled shovel. The silts were taken from the active portion of the sampled drainages. The rocks represent grab samples of veined outcrops and boulders.

2. <u>Analysis</u>

All of the samples were shipped to Min-En Laboratories in Smithers for preparation and then to their lab in North Vancouver for analysis. This analysis consisted of faa Au and an eight element ICP package (Au, As, Cu, Mo, Pb, Sb, Zn and Hg).

3. <u>Description and Discussion of Results</u>

During the course of the soil sampling, field personnel encountered poor to moderately developed soil horizons. A light to dark brown to orange-brown 'B' horizon was found at an average depth of 30 cm, ranging from 10 to 50 cm. At a few sites, a 3 cm thick ash layer was noted within the 'A' horizon. It is unknown whether this ash to related to recent volcanism or to an old fire.

Soil sample results of up to 12 ppb gold, 3.9 ppm silver, 145 ppm copper, 39 ppm lead, 2,453 ppm zinc, 2 ppm antimony, 3 ppm molybdenum and 410 ppb mercury were obtained. These values appear to indicate that all elements, with the exception of silver and zinc are at background levels. Five of the silver results are in excess of 3.0 ppm, with two of these being consecutive, L0+00/9+50



and 10+00W. Three additional samples returned zinc values exceeding 350 ppm. Two of these samples, L0+00/13+00W (2,453 ppm) and 14+00W (356 ppm) are composed mainly of black organic material.

The property's steep slopes, swampy terraces and poor soil horizon development indicates widespread colluvial deposition and groundwater seepage. These may have, at least in part, contributed to the elevated values, especially the zinc. The highest zinc result can probably be attributed to scavenging by the sample's organic material.

Values of up to 3 ppb gold, 1.4 ppm silver, 33 ppm arsenic, 48 ppm copper, 45 ppm lead, 536 ppm zinc, 1 ppm antimony, 2 ppm molybdenum and 220 ppb mercury were obtained from the silt samples. Only the 536 ppm zinc result of sample 90H284BL-005 appears to be of interest. This sample was collected downstream of the swampy area which returned the highest zinc-in-soil result.

The rock samples results ranged up to 164 ppb gold, 45.7 ppm silver, 54 ppm arsenic, 27 ppm copper, 76 ppm lead, 154 ppm zinc, 6 ppm antimony, 2 ppm molybdenum and 110 ppb mercury. These results indicate that all of the elements, with the exception of silver, are at background levels.

All five of the rock samples consist of quartz vein material and returned anomalous silver results. The three samples collected along line 0+00 are from float material and these returned the highest silver results (see Map 4). Two of the float samples may have travelled a considerable distance. The third (90T284BR-003) sample contains siltstone wall rock and its' source may be located on the cliffs above. The two grab samples taken along line 10+00N were collected from discontinuous quartz veins which measure 0.10 and 3.00 metres wide, respectively.

CONCLUSIONS

Geological mapping appears to indicate that the Sun property is underlain by fine-grained to clastic sediments of the Bowser Lake Group. Local, discontinuous and barren quartz veins, which are hosted by greywackes, returned silver values of up to 17.5 ppm. These veins are typically less than 15 cm wide, although one was measured at 3.0 metres. Quartz vein float material collected from three locations within the property returned silver values ranging from 31.5 to 45.7 ppm. These boulders have not, as yet, been traced back to their source.

Five of the soil results ranged from 3.1 to 3.9 ppm silver. Three additional soils returned values between 356 and 2,453 ppm zinc. Colluvial deposition and groundwater seepage may have contributed, at least in part, to the above, elevated to anomalous soil results. The discovery of silver bearing quartz veins elsewhere on the property may indicate that the higher silver-in-soil results may be reflecting similar mineralization. The highest zinc result may be directly attributed to scavenging by the black organic material comprising the sample.

Although no economic mineralization has been found to date, the combination of silver bearing quartz veins and elevated to anomalous silver and zinc soil values indicates the property may have some potential to host economic mineralization. The broad coverage of the reconnaissance-style traverses has not adequately tested this potential.

RECOMMENDATIONS

It is recommended that the Sun property be subjected to a small exploration program which would evaluate the anomalous rock and soil values obtained during 1990 and increase the geological and geochemical coverage. A brief description of this proposed program is as follows:

- Prospecting, geological mapping and geochemical sampling along reconnaissance i) traverses. These traverses should "in fill" the 1990 coverage of the property.
- Detailed, follow-up soil sampling and prospecting is proposed to confirm and ii) investigate soil anomalies obtained in 1990.
- Chip sampling and mapping of the silver bearing quartz veins and their host strata iii) in order to evaluate their potential.
- iv) Follow-up prospecting in order to attempt to trace the silver-bearing quartz float, collected in 1990, back to their sources.

Respectfully submitted,

KEEWATIN ENGINEERING INC.

Rex Pegg, BASC, P.Eng



Keewatin Engineering Inc.

BIBLIOGRAPHY

Aspinall, C. and DuPre, D. (1990): Geological Report on the Sun Property for Canadian Cariboo Resources Ltd.

George Cross News Letter.

- Logan, J.M., Koyangi, V.H. and Drobe, J.R. (1990): Geology of Forrest-Kerr Creek Area, Northwestern British columbia (104B/15). British Columbia Resources, Geological Fieldwork 1989, Paper 1990-1.
- Logan, J.M., Koyangi, V.M. and Drobe, J.R. (1990-2): Open File. Geology, Geochemistry and Mineral Occurrences of the Forrest Kerr-Iskut River Area, Northwestern British Columbia, NTS 104B/15 and Part of 104B/10, Province of British Columbia.

Minfile 104B (1989): Iskut River Mineral Occurrence Map.

- National Geochemical Reconnaissance, 1:250,000 Map Series (1988). Iskut River, British Columbia (NTS 104B). Energy, Mines and Petroleum Resources Canada, Geological Survey of Canada, GSC Open File 1645.
- Pegg, R.S. (1989): Stewart-Sulphurets-Iskut Areas, Geological Compilation (private report).
- Pegg, R.S. (1990): Summary Geological Report on the FK, Sun, Iskut-Palmiere, Melville, Nickel Mountain, Teigen Lake, Bear, Goat and Gilbert Properties for Wiseboy Resources Inc.
- Read, et al. (1990): G.S.C. Open File 2094; Geology, More and Forrest-Kerr Creeks (Parts of 104B/10, 15, and 16 and 104G/1 and 2), Northwestern British Columbia.

Vancouver Stockwatch.

APPENDIX 1

•

۰.

Statement of Qualifications

Keewatin Engineering Inc.

STATEMENT OF QUALIFICATIONS

I, REX STEPHEN PEGG, of #1 - 410 Mahon Avenue in the District of North Vancouver in the Province of British Columbia, do hereby certify that:

- 1) I am a graduate of the University of Toronto, BA.Sc. (1976) in Geological Engineering (Exploration option) and have practised my profession continuously since graduation.
- 2) I have over 14 years of experience in exploration for base and precious metals in the Canadian Cordillera.
- 3) I am a member in good standing of the Association of Professional Engineers of British Columbia.
- 4) I am an independent consulting geologist with an office at #1-410 Mahon Avenue, North Vancouver, British Columbia.
- 5) I am presently under contract to Keewatin Engineering Inc. with offices at Suite 800 900 West Hastings Street, Vancouver, British Columbia.
- 6) I am the author of the report entitled "Geological and Geochemical Report on the Sun Property, Liard Mining Division, British Columbia", dated January 14, 1991.
- 7) I have personally supervised the work referenced in this report and I am familiar with the regional geology and geology of nearby properties.
- 8) I do not own or expect to receive any interest (direct, indirect or contingent) in the property described herein nor in the securities of Canadian Cariboo Resources Ltd., in respect of services rendered in the preparation of this report.
- 9) I consent to and authorize the use of the attached report and my name in the Company's Statement of Material Facts or other public document.

Dated at Vancouver, British Columbia this 14th day of January, 1991.



Respectfully submitted,

Rex S. Pegg, BA Se., P.Eng.

APPENDIX 2

.

Summary of Field Personnel

•

Keewatin Engineering Inc.

SUMMARY OF FIELD PERSONNEL

R. Pegg	-	Senior Geologist	August 8; September 12,, 17, 22
R. Honsinger	-	Project Geologist	September 9, 12
A. Travis	-	Project Geologist	September 9, 12
S. McTague	-	Assistant	September 9, 12
S. Novak	-	Technician	September 9, 12
D. Barker	-	Assistant	September 9
V. Hutchings	-	Draftswoman	September 17, 22
S. Chandler	-	Cook/1st Aid Attendant	September 9, 12



APPENDIX 3

•

Statement of Expenditures

Keewatin Engineering Inc.

STATEMENT OF EXPENDITURES

i)	Pre-Field (base map preparation)			\$ 1,013.28
ii)	<u>Labour</u>			
	D. DuPre R. Pegg R. Honsinger A. Travis S. Novak S. McTague D. Barker V. Hutchings S. Chandler B. Whelan	1.0 days @ \$425/day 4.0 days @ \$400/day 2.0 days @ \$335/day 2.0 days @ \$325/day 2.0 days @ \$225/day 2.0 days @ \$175/day 1.0 days @ \$175/day 2.0 days @ \$225/day 2.0 days @ \$260/day 0.5 days @ \$320/day	\$ 425.00 1,600.00 670.00 650.00 450.00 350.00 175.00 450.00 520.00 160.00	5,450.00
iii)	<u>Geochemical Analysis</u> (f	aa Au + 8 element ICP)		
	Soils Silts Rocks	90 samples @ \$11.30 ea. 9 samples @ \$11.30 ea. 5 samples @ \$13.75 ea.	\$1,017.00 101.70 68.75	1,187.45
iv)	<u>Helicopter</u> (Hughes 500I))		
		2.2 hours @ \$705/hour		1,551.00
v)	<u>Room & Board</u>	18.0 man days @ \$60 (include	es pilot)	1,080.00
vi)	<u>Rentals</u> (binocular micro field equipment, truck, J	oscope, radios, rock saw, gener ATV, copier, etc split)	ator,	489.45
vii)	Consumables (sample ba	gs, tags, copies, paint, flagging	g, etc.)	368.45
viii)	Fixed wing Support (spli	t)		100.00
ix)	Expediting (split)			68.84
x)	<u>Travel</u> (split)			125.43
xí)	Camp Costs (fuel, etc	split)		42.24
xii)	<u>Courier Charges</u> (split)			2.09
xiii)	<u>Mobilization/Demobiliza</u>	<u>ition</u>		100.00
xiv)	Report (writing, drafting	g, processing, copying)		2,500.00
	TOTAL EXPENDITURE	S: OFESSIO	NY C	<u>\$14,078.23</u>
		REX PEG	GR	

Ş

BRITISH

ENGINEEK BORDODODOD

APPENDIX 4

Geochemical Sample Descriptions

٠

•.

Keewatin Engineering Inc.

KEEWATIN	ENGINEERING	INC.

. .

Project: Area (Gríd):_ Collectors:	SUN (2846) TRAVIS/NOVA			-	F	ROCK	SAMPLES	Results Plotted By: Map: NTS: _ <i>NHS</i> Date:SEPT 9/90Surface_y Undergro						
			SAM				ты							
SAMPLE NUMBER	LOCATION NOTES	SAMPLE NUMBER	GRAB	CHIP	HANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAP SHEET				
90T281BR-001	L OTOON / IT40m West ALONG SHORE OF SMALL LAKE						\checkmark	QUART2 VEIN	Slightly gossanous quartz vein flat no sulphides noted (trace pyrite?)					
. <u>R</u> -002	0+20N/3+80W						1	QUARTZ. VEIN	Four picces found (~10cm x Den)					
	· · · · · · · · · · · · · · · · · · ·													
		1	1	i	1	1	1	1	1	4				

Project: Area (Grid):_ Collectors: _	SUN 2846 TRAVIS/NOVAK			 -	F		SAMPLES	Results Plotted By:NTS:NTS:	Ind
SAMPLE NUMBER	LOCATION NOTES	REP. SAMPLE NUMBER	GRAB GRAB	HANNEL	CORE	FLOAT	ROCK TYPE	SAMPLE DESCRIPTION	MAI
90T284B R~003	L Otoon /26+15W						SILTSTONE/ ARGILLITE	QUART / CARDONATE (BARITE?) VEINED FINE GRAINED SEDIMENT SHEATLY RUSTY, PLOAT, TALUS FROM CLIFFS ABOVE	

4

ng spectra and

roj ect:	Sun 2846			E	- ++ /	ار بے ج	ROCK	SAMPLES	Results Plotted By: Map: 1:10 non Base NTS: 104 R115	
ollectors:	R. HONSINGER, S.M.	ACTAGUE			-				Date: <u>SEPT 9 /90</u> Surface V Undergrou	und.
C A 1401 -		REP.	SAM	PLET	YPE (LENG	тн)	ROCK		
SAMPLE NUMBER	LOCATION NOTES	SAMPLE NUMBER	GRAB	CHIP	CHANNEL	CORE	FLOAT	TYPE	SAMPLE DESCRIPTION	MA She
10H2846R-	410108~/1195w						_	QTZ VEIN	10 cm wide decontinuous white a to vein with	
001								10cm week	oridized partice unfaces from a rever of 6 very	
			ļ					ļ	(5-15 cm wide) over 1. 2 m widet. Trangelle stuke	
									longth -1pm. Attitude 055/24 N. Greywoode how	·
·									Howisible sulphides.	
מ וונסראת	UNITEN / LIDEW		-					12- 11	and it to a the an	
007	KINTIS / 1100		Y				Ļ	NTE VEW	manue where any wern or remarine ff and	
		······	<u> </u>				<u> </u>	- wiere	onlize M. And w M. H. + at	
								 	of realized Valad 1: 15	
				i		 	<u> </u>	<u> </u>	of varying whore when is a area	
R 			<u> </u>	ļ			ļ	<u> </u>		
			<u> </u>	ļ		 	l			
							 	ļ		
			+	 			<u> </u>	+		
				 	 		<u> </u>			
			+							
			1		 	<u> </u>		1		
			1	 		†	1	1		+
							1	T		
						1				ļ
		<u> </u>		 	<u> </u>			<u> </u>		
			┨──	├						╂──-
					-	 	<u> </u>	<u> </u>		
and a second	A good and and a second and a	Contraction of the second s	a la constante A la constante de la constante d	1	12 A	<u> </u>	L	<u>d</u>		سبل

				• ,	SOIL S	AMP	LES															
Proj	ect:			UN. (2	846)				Resu	ults	Plott	ed B	y:	. <u></u>							<u> </u>	
Arec	ı (Grid):		<u> </u>						Map	:				N	I.T.S	·	104	8/1:	5			
Coll	ectors:	زك	HAW	N Nounk	, AUAM TRAVIS.				Date		Sep	<u>г. 9</u>	[19	90_								
	[Sam	ote Lo	ocation		Τo	pogr	aphy			v	egeta	noita					Sol	 i 1	Data	;	
	ł			· · · · · · · · · · · · · · · · · · ·		<u> </u> ,		r 			T	·	I				<u>Cm</u> .	[``	<u>, i</u>	<u></u>	<u> </u>	<u> </u>
San	ple				Notes	sottom	of slope	_	sround	Wooded	Vooded			פ		Sampled	horizon pie	Horizon	Develop. ment	Porent	Moterial	
Nom	tier	Lìr	ne	Station		Valley E	Direction	Hill Top	Level (Heavily	Sparsely	Burnt	لموود	Grasslar	Swampy	Horizon	Depth to Sam	Good	Pcar	Drift	Bedrock	Colour
OFF	79485-5	0+0	ON	0+000	SUB ALDINE	20	ω				X					B	25	X			B	۶E
				OtSOW	SUB ALPINE				×		X					ß	30		X	·	<u>×</u>	٨B
	,			1+000	JUB ALPINE	3	E		i i		X					8	30	\times	$\downarrow _]$	 _	<u>×</u>	<u> </u>
N	15			1+500	A HORIZON OVER BEOROCK.											<u> </u>		ļ	ļ!	 -		
N	13			2+00 W	A HORIZON OVER BEDROCK.		ļ				ļ					1	<u> </u>		Į!	 +		
67728	485-5:			2150W	SUB ALPINE WITH STUNTED PINE TREES	5	ω	 		X	ļ					0	40		<u> </u>	 	<u>X</u> _	10
				3too W	30% ROCK FRAMMENTS	40	ω			X				ļ		H/B	40			┝───┦	<u>×</u>	<u>~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ </u>
 			L	3+50 W		30	ω			X					· · · · · · · · · · · · · · · · · · ·	15	35		1 <u>~</u>	\vdash	<u> </u>	<u> 20</u>
			. .	4+00 W	SAMPLED 2M. WEST OF OUTCROP.	10	NW	;		X				} • · ·	.	B	40			┥	<u>×</u>	
	4			4+50 W	SAMPLED FROM TAINS FINES/SANDSTONE ONTEREP	30	ω			. <i>,</i>	X					H/B	30	-	\mathbb{C}	··· _	<u>.</u>	
	+		Ļ	5+00 W_	30% Rock FRAGMENTS/ ADOR & HERIZON	: 35	NW	: 1			5		•	i		H/B	35	,	<u> </u>	·	<u>.</u>	\mathcal{P}
	· i			5+50 W	30% ROCK FRAGMENTS	AC	ω	1 .			χ. 					H/D	35		· ^-	i	<u>.</u> .	\mathcal{X}
				6+00 W	SAMPLED UNDER OUTCROP	45	ω_{\pm}	i 	i		<u>.</u>		•	1		0	20	: 🗘	1		Â	~ I
				6+50 W	· · · · · · · · · · · · · · · · · · ·	50	ω	¥		. 1	×.			1	:	D	00	0-		k	5	<u> </u>
			ļ	7+00W		171-6		ļ	<u> </u>	· · - · -				ļ		B	75	1			<u>-</u>	1
				7+50W		35	w w				. ○ .					0	2	$\overline{\mathbf{x}}$			<u>-</u>	
				\$100 W	JAMPLE TAKEN UNDER OUTCROP	30			}		0	· · ·		; 		10	35	$\overline{\mathbf{Y}}$	+	╄───┤	<u></u>	64
				8+50 W		0.0	$\frac{\omega}{\omega}$				×			.			25	X		<u>∔</u> }	. <u></u>	1
				9+00 W		25		1					.	.	ļ	B	25	X		<u> </u>	×	5
			.	9150W	DAMPIE TAKEN LATIN UPTUKNED IREC.	2.	ω.	!· ·	 1							R	45	1	÷	<u>+</u>	X	10
•			•	10+00 W	VEVIL'S CLUB	00		•	1		<u>^</u>			1			75	<u> </u> ^ .	1			<u></u>
NI	5			IDISO W	FI HORIZON OUER DEDROCK	t · ···		; . 	1		¦ •	.		1			1.2.1	÷	1			
N/:	5		· - ·	11+00 W	OKEEK 7 TOOK STAT SAMPLE	5	(.)	+ - · · ·	.	+	x) 	<u> </u>	i		A	40	X		1 1	X	1
677294 A 1 1 /	855			Iltow	A defend and a grad of	`	100	†	f	i	<u> </u>		d <u>-</u> -			1- <u>U</u> -	1. 2.0	1		<u>+</u>		بعسم
<u>/N/3</u> 70FF2	8485-5:		1	12+00 W	MOSS COVERED SLOPE	40"	ω				<u>*</u>					B	30	×			<u>B</u>	10
				 		 					 	'						<u> </u>	+	$\left - \right $		\vdash
	1.000	-	7 ize' -	C. S. S. S. Marster	1. A second sec second second sec	1	1	1	1.1.1.1.1		1 1 2			1.4		102.1			1			15

•

SOIL SAMPLES

Project:						Res	ults	Plot	ted E	3y: _		···								
Area (Grid)	:	·					Мар	ı: <u></u>	<u> </u>			N	1.T.S	. :	10.	<u>4 B</u> ,	115			
Collectors	: <u> </u>	N NovAk.	ADAM TRAVIS				Date	e	SE	<u>ρτ.</u>	12	19	<u>90</u>							
	Sample L	ocation		Τc	oboði	aphy			v	eget	ation		·			Soi	i 1	Data	,	
Sample			Notes	tottom	of slope		puno.	Wooded	Waaded			ט		Sampled	Horizon ole	Horizon	Develop – ment	Parent	Material	
Number	Line	Station		Valley B	Direction .	Hill Top	Level G	Heavily	Sparsely	Burnt	Logged	Grasslan	Swompy	Harizon	Capth to Samp	Good	Poor	Drift	Bedrock	Calour
90FF29485-5:	OtOON	13+00W	SWAMPY AREA - DOOR A HORIZON				X		<u>k</u>					R/B	40		X		X	BLACK
<u> </u> ↓		13+50W	40% Rock FRAYMENTS	30	ω	Ì		<u> </u>	K					AIB	35	-	X	 	×	DB
		14+00W	SWAMPY - 20% Rock FRAGMENTS	5				<u>×</u>		ļ				A/B	40		X	-	<u>×</u>	DB
N/S		14+5CW	A HORIZON OVER BEOROCK	ļ										0			<u> </u> !	┝──┤		ļ
1-Fr 21485-S:		15+00W	SWAMPY.	200		{	×	<u> </u>	<u> X</u>			• • • •		<u> </u>	50	<u>×</u>			×	LOB
	· · · · ·	15750W	DAMPIED FROM BASE OF FAMILAN TREE	40						/	·			0	15	<u> </u>	↓ ↓		<u>×</u>	LOB
		16700 W	Samples of Dedition Report		<u>~</u> _		Y	×						0	40		∮ Ì	┟╼╼╾╉		MOB
NIS		174000	A HORIZON ANTO ROOKAN	{		{	<u> </u>		{					15	55	<u>^</u> _	┟╌╌┥	┟╼╼╾╂╸	<u> </u>	<u> LB</u>
9 ce mur er	·····	171500	TI HOKIZON OVER DEDROCK				~	×		· ·		·····		R	AL.		{——	┝──╉	$\overline{\mathbf{v}}$	Dec
NIS		15+00(1)			1		<u> </u>							<u> </u>	<u>.</u>	<u>-</u>	<u> </u>	+	\sim	UCD
		18+50W		50	N		1	1	×	}				R	30	×	╏╴╴╸┥	┟╼╍╌┠	x	mil
		19+00W		<u> </u>	<u></u>	1	X		X		•••••••••			B	40	X	<u></u> }	t-	X	LB
		19+50W		3"	N	<u> </u>			k	• · · ·				B	55	X	[X	DRA
		20100W		5″	N	1			X					в	30	X	-		X	LOR
		20+500		15	N				×					в	40	X	f		×	LOB
		21+00W	MOSS COVERED AREA.				X		X					в	30	X			X	DOB
		21+50W		<u>3°</u>	E				X					B	40	X			X	LOB
		122+00W	ASH LAYER AT 10 CM.	15°	w	Ì			X					в	20	<u>_X</u> _			×	MCB
N/5		22+50W	A HORIZON OVER BEDROCK.					ļ								·				
90FF 28485-5		23+00W	60% ROCK FRAGMENTS, SLIDE ALDER	400	w			<u> </u>	X					AIB	25	2	¥		x	DB
		23+50W	60% Rock FRAGMENTS, POOR B HORIZON.	400	w	[ļ	X					AIB	40		ļ!		×	DB
N/5		24+000	A HORIZON OVER BEDROCK			 _		 									ļ!	 -		
<u>10FF29485-52</u>		24+50W		250	W				X					B	45	<u>×</u>	ا ا	 	X	<u> 108</u>
	— <u> </u>	25100W	TOP OF CLIFF - 50% ROCK FRAMMENTS	<u>5°</u>	IN.	 		X						B	25			┟━━━━╋	<u>×</u>	KOB
N/5		25+50W	OUTCROP.		 _	ļ	·											- -		
10FF28405-5:		26+000	Tau	<u>50°</u>	<u> </u> <u>w</u>				X	· · · ·				B	40			┝──╁	\mathbf{X}	KB
N/D		26+50 W	IHLUS SLOPE	D *		;					┝╼╼┨			010			┟╌╴┤	├──╁		<u> </u>
11		27400W	SHMALE TAKEN IN TAINS FINES	$\overline{\mathcal{Q}}$	μw.				Ι÷-					H/B	~ 4	<u> </u>	L÷I	┝╼╼╋	÷	유명

.

	KEEWATIN	ENWNEERING	INC.
--	----------	------------	------

50.00

3 10 - 14

SOIL SAMPLES

Project:	SUN	(2846)
Area (Grid):		

 $\mathbb{N}_{\mathbb{N}}$

Collectors: SHAWN NOUAK, ADAM TRAUIS

A 1. 124

2 6 M

. . . .

Results Plotted By: ____ Map: ____

_N.T.S. : __1048/15

SEPT 12, 1990 Date _

. 2

5.50

.

-1.

,

	Sample 1	ocation		Topography			Vegetation						Soil Data							
Saniple		Notes		ottom	of stope		round	Wooded	Wooded			U		Sampled	Horizon	Horizon	Derelop - ment	Parent	Material	
Number	Line	Station		Volley B	Direction o	Hill Top	Level G	Heavily	Sparsely	5 urnt	page.	Grasslan	S¥ompy	Horizon	Depth to Somp	Good	Poor	Drift	Bedrock	Calour
0 <i>FF29485-5</i> :	O+OON	28+00 W	MOSS COVERED AREA.	<u>5°</u>	ω				×					B	30	<u> </u>	×		X	LB
		28+50 W	SILT-LIKE CONSISTENCY		<u>í</u>		X	ر	<u>*</u>					B	45	X			X	LOB
		29+000	MOSS COVERED AREA.	150	E				X					B	25	×			X	LB
		29+50W		400	W				X	<u> </u>			1	B	45	X			X	MRR
N/5		30+00 W	A HORIZON OUER BEDROCK									L	Í							
N/5	ļ	30+300	A HORIZON OVER BEDROCK								L						ļ			
N/5	¥	31+00 W	15KWT RIVER	1	<u> </u>			<u></u>				L								
]	 	 			1	L				<u>}</u>	
	1			-	1				1		i : .		 	1						1
		1											1		1					
·		· · · · · · · · · · · · · · · · · · ·		· •																
														1	1	i •				
			i)]		:		1	
				} 1					•											1
						į			•		i j	1	1	1	1		ł	1	1	
				lan _	Į			[Í	1		1	1			
					1					Ì									1	
]		1	·						1		
													1	[1		1	1	[]	
											1						* * · · ·	· · ·· ·	י	
				1	1												* · ·	• • -		
				1										• <u></u> -			f ·		1	/ ,
	l			İ	i '								1		h		1			:
]			-	<u></u>	į			† ···· –	•	1		ţ -	j	 	
											• · •				1		1		i †	
												·		t			1	i		
		·		1		-			1					ļ	t	h	<u>†</u>			
	•									t							1			
Contraction of the second					14.55	19.40	1919 - 1		建石		સ્ટાકા	- A. T.	فيتونىدا	Li Car		1	14	وتوديني	30	
The second second	SMD 242 St		A CARACTER AND A CARA		1.	3.5		unda k 4	St. He	- 74	13,54	. وأقدير	1.0	Sec.	$2 \leq 30^{1}$			1.3	1. 22	Jan .
				16	1.2	5 × 5	10.99	1. S. S. S.	1	17. 44. 5	82.23	R AN	N.33 5	12 6	18 . A.	- 5-05-		- 4	<u></u>	2856

SOIL SAMPLES

Project: Sun (2846)

Here and

1. 1.30

ः । इत

 $\leq e^{2} \leq$

Area ((Srid):	<u></u>
---------	--------	---------

6. J. J.

١.

Results	Plotted	By: _
---------	---------	-------

. ĝ.

Map: _

_N.T.S.: 104 R/15

1

Collectors	: Steve	metaque				Date	, <u> </u>	ept	. 9	190	?				<u>,</u>	,				
	Sampte Lo	cation		То	pogr	aphy			V	egeto	ition					Soi	1	Data	1	
Soniple			Notes	ottom	of slope		round	Wooded	Wooded			ų		Sampled	Horizon ole	Horizon	Develop ment	Parent	Material	
Number	Line	Station		Valley B	Direction o	Hill Top	Level G	Heavily	Sporsely	R urb t	Logge:	Grasslan	Swampy	Harizon	Depth to Same	Good	Poor	Drift	Bedrock	Calour
1~1,25465-5:	LIDtoon	01000	trop of noll		00				×					ß_	10	\times			ļ!	28
1		0+500			De	r	ļ		×	·		•• · · · · · · · · ·	-•	LB_	30	>	<u> </u>		ĥ)GB
		1+00 00	edge & atcrop	ļ	Som	.	ļ		X					B	25				ł′	28
		1+5000		4	00				_X					L R	20	×.	í			KB
		2+00 00	atcop to N.B.		30%	<u>ا</u>		2	K	ļ				<u> </u>	25	X				KD
		2+50 -			C.K	<u>k</u>		<u> </u>	K			- • •	·	-P a	20	- C -l	+			20
		3+00 -	•		250	n		· >	(1		·		P	30	-X-				K D
		3+50 -			IS N	f			κ			···· -		D 0	30	× .				22
		9100	Deop Ush layer		D'A	u		2	ĸ					: D.	25					
	1 10	4150 W	state of Phyllite		40 0	w		X							20		, ×:		,	10
	• · ·	5+00 -			90 %	\$ 4		. X					<u>.</u>	e e	50		Ìv	;	н 1	∩ R
	·	5.00	Gravely moist ground to. of creek	· ·	L' y	¢v .		$\overline{\mathbf{v}}$,			; D	30	· · · -			:	POR
		6+00		1 .	HU M	464 1	t.	$\hat{\mathbf{v}}$			•			B	125		Ê I			ER
	· ·	6750-	Stagmark & slatt	 	40 0		1	Î Û -		i.				R	20	5	<u></u>			DR
	↓ <u> </u>	7400	gravely		50	φ	<u>}</u>	- <u></u>	• •- ··· •	1		<u>.</u>	•	$\frac{1}{p}$	30		F			08
	<u> </u>	7450-			win	¥	1 1		· ·	1	ł	;		R	35	$\uparrow \frown$	X	<u> </u>		<u>D</u> 2
		800			12 %	w	1	<u>.</u>	∔	1.	‡		• •	an	20			<u> </u> /	i	DIZ
		650-		-	10 4	w	-	X_		1 .		: :		R R	20	X	F			in
		9000			10 1	.			<u>∧</u>	ļ .		1.	-	B	25	L	↓		·	R
	:	9750 -	grouedy			:	•	1	2	ł		L :	1 1	ß	25			ii	ŕ ·	RB
		10+00		-	D w	ų	i.		Ç	-	1	•	.	R	175			. i		601
		10+50	A share that on the		Ou	4 J		4 - 11 C 1 - 1 - 1	Ĵ		:	-	÷ .	R	175	$\frac{1}{2}$		i - 1	l	RR
		11700 -	Hish layer above B HOT/ Her PROYSK	ane	20	, I	ł	-	<u> </u>	1		• • • • •	†	R	25	$\overline{\mathbf{v}}$	/	 	↓ I	RR
	i	11750	Ash layer above B 401:		120	<u>}</u>	<u>↓</u>		Ĵ		ł	.	•	15	30	Υ <u>γ</u>	1	<u>↓</u>	†	RB
		I ATOU			00		·		[i	R	37	fγ	1			1R
<u>v</u>		1250	1750 layer dove is Hov			<u> </u>			ſ			<u> </u>		Ť						
	•								-				. t	Tranks (S				- Jan K		
19107 61		G VOSIC			27541 22.00	1.72	1 A 17 - 3 									а т <u>а</u>	100	16. jans 32. jan	120	1200 C
1.4.5	57,4150Q.j	1 S. & KAT - MARCH			1 - 76.4%	2.0			1 S		10.000 84.000	and				2 17 19 2 19 19 19 19 19 19 19 19 19 19 19 19 19	100 Mar.	10.00	an ale contra See contra contra	10.00

SOIL SAMPLES

1

Project: Jun (2846)

Results Plotted By: _____

104 R/15 Map; _____ N.T.S.

College String, Mrt rais

Area (Grid): _____

Date Sept. 12/90

I.S.	:	 	<u> </u>		

12 .

Collectors		1 ingre	······································								/									
	Sample La	ocation		Τo	pogr	sphy			v	egeto	ation					Soi	1	Dote	a	
Sample			Notes	ottom	f slope		round	Nooded	Wooded			U		S ampl ed	Horizon de	Horizon	Develop ment	Parent	Material	
Number	Line	Station		Valley B	Direction o	HIII Top	Level G	Heavily \	Sparsely	Burnt	Logged	Grasslan	Swampy	Horizon	Depth to Samp	Good	Poor	Drift	Bedrock	Cotour
90128465-5:	LIDHOON	13 100 00			o°			<u>×</u>						B		\sim	ļ			R8
100-30/10- 21		13+5000	wast of outerow		35 m	,		\mathbf{x}	ļ					B		\mathbf{x}				RB
		14toc w	worth of ortwood		432	v .		X						ß		\mathbf{X}				RB
		14150 00	\$		YSIN	v		X						R			\times			DB
N/S		15+00 W	have another houlders frech Gall		1		1		1											
914/2844-5-5		15+50W			10%				k					B		×	<u> </u>			DR 13
10000000		1600 0			00				¥		l			B	<u> </u>	\times				DB
↓		16+5000	Been 14 Horizon		00				X	[ß	<u> </u>	X				08
1/15		17+00 00	Simon and the possible Hali Had.				1							Ţ			I			
Gaugalt C St		17457	strang of the date of the first		0°				X	1				B		X				DIOB
1022 2890 5-5	<u> </u>	12000			294		1		Ł	1				B		×				LB
	<u> </u>	IBISOW	The case is a second		Sauce	,	1		1	1				B		X			[RB
		10100 W	Flash of smell hill it orech) -			1		1		1			1			1	1		
All >		19400	Starty trappensy my poor deceroponni		Seiz			1	ţ	†				B	<u> </u>	X	1			RB
YOLL 28705-3		1000			2 Per			·	\int					AIR			X		1	OB
		AUTOO	Angelar slathy tragmonts		22			<u>+</u>	¥	<u> </u>				110	+	<u> </u>	1~		1	YP_
- 115	<u>i</u>	LOTSU	3036 slope man topot mil on outrop tace		1000		1		ţ—					12	1		\downarrow	<u>+</u>	1	pn
40LL28465-5:	ļ;	X1+00	Slatted tragments		200				<u></u>		<u> </u>			R	╉━╍╸	<u> </u>	$\overline{\mathbf{x}}$	1	+	10R
	ļ	21+50	Fragmented / poor B development		1050	<u> </u>			1	<u> </u>		<u> </u>					× ~	+		OR
	ļ	22400	Frequented.		D 5/	 	1		<u>x</u>	<u> </u>	┫━━━━			2	.+	1 ,	-	<u> </u>	+	DIZR
		22+50 0	artwop at sth.		5 700	F			╀──	····		┣───	{───	<u>+-₽</u> -			<u> </u>	<u>†</u>	+	
NIS	<u>v</u>	23+000	Tep of New Pours Slape / poor B Hor.		 						+			<u> </u>	+	<u> </u>				+
		ļ			<u> </u>		 		- 		┨───						+	+	<u> </u>	+
		L			ļ	ļ	┼──		+	 		<u> </u>	<u> </u>	 		 	┼──	+	╉───	
				ļ					+	┨───								┫━━━	+	
		_			 		1						 			<u> </u>		<u> </u>	<u> </u>	┨───
					 	<u> </u>	<u>↓</u>	 .	- 	<u> </u>	. <u> </u>	 	 			Į	 	╂───	╂───	┨
					 	 	 	_	l	 	1	 		 		—		╉━━━	╂	╂───
	<u> </u>	1			 	<u> </u>		┢╌╴	 	 						 		╂	+	
					 	 	1		<u> </u>	 	I	<u> </u>		1	- :	ļ	 	_		↓ `
	· · · ·			1	1	1	1	1	1	1	1	1		1		t	1		1	<u> </u>

STREAM SEDIMENTS

.

Project :	SUN (2846) STREAM	SED	IMEN	ITS	Resul	lts Pl	otted	By: .									
Area (Grid):					Μαρ:	:		•		N	.T.S.:		104	B/	15+	16	
Collectors :_	TRAVIS NOVAK				Date	:	_5£	PT	9	190	>						
			SEDI	MENT	r dat	A	S	TRE	AM D	ATA		(1)					
Sample	NOTES	te Se	ğ		>	ganic	ž	tive	dth	Ę	ė ک	R N	L L L L	[
Number		ö	Sar	Sil	ü	ŏ	Ċ	Ac	ŝM	å	cit cit	SP	៉ីថ័				
	LOCATION (@ 1+00N/3+75W																
90728481-00	1 SILT STONE FRAGMENTS + DECOMPOSED		25%	58%		30%		✓	1m	10cm	5						
	ORGANIES	<u> </u>	┝──	<u> </u>													
	LOLATION (0 0+00N/6+75W	-╂															
<u>L-002</u>	1		<u>~~%</u>	50%		30%		V	K0.5H	5cn	2						
		╉───		<u> </u>													
1-003		15%	35%	50%				\checkmark	3M	5cm	F						
			· · · · · · · · · · · · · · · · · · ·									1					
				<u> </u>										<u> </u>			
					 			ļ		.			<u> </u>	ļ			
			<u> </u>				 		ļ					<u> </u>			
		_	ļ	ļ					ļ				ļ				
		<u>.</u>	 	 		 		 	 					ļ			
		_							<u> </u>								<u> </u>
		-	 		<u> </u>				 		ļ			ļ			
															<u> </u>		
		-			<u></u>									ļ			<u></u>
	· · · · · · · · · · · · · · · · · · ·			÷					┨───		-						
									 	····		 		ļ			<u>.</u>
								+		+	 						
			+		<u> </u>	1		<u> </u>		<u>† </u>	<u> </u>	<u> </u>			┠───┤	}	
			1	1		1				1	1	<u> </u>					
		-	-									<u> </u>					<u></u>
		-	1	1	1	1	1		1	1	1	1					
			1	1	1	1				T	1]		[

		KEEWATIN E	NGI	NEE	RIN	IG I	NC.											
Project:	SUN (2846)	STREAM	SED	IMEN	TS I	Resul	ts Pl	otted	By: .									
Area (Grid):		<u></u>				Map:			•		N	.T.S.:		104	<u> B /</u>	15		
Collectors :	TRAVIS/NOVAK				i	Date:	·	SEP	TIG)/9	0							
				SEDI	MENT	DAT	A	S	TRE	AM D	ATA							
Sample	NOTES		vel	p		~	anid	¥	e Live	ith	οţ	ά.	N	L L L	ļ			ľ
Number			Ğ	San	Sit	Ü	ōŪ	8ar	Act	Wic	Dei	c c c c	SPI	83				
90728464-004	LOTOON/16+BOW			~	$\overline{}$				~	J.E	505	M						
																	<u> </u>	
										·								
														<u></u>				
										<u> </u>								
														 				
			-															
		<u></u>													 			
	···· · ···														. 			
										<u> </u>			. <u></u> .					
										<u> </u>	ļ							
									·									
								<u> </u> .		<u> </u>								
		<u>,</u>																{

STREAM SEDIMENTS

1

Project: SL	m (2645)	STREAM	SED	IMEN	TS	Resu	lts Pl	otted	Bv:									
Area (Grid):	:					Μασ	1.	0.00	0 B	tSĔ	N	.T.S.:	jou	1 B/	15			
Collectors:	Store Michaque / Rick Horsener					Date	. ~	4.6	1/91	-								
				SEDI	MENT	T DAT	A	5	STRE	AM D	ATA							
Sample	NOTES		e K	t T		>	Janic	¥	tive	ath	οť	٥.	N R	۲ ۲				
Number			υĞ	Sar	Silt	Cla	ŏ	Bar	Aci	Wic	Del	ci <	SPI	63				
90H 1845	Lastin 5+25 1/ 10 100 N		50%	50%					~	0,30	0.10	M			i			
1-001	covered by fallow timber																	
															ļ			
]							<u> </u>			
			 		i										ļ			
													·					
				<u> </u>														
<u> </u>									 		<u></u> 	·!	·				-	
									1						 		 	
																	·	
,			Į			ļ	ļ			 	<u> </u>	ļ			ļ			
			 				<u> </u>							<u> </u>				·
	· · · · · · · · · · · · · · · · · · ·							 				ļ						
			<u> </u>						<u> </u>	 	 	 						
	/						1		<u> </u>						 			
			1										<u> </u>			†		
	8																	
					<u> </u>	<u> </u>	<u> </u>			<u> </u>	<u> </u>	ļ						
· · · ·			 	[<u> </u>		ļ	<u> </u>		<u> </u>	ļ				T	
			 			 					 							
									1		1							

1

	KEEWATIN E	NGI	NEE	RIN	IG I	NC.											
Project:	SUN 2846 STREAM	SED	IMEN	TS	Resu	lts Pl	otted	By: .									
Area (Grid):	LIOTOON				Мар		0,00	06	<u>Usé</u>	N.	T.S.:		04	8/1	5		
Collectors :_	R. HONSINGER, S. M. TAGUE				Date	:	DEPT	/2	2,1	990	2						
	· · · · · · · · · · · · · · · · · · ·		SEDI	MENT	DAT	A	S	TRE/	AM D	ATA						Ĭ	
Sample	NOTES	vel	Ţ		۲	Janic	¥	tive	đth	БЪ	۵.	N	L L L				
Number		Ű	Sar	Silt	Cla	ŏ	Ba	Ac	Ř	a m	> ü	SPI	60				
90H2846	L10+00 ~ / 16+00 ~ taken hom		30%	30%		4070			2.50	0.13	Ø						
L-002	inactive stepm																
									1								
<u>10H2846</u>	Taken from pool at food of 20 food	50%	50%			10			2.00	0.20	<u> </u>						
1.003	LIFSO MOTSO																
90H2846	From slow moving neeks abundant	15%	15%			707.			0,20	0.10	5						
1-004	organica, Erounded & phyllite pebbles.	ļi										ļ					
	-10+00N / 18+90 W																
9042846	From week at LIO+00 N/20+25 W. Province	<u>507</u>	40%	10%		Ø		<u> </u>	0.50	0.15	M	_	¦		1		
1-005	To creek junction to SW. Active	<u> </u>															
														<u> </u>			
													ļ				
	· · · · · · · · · · · · · · · · · · ·	ļ									i		}				
	and the state of t	 			·	<u> </u>			. <u> </u>								
		 															
					<u> </u>						<u> </u>			<u> </u>			·
											 						
									<u> </u>	<u> </u>			 				
<u></u>		1							<u> </u> ───				†				
			}							<u> </u>				·			
												1					
									<u> </u>]					
										<u> </u>	L		<u> </u>				
	······································			 													
			.	1		l									1		I

APPENDIX 5

.

·.

Geochemical Results

Keewatin Engineering Inc.

·

.

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 0S-0538-RJ1 DATE: 90/09/24 * ROCK * (ACT:F31)

.

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PP B		
90T284b R-001 90T284b R-002 90T284b R-003 90H284b R-001 90H284b R-002	125 164 112 2 35	31.5 45.7 41.3 17.4 17.5	20 26 27 6 11	69 76 66 23 37	89 71 154 28 25	29 23 43 28 54	4 4 6 1 2	2 1 2 2 2	110 105 75 55 65		
									n,		
							<u> </u>			· · · · ·	
				- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 1							
					<u> </u>						
										. <u> </u>	

~

•

.

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 0S-0538-SJ2+3 DATE: 90/09/24 • SOIL * (ACT:F31)

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	NO PPM	HG PPB	
FFS-S:L0+00N-0+00W	1	1.7	45	33	178	1	1	3	130	
FFS-S:L0+00N-0+50W	2	1.3	27 15	10 32	121	3 1	í	í	85	
FFS-S:L0+00N-2+50W	1	2.7	40	9	40	1	1	1	210	
FFS-S:L0+00N-3+00W	1	.2	43	31	100	27	1	2	300	
FFS-S:L0+00N-3+50W	1	.2	34	27	77	1	1	1	225	
FFS-S:L0+00N-4+00W	2	2.8	20 62	15 30	51	1 45	1	1	245 165	
FFS-S:L0+00N-5+00W	i	.6	26	29	62	1	ī	1	320	
FFS-S:L0+00N-5+50W	3	.6	24	38	63	1	1	1	165	
FFS-S:L0+00N-6+00W	2	.5	38	33	92	1	1	1	150	
FFS-S:L0+00N-6+50W	4	.3	27	16	89 45	4	1	1	125	
FFS-S:L0+00N-7+50W	1	2.0	24 31	13	36	1	ł	t	345 °	
FFS-S:L0+00N-8+00W	2	_1	23	25	58	23	1	2	150	
FFS-S:L0+00N-8+50W	2	.3	30	26	72	1	1	1	255	
FFS-S:LO+OON-9+OOW	1	1.3	34	23	53	1	1	1	155	
FFS-S:L0+00N-9+50W	2	3.5	58 63	16	45	1	1	1	305	
FFS-S:L0+00N-11+50W	i	.4	27	15	72	i	i	i	165	
FFS-S:L0+00N-12+50W	2	.7		14	61	1	1	1	245	
FFS-S:L0+00N-13+00W	2	1.8	68	31	2453	1	i	1	265	
FFS-S:L0+00N-13+50W	1	1.6	30	24	145	1	1	1	205	
FFS-S:L0+00N-14+00W	2	1.1	49	21	356	1	1	1	275	
FFS-5:L0+00N-15+00W									170	
FFS-S:L0+00N-15+50W	1	.4	19 20	24 38	71 53	1	1	5	205	
FFS-S:L0+00N-16+50W	2	.2	37	27	87	i	1	1	165	
FFS-S:L0+00N-17+50W	3	1.9	21	9	46	1	1	1	255	
FFS-S:L0+00N-18+50W	1	1.2	27	17	87	1	1	1	180	
FFS-S:L0+00N-19+00W	1	2.0	35	15	112	1	1	1	290	
FFS-S:L0+00N-19+50W	1 7	1.2	22	10	19	1	1	1	395	
FFS-S:L0+00N-20+50W	1	.2	25	11	130	1	1	1	250	
FFS-S:L0+00N-21+00W	2	2.5	41	10	17	1	1	1	320	
FFS-S:L0+00N-21+50W	1	2.2	42	10	23	1	1	1	345	
FFS-S:L0+00N-22+00W	1	1.0	29	10	62	1	1	1	320	
FFS-S:L0+00N-23+00W	2	.5	48	35 25	125	1	1	1	195	
FFS-S:L0+00N-24+50W	1	1.2	119	24	281	i	1	1	300	
FFS-S:L0+00N-25+00H	2	.5	35	18	113	1	1	3	145	
FFS-S:L0+00N-26+00W	3	.1	145	28	401	1	1	2	265	
FFS-S:L0+00N-27+00W	1	.1	64	24	250	1	1	2	245	
FFS-S:L0+00N-27+50W	1	.4	22	22	107	1	1	1	190 140	
TTSTS:LUTUUN ZOTUUW	6	.0	20	<u> </u>	147	<u> </u>			140	
FFS-S:L0+00N-28+50W	1	5.1	25	10 21	58 143	1	1	1	290 130	
FFS-S:L0+00N-29+50W	1	1.0	29	26	206	1	1	1	195	
LLS-S:L10+00-0+00W	1	2.7	23	10	50	1	1	1	295	
LLS-S:L10+00-0+50W	6	1.0	18	17	54	1	1	1	240	
LLS-S:L10+00-1+00W	2	2	10	10	58	1	1	1	145	
LLS-S:L10+00-1+50W	1	3.0	27	10	44	1	1	1	Z50	
LLS-S:L10+00-2+50W	2	.o 1.4	16	13 10	50 71	1	1	1	210	
LLS-S:L10+00-3+00W	1	.1	24	14	72	1	i	1	140	
LLS-S:L10+00-3+50W	1	.4	21	19	48	1	1	1	255	
LLS-S:L10+00-4+00W	3	1.9	25	10	32	1	1	1	265	
LLS-S:L10+00-4+50W	2	1.3	18	18	45	1	1	1	180	
1 LLS-S:L10+00-5+00W	1	,6 z	19 25	28 24	70	1	1	1	145	1
LEG-01610-00-3750W	6			67	144	<u> </u>	F			

٠

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 0S-0538-SJ4 DATE: 90/09/24 SOIL (ACT:F31)

.

.

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPH	AS PPM	SB PPM	MO PPM	HG PPB		
LLS-S:L10+00-6+00W LLS-S:L10+00-6+50W LLS-S:L10+00-7+00W LLS-S:L10+00-7+50W LLS-S:L10+00-7+50W LLS-S:L10+00-8+00W	9 12 1 2 2	1.7 1.6 1.3 1.6 .9	34 38 38 36 24	22 28 36 30 28	136 70 92 88 95	1 1 1 1	1 1 1 1	1 1 1 1 1	210 285 245 170 185		
LLS-S:L10+00-8+50W LLS-S:L10+00-9+00W LLS-S:L10+00-9+50W LLS-S:L10+00-10+00W LLS-S:L10+00-10+50W	1 3 2 2 1	1.4 .1 .5 2.3 .8	46 24 44 53 26	24 31 25 10 19	106 78 123 66 48	1 12 1 1 1	1 1 1 1 1	1 1 1 1 1	260 155 220 410 175		
LLS-S:L10+00-11+00W LLS-S:L10+00-11+50W LLS-S:L10+00-12+00W LLS-S:L10+00-12+50W	2 2 3 1	.4 .2 1.7 .4	22 24 57 31	24 25 28 31	49 54 73 83	1 23 1 7	1 1 1 1	1 1 1 2	155 160 365 165		
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								_	•
											5
											2
											,
											•

-

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 (604)980-5814 OR (604)988-4524 FILE NO: 0S-0589-SJ1 DATE: 90/10/03 SOILS * (ACT:F31)

•

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	S8 Ppm	MO PPM	HG PPB		
LLSS L10+00N 13+00W LLSS L10+00N 13+50W LLSS L10+00N 14+00W LLSS L10+00N 14+50W LLSS L10+00N 15+50W	2 1 2 1 3	.3 3.9 .8 .5 2.2	26 56 39 68 34	17 4 18 28 4	59 52 63 107 43	1 1 16 1	1 1 1 1 1	1 1 1 1 1	200 240 200 190 180		
LLSS L10+00N 16+00W LLSS L10+00N 16+50W LLSS L10+00N 17+50W LLSS L10+00N 18+00W LLSS L10+00N 18+50W	1 2 2 1 1	1.0 .7 1.2 1.0 1.4	73 14 25 45 27	34 37 9 14 27	249 59 61 146 63	1 1 1 1 1	1 1 1 1 1	1 1 1 1 1	280 130 270 255 260		
LLSS L10+00N 19+50W LLSS L10+00N 20+00W LLSS L10+00N 21+00W LLSS L10+00N 21+50W LLSS L10+00N 22+00W	2 1 6 3 2	1.8 .5 1.1 3.5 3.0	68 70 33 29 30	34 36 26 11 4	51 168 61 109 52	1 1 1 1	1 1 1 1	1 1 1 1 1	390 210 175 105 150		
LLSS L10+00N 22+50W	1	1.4	27	12	53	1	1	1	260		
										•	
			. <u> </u>								
			·								
										,	- -
										,	

COMP: KEEWATIN ENGRG. PROJ: 284B ATTN: R.NICHOLS/R.PEGG		MIN 705 WEST	(-EN) T 15TH S (604)9	LABS — T., NORT H 80-5814 0	- ICP VANCOUVI R (604)98	REPOI ER, B.C. V 38-4524	хт 7м 1т2	\bigcirc		FILE NO: DA * SILT *	0S-0538-SJ TE: 90/09/2 (ACT:F31
SAMPLE NUMBER 90H284B L-001 90T284B L-001 90T284B L-002 90T284B L-003	AU PPB 2 2 1 3	AG PPM .8 1.1 .8 .1	CU PPM 33 22 18 48	PB PPM 25 19 29 26	ZN PPM 127 150 120 156	AS PPM 1 1 1 33	SB PPM 1 1 1 1	мо ррн 1 1 1 2	HG PPB 135 95 100 175	<u></u>	
		. <u> </u>				<u> </u>				•	
											· · · · · · · · · · · · · · · · · · ·
										,	
					<u></u>						:
					. <u></u>						

•

.

.

.

MIN-EN LABS - ICP REPORT

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 112 (604)980-5814 OR (604)988-4524 FILE NO: 05-0589-5J2 DATE: 90/10/03 • SILT • (ACT:F31)

•

SAMPLE NUMBER	AU PPB	AG PPM	CU PPM	PB PPM	ZN PPM	AS PPM	SB PPM	MO PPM	HG PPB		
90H 284B L-002 90H 284B L-003 90H 284B L-004 90H 284B L-005	1 2 1 1	1.4 .2 .2 .5	40 34 34 39	21 24 22 45	250 201 185 536	1 1 1	1 1 1 1	1 1 1 1	135 75 105 220		
											
										<u></u>	
				<u>-</u>	· · · ·	•					
		<u> </u>								· · ·	• • •
										· · · · · · · · · · · · · · · · · · ·	
				<u></u>	<u>. </u>						
									<u>.</u>		<i></i> .

۰.

.

CANADA V7M 112	UVER, B.C.	

OCT 02 '90 13:09 MIN-EN LABS VANC.

.

.

110 P02

COMP: KEEWATIN ENGRG. Proj: 2848 Attn: R.Nichols/R.Pegg		MI: 705 WE	N-EN 1 ST 15TH S (604)9	LABS - 1., NORTH 80-5814 C	- ICP VANCOUVE R (604)98	REPO R. S.C. V 38-4524	R T 7n 1t2			FILE NO: 1 Dat: * \$011 *	0V-1522-SJ E: 90/10/0 (ACT:F31)
SAMPLE NUMBER	AU PPB	AG PPM	CU PPH	PB PPM	ZN PPM	AS PPN	SB PPM	HO	HQ PPB	··	
90T-2848-L-004	1	.7	38	24	201	1	1	1	190		
											
								<u> </u>			
										<u></u>	
					····-	*** 	·				
	<u> </u>		<u>.</u>								
						••••••					

							······································	**************************************			
										<u> </u>	- <u></u>
<u> </u>		<u> </u>	<u> </u>	·							

.

1



GEOLOGICAL BRANCH ASSESSMENT REPORT 21,021

LEGEND

ARG CONGL GRY PHYLL SLT SST

argillite conglomerate greywacke phyllite siltstone sandstone

bd cg frags Py tr QV bedded coarse grained fragments pyrite trace quartz vein

∴ ×

outcrop(large, small) bedding anticline syncline swamp legal corner post(from government claim map) -100 foot contour interval

NOTE: Geology by R. Honsinger & A. Travis.



)=-
1	

LEGEND

×	Soil sample.
0	Silt sample.
⊕	Helipad.
—x—	Traverse location.
- 4500-	100' contour interval.
N/5	No sample
+	Legal corner post (from government claim map)

GEOLOGICAL BRANCH ASSESSMENT REPORT

21,021

0 100 200 300 400 500 m

CANADIAN CARIBOO RESOURCES LTD.

SUN

SOIL & SILT SAMPLE LOCATIONS

DATE: DEC. 1990	NTS: 104B/15E,16W
PROJECT: 284 B	PROJ. GEOL.
SCALE: 1 : 10,000	
Keewatin Engineering	Inc. MAP No. 2



GEOLOGICAL BRANCH ASSESSMENT REPORT 21,021

LEGEND

Soil sample.
Silt sample.
Helipad.
Traverse location.
100' contour interval.
No sample
ppm Ag, ppm Zn
Legal corner post (from government claim map)

GEOCHEMICALLY ELEVATED/ANOMALOUS RESULTS

SAMPLE NO.	RESULT 3.3 ppm Ag	
90FF284BS-S:L0+00/9+50W		
· /10+00W	3.6 ppm Ag	
/13+00W	2,453 ppm Zn	
/14+00W	356 ppm Za	
/26+00W	401 ppm Zn	
/28+50W	3.1 ppm Ag	
90LL284BS-S:L10+00N/13+50W	3.9 ppm Ag	
/21+50W	3.5 ppm Ag	
90H284BL-005	536 ppm Zn	



CANADIAN CARIBO	RESOURCES LTD.			
CI	IN			
SUN				
SOIL & SILT SAM	IPLE RESULTS			
(ppm Ag	, ppm Zn)			
DATE: DEC. 1990	NTS: 104B/15E,16W			
PROJECT: 284 B	PROJ. GEOL.			
SCALE: 1 : 10,000				
Keewatin Engineering	Inc. MAP No. 3			

