

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 89.11.09

ASSESSMENT REPORT 18411

MINING DIVISION: Liard

PROPERTY: RDN  
LOCATION: LAT 56 58 00 LONG 130 38 00  
UTM 09 6314649 400691  
NTS 104B15E  
CLAIM(S): RDN 1-4  
OPERATOR(S): DeBock, N.B.  
AUTHOR(S): DeBock, N.B.  
REPORT YEAR: 1989, 32 Pages  
COMMODITIES  
SEARCHED FOR: Gold  
KEYWORDS: Triassic, Andesite, Greenstones, Pyrite  
WORK  
DONE: Prospecting  
PROS 250.0 ha  
ROCK 27 sample(s) ;ME  
SILT 10 sample(s) ;ME

LOG NO: 0210	RD.
ACTION:	
FILE NO:	

LOG NO: 0705	RD. 2
ACTION: Date received report back from amendments. 32p	
FILE NO:	

PROSPECTING REPORT  
ON THE  
RDN 1-4 MINERAL CLAIMS

Located in the Forrest Kerr Area,  
Liard Mining Division  
NTS 104B/15E  
56° 58' North Latitude  
130° 38' West Longitude

FILMED

-prepared by-

Neil DeBock, Prospector

January, 1989

18,411

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

PROSPECTING REPORT ON THE RDN 1-4 MINERAL CLAIMS

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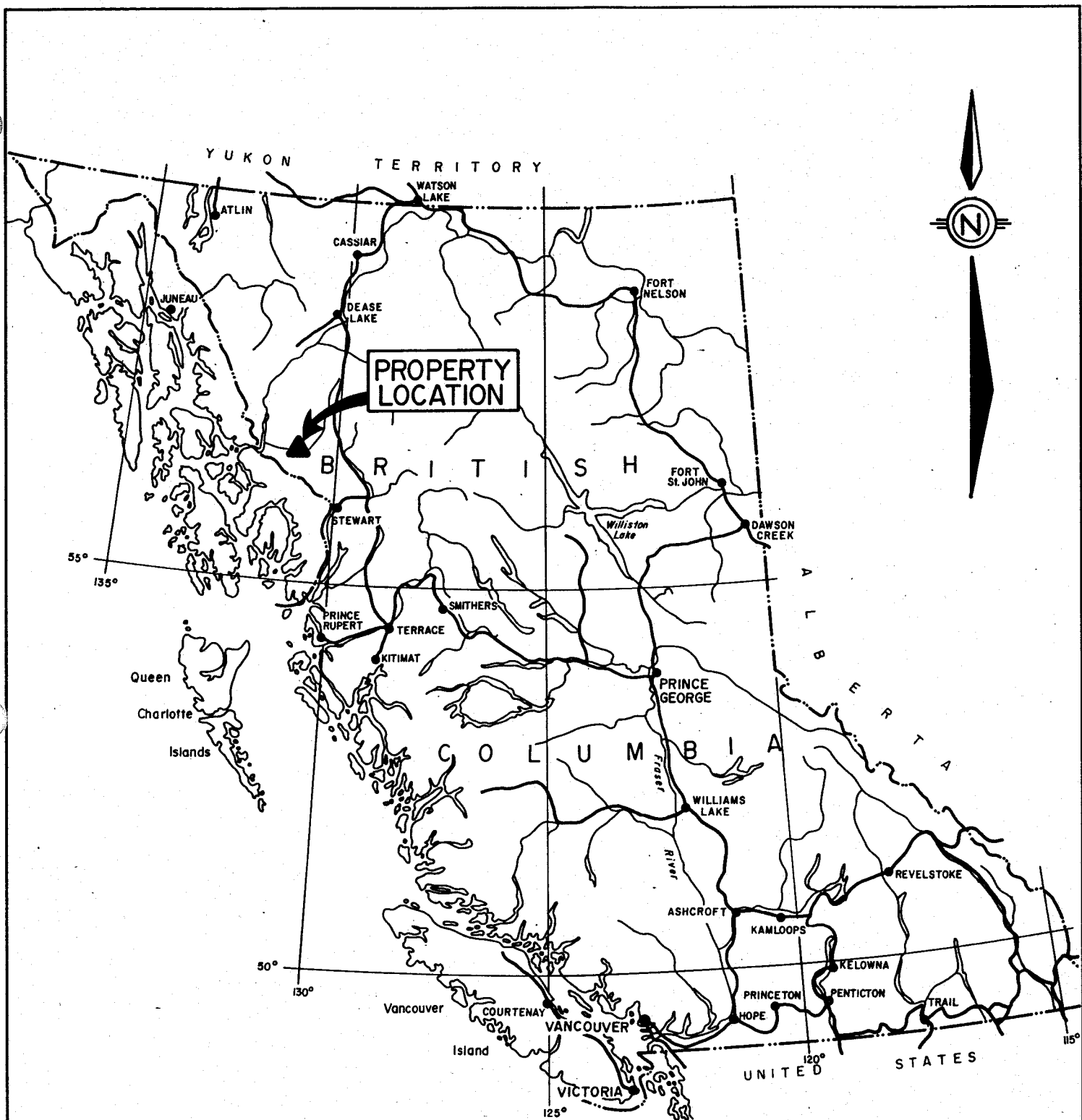
## 1.0 INTRODUCTION

The RDN 1-4 mineral claims were staked in October 1987 to cover favorable geology similar to that hosting the high-grade Stonehouse (Skyline Explorations Ltd.) and Snip (Cominco/Delaware Resource Corp.) gold deposits in the Iskut River area of northwestern British Columbia (Figure 1). Each of these deposits, located approximately forty-five kilometers southwest of the RDN 1-4 claims, has reported reserves of at least one million tonnes grading 24 grams gold per tonne (0.7 oz/ton gold). During the 1988 field season, numerous other significant gold discoveries were reported throughout the Iskut River area including Gulf International Minerals Ltd.'s McLymont Project twenty-two kilometers to the southwest of the RDN project area and Calpine/Consolidated Stikine Silver's Eskay Creek discovery located thirty-five kilometers to the south-southeast. The Iskut River area is one of the more exciting and promising gold areas currently under exploration in British Columbia.

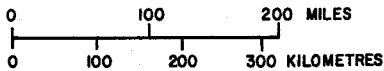
In September 1988, prospecting was conducted on the RDN claims in order to fulfill government assessment work requirements.

## 2.0 LIST OF CLAIMS

Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following mineral claims, located in the Liard Mining Division, are owned by Neil Debock (Figure 2).



**RDN 1-4 Claims**  
**PROPERTY LOCATION MAP**  
 LIARD MINING DIVISION, B.C.



Drawn	NTS. 104 B/15E	Date. Jan., 1989	Figure. 1
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Claim Name	Record Number	No. of Units	Record Date	Expiry Year
RDN 1	4341	10	November 9, 1987	1989
RDN 2	4342	10	November 9, 1987	1989
RDN 3	4343	10	November 9, 1987	1989
RDN 4	4344	<u>10</u>	November 9, 1987	1989
		40		

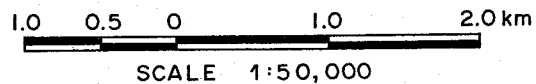
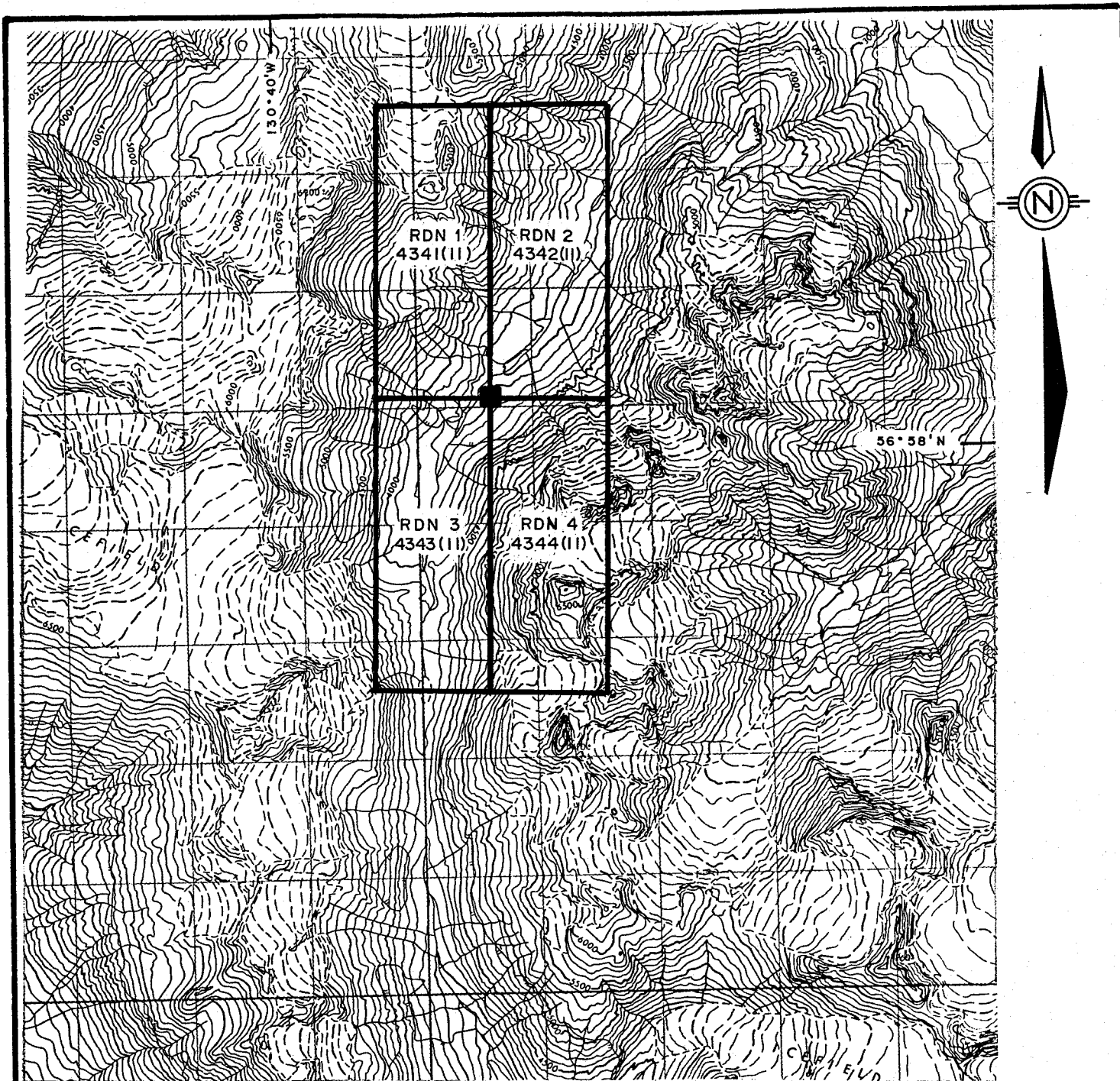
On November 9, 1988, each of the above claims were reduced from an original claim size of 20 units and were grouped as the RDN group. The location of the common legal corner post for the RDN mineral claims was verified by the author as shown on Figure 2.

### 3.0 LOCATION, ACCESS AND GEOGRAPHY

The RDN mineral claims are located on an unnamed tributary of Forrest Kerr Creek in the Coast Range Mountains, approximately 110 kilometers northwest of Stewart, British Columbia and 100 kilometers east of Wrangell, Alaska (Figure 1). The claim lies within the Liard Mining Division, centered at 56° 58' North latitude and 130° 38' West longitude.

Access to the property is by helicopter from the Forrest Kerr gravel air strip located approximately ten kilometers to the southwest of the claim group. This strip is suitable for STOL aircraft with approximately 370 meters of usable surface. Alternatively, access may be obtained through the Bronson Creek gravel air strip, located approximately forty kilometers to the southwest (Figure 2). Daily scheduled flights using fixed wing aircraft link the strip to Smithers during the field season.

The RDN group lies across a pass that links an unnamed tributary of Forrest Kerr Creek to the south with a tributary of the Iskut River flowing to the east. Topography is rugged,



<h1>RDN 1-4 Claims CLAIM MAP</h1> <p>LIARD MINING DIVISION, B.C.</p>			
DRAWN BY:	NTS: 104B/15E	DATE: Jan., 1989	FIGURE: 2

typical of mountainous and glaciated terrain, with elevations ranging from 975 meters above sea level on northern boundary of RDN 2 to over 2000 meters on an unnamed peak on the southern boundary of the RDN 4 claim. Outcrop exposure is generally quite good throughout the property but may be partially masked by vegetation below treeline and glacier/talus covered areas.

Most of the property lies above treeline, covered by open alpine vegetation. Both summer and winter temperatures are moderate although annual rainfall may exceed 200 centimeters and several meters of snow commonly fall at higher elevations.

#### 4.0 PROPERTY MINING HISTORY

##### 4.1 Previous Work

The first recorded work in the Iskut River area (Figure 3) was done in 1907 by a prospecting party from Wrangell, Alaska who staked nine claims north of Johnny Mountain. Iskut Mining Company subsequently worked crown-granted claims along Bronson Creek and on the north slope of Johnny Mountain. By 1920, a nine-meter adit had revealed a number of galena-bearing veins and stringers.

In 1954, Hudsons Bay Mining and Smelting located the Pick Axe showing and the high grade gold-silver-lead-zinc float on the open upper slopes of Johnny Mountain which ultimately led to Skyline Exploration's Stonehouse Gold deposit. The claims were worked and subsequently allowed to lapse.

During the 1960's, several major mining companies conducted helicopter-supported reconnaissance exploration programs in their search for porphyry copper-molybdenum deposits. Several claims were staked on Johnny Mountain, including some by Cominco over a



gold-bearing quartz vein which was developed much later into the Snip gold deposit.

In 1969, Skyline Explorations Ltd. staked the Inel property after discovering massive sulphide float originating from the head of the Bronson Creek glacier. They restaked the Reg property on Johnny Mountain in 1980. In the following years, Skyline carried out extensive trenching, drilling and underground development on mesothermal polymetallic veins on both the Reg and Inel properties, defining zones of high grade gold-silver mineralization. Total reserves for the Stonehouse Gold deposit on the Reg claims are reported at 622,000 tonnes grading 19.5 grams gold per tonne in January 1988 ( Skyline Annual Report, 1989). Milling operations are currently underway at a rate nearing 300 tonnes per day. Underground exploration continues on the Inel property.

Cominco Ltd. and Delaware Resources Ltd. are developing the Snip deposit, located five kilometers northwest of Skyline's Stonehouse Gold deposit, for production in near future. Current reserves on the Twin zone total 1.43 million tonnes grading 21.9 grams gold per tonne (Delaware, 1988).

Calpine Resources Inc. and Consolidated Stikine Silver Ltd. have reported exceptional results in their recent drilling program at Eskay Creek located forty kilometers south-southeast of the RDN claims. This program returned intersections up to 83.5 meters grading 5.9 grams gold per tonne and 51.4 grams silver per tonne in drill hole CA88-9 (Northern Miner, January 2, 1989). Within this interval was 18.0 meters grading 20.6 grams gold per tonne and 96.0 grams silver per tonne.

At the headwaters of McLymont Creek some twenty kilometers northwest of the RDN group, Gulf International Minerals is actively exploring Permian limestone-hosted skarn zones found

along a prominent northeast trending structure on the McLymont 3 mineral claim. The drill results to date have outlined the gold-bearing zones over a strike length of 300 meters and to a depth of 150 meters. The mineralized horizons are variable in width with intersections up to 45.5 meters grading 7.1 grams gold per tonne in drill hole 88-28.

No work has been reported on ground currently covered by the RDN mineral claims.

#### 4.2 1988 Work Program

During September of 1988, I carried out three days of prospecting on the RDN claim group. This exploration was targeted at quartz-sulphide veins similar to those occurring elsewhere in the Iskut River district.

During the course of this program, ten stream silt samples and 27 rock samples were taken. All samples were submitted to ECO-TECH Laboratories Labs Ltd. in Kamloops where they were dried, sieved to -80 mesh and analysed geochemically for gold and 31-element ICP. Geochemical certificates are found in Appendix C.

#### 5.0 REGIONAL GEOLOGY

Government mapping of the general geology in the Iskut River area (Kerr, 1948; GSC Maps 9-1957 and 1418-1979) has proven to be incomplete and unreliable. Subsequent mineral exploration mapping has greatly enhanced the lithologic and stratigraphic knowledge of the area (Figure 3).

The oldest rock assemblage in the Iskut River district consists of Paleozoic crinoidal limestone (Unit Pc) overlying

metamorphosed sedimentary and volcanic members (Units CPsn and CPsv). This oceanic assemblage has been correlated with the Cache Creek group elsewhere in the province.

Unconformably overlying the Paleozoic limestone unit are Upper Triassic Hazelton Group island arc volcanics and sediments, referred to informally as the "Snippaker Volcanics" (Units uTsv, uTs, uTp, uTv and uTvd). Grove (1986) correlates this assemblage to the Unuk River Formation of the Stewart Complex whereas other writers match this group with the time-equivalent Stuhini Volcanics. Monotis fossils have been recognized on the north slope of Snippaker Peak and west of Newmont Lake giving an age of Late Triassic. This volcano-sedimentary package hosts the Reg, Snip and Inel deposits.

Grove reports an unconformity between Carboniferous and Middle Jurassic strata on both sides of Snippaker Ridge, north of Snippaker Peak. The same unconformable relationship between these major rock units appears to extend from Forrest Kerr Creek west along the Iskut River to its junction with the Stikine River. Present interpretation suggests an east-west trending thrust along the axis of the Iskut River which, like the King Salmon Thrust Fault, pushed up and over to the south.

Following the Iskut River thrust faulting, the entire region was overlain by Middle Jurassic Hazelton Group volcano-sedimentary rocks correlated by Grove (1986) to the Betty Creek Formation (Units JHs, mJHs, mJvr and mJvr). Subvolcanic orthoclase porphyry stocks (Unit KTgp), dated as Jurassic by Nagy (1986), occur near all significant gold occurrences and may be genetically related to mineralization.

The batholithic Coast Plutonic Complex intrusions in the Iskut region are of Triassic to Cretaceous age. Composition varies from quartz monzonite to granodiorite.



## LEGEND

- QUATERNARY**  
Rvb basalt, cinders, ash
- JURASSIC AND CRETACEOUS**  
JKe siltstone, greywacke, conglomerate
- JURASSIC**  
JHs, mJHs siltstone, greywacke, conglomerate, shale, tuff  
mJev volcanic breccia, conglomerate, sandstone, tuff  
mJvr rhyolite, breccia, tuff, andesite  
Jp shale  
Jcg conglomerate, grit, greywacke  
Jjev breccia, tuff, conglomerate, sandstone
- TRIASSIC**  
Uts tuff, siltstone, limestone, breccia  
Utp phyllite, argillite, siltstone, greywacke  
Utsv undifferentiated andesitic volcanosedimentary rocks  
Utc limestone  
Utd andesite, pyroclastic rocks, greenstone  
Utv andesite, basalt
- PERMIAN**  
Pc limestone, minor calcareous shale
- CARBONIFEROUS AND PERMIAN**  
Cpn schist, gneiss  
CPsv greenstone, limestone, shale, clastic sedimentary rocks

### INTRUSIVE ROCKS

- TERTIARY**  
ETfp granite and syenite porphyry  
ETqm quartz monzonite  
ETgd granodiorite  
ETmz monzonite

- CRETACEOUS AND TERTIARY**  
KTfp felsite, feldspar porphyry  
KTqm quartz monzonite  
KTgp granite porphyry, granophyre, syenite

- CRETACEOUS**  
Kg granite  
Khb hornblendite

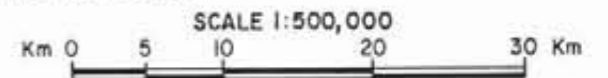
- JURASSIC AND CRETACEOUS**  
JKdi diorite  
JKqd quartz diorite

- JURASSIC**  
Jdi diorite  
Jyd syenodiorite

- TRIASSIC AND JURASSIC**  
Tjgd granodiorite  
Tjy syenite, monzonite

- PERMIAN AND TRIASSIC**  
PTub ultramafic rocks, serpentinite

(Geology after GSC Map 1418A-1979)



## RDN 1-4 Claims REGIONAL GEOLOGY

LIARD MINING DIVISION, B.C.

Drawn.	N.T.S.	Date	Fig. No.
	104 B	Jan., 1989	3

Quaternary and Tertiary bimodal terrestrial volcanics occur to the east along the Iskut River near Forrest Kerr Creek and to the west at Hoodoo Mountain.

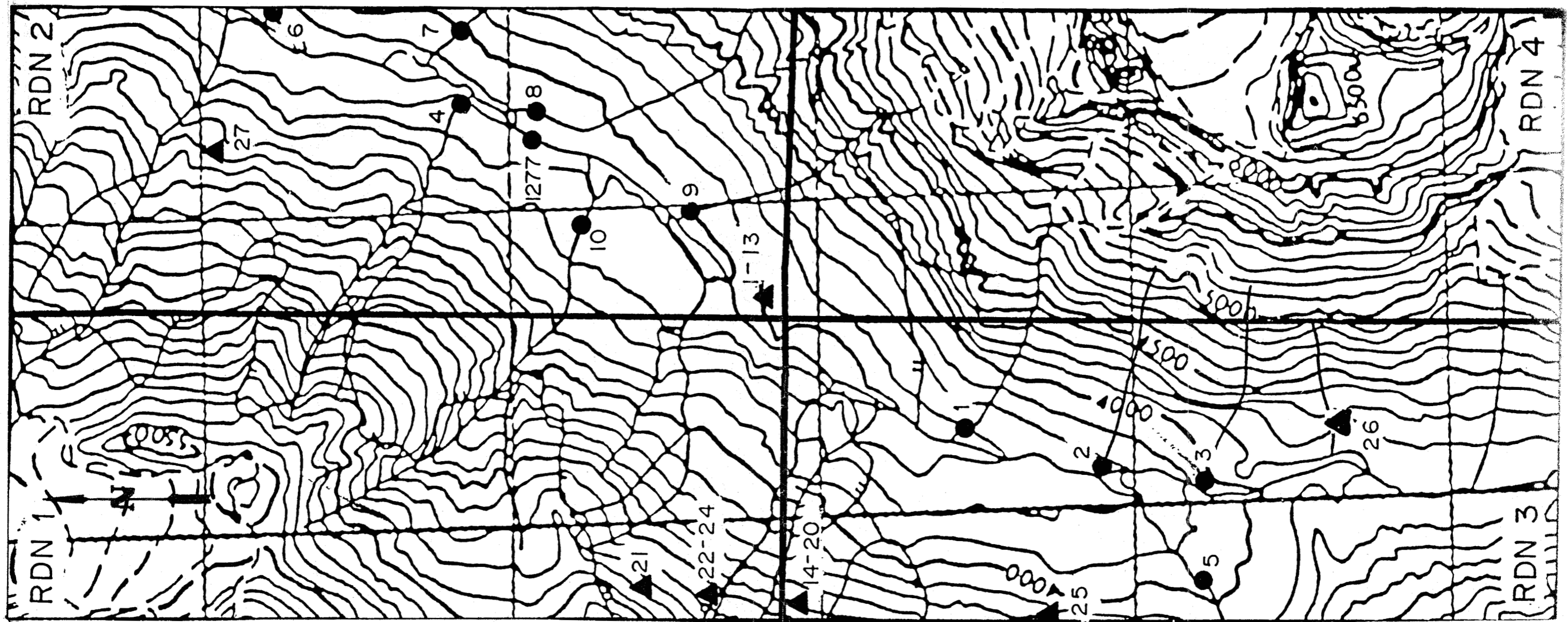
## 6.0 GEOLOGY, GEOCHEMISTRY AND MINERALIZATION

### 6.1 Geology

No geological mapping has been done on the RDN mineral claims. Government mapping indicates the property to be underlain by upper Triassic andesite, pyroclastic rocks and greenstone (GSC Map No. 1418A, Unit uTvd). Outcrops of dark grey, fine-grained sedimentary and green, volcanoclastic rocks were encountered during prospecting.

### 6.2 Geochemistry and Mineralization

A total of ten silt samples were collected from major drainages during the course of the prospecting program. The values for lead, zinc, silver, molybdenum, vanadium, cadmium, antimony, barium and gold compare favourably with the statistical results of the National Geochemical Reconnaissance released in 1988 (GSC Open File 1645). The 80th percentile values for the government survey are as follows: lead-16 ppm, zinc-168 ppm, silver-0.6 ppm, molybdenum-4 ppm, vanadium-92 ppm, cadmium-0.6 ppm, antimony-1.4 ppm, barite-1300 ppm and gold-22 ppb. Many of the RDN silt results contain values above these statistical levels and for cadmium and vanadium, three samples contain values above the 99th percentile for cadmium (5.0 ppm) and one sample, RDN 6, for vanadium (164 ppm). One sample from the government survey, sample #1277, was taken from the main drainage flowing diagonally across the RDN 2 mineral claim (GSC Open File 1645). Overall, this sample did not contain values as high as



SILT GEOCHEMICAL RESULTS

(Complete sample results in Appendix C)

Sample No.	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
RDN-1	20	1.7	6	35	111
RDN-2	15	2.0	6	21	24
RDN-3	25	1.8	9	30	109
RDN-4	30	1.0	12	29	136
RDN-5	25	0.9	16	23	59
RDN-6	25	1.7	39	37	227
RDN-7	25	1.4	32	37	154
RDN-8	20	0.8	32	28	121
RDN-9	15	1.5	11	21	87
RDN-10	30	0.9	24	28	152

National Geochemical Reconnaissance Sample  
1277 13 0.2 68 8 118

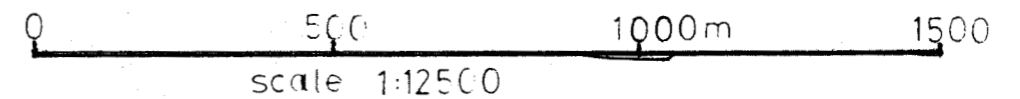
ROCK GEOCHEMICAL RESULTS

(Complete sample results in Appendix C)

Sample No.	Au (ppb)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
NDR-11	25	59.5	47	391	776
NDR-12	30	207.6	196	722	66

LEGEND

- Silt sample location
- ▲ Rock sample location



RDN 1-4 Claims  
SAMPLE LOCATION MAP  
LIARD MINING DIVISION, B.C.

DRAWN BY:	NTS: 104 B/15 E	DATE: Jan., 1969	FIGURE: 4
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the RDN samples, although, elevated results above the 80th percentile were received for arsenic and barium.

Twenty-seven rock samples were taken from mineralized outcrops on the RDN claim group. Most of the samples taken have a high iron content reflecting the strong pyrite mineralization found associated with quartz veining or breccia zones hosted in altered volcanics and sedimentary rocks. The samples are clustered within large gossanous areas around the legal corner post and an area on the south-central part of the RDN 1 mineral claim. Two of the samples, NDR 11 and 12, returned silver values in excess of 34.29 grams per tonne (1.0 ounce per ton). Sample #NDR 11, a grab sample located 50 meters east of the legal corner post, was taken from a quartz zone measuring twelve by twenty meters mineralized with pyrite. This sample assayed 59.5 grams per tonne silver (1.7 ounces per ton). Sample #NDR 12, which was taken 30 meters northeast of #NDR 11, contains 207.6 grams per tonne silver (6.1 ounces per ton). This sample was taken from an altered and quartz-brecciated zone mineralized with pyrrhotite and magnetite. The mineralization was noted to be very vuggy and is exposed over an area of four meters by fifteen meters. Sample descriptions and geochemical results for all the samples are found in Appendices C and D, respectively.

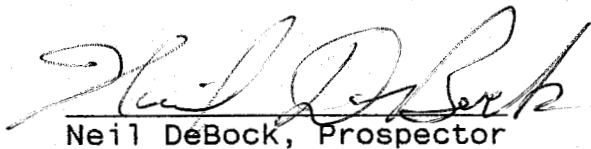
## 7.0 DISCUSSION

The RDN claim group is at an early stage of exploration. To date, the property has not been geologically mapped and the extent of prospecting and geochemical sampling is still very limited. Two occurrences have been found which contain significant silver in well mineralized quartz vein and breccia zones located in a large gossanous zone in the vicinity of the legal corner post.

Several of the drainages tested by silt sampling returned anomalous values for lead, zinc, silver, molybdenum, vanadium, cadmium, antimony, barium and gold. The sources of these anomalies have yet to be found.

Government mapping indicates that the RDN 1-4 mineral claims are underlain by upper Triassic andesite, pyroclastic rocks and greenstone. This geology is mapped would be similar to that which hosts the Snip and Stonehouse Gold deposits approximately forty-five kilometers to the southwest. The exploration successes achieved throughout the Iskut River district during the past years provide abundant incentive to conduct preliminary work on favorably located properties whose geology is not yet well understood.

Respectfully submitted,



Neil DeBock, Prospector

Clearwater, British Columbia  
January, 1989



APPENDIX A

BIBLIOGRAPHY

## BIBLIOGRAPHY

- Delaware Resources Ltd. (1988): News Release 4/88, dated June 7, 1988.
- Geological Survey of Canada Map No. 9-1957: Operation Stikine
- Geological Survey of Canada Map No. 1418A (1979): Iskut River
- Grove, E.W. (1986): Geological Report, Exploration and Development Proposal on the Skyline Explorations Ltd. Reg Property.
- Kerr, F.A. (1948): Lower Stikine and Western Iskut River Areas, B.C.; Geological Survey of Canada Memoir No. 246.
- Nagy, L.J. (1986): 1986 Geochemical Report on the Hemlo West Group; British Columbia Ministry of Mines, Energy and Petroleum Resources Assessment Report No. 15,336

APPENDIX B

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES: RDN 1-4 MINERAL CLAIMS

PROFESSIONAL FEES AND WAGES:

Neil DeBock, Prospector  
3.0 days @ \$250/day

\$ 750.00

CHEMICAL ANALYSES:

10 stream sediment samples  
@ \$14.00  
27 rock samples @ \$17.00

\$ 145.00  
459.00

604.00

ROOM AND BOARD CHARGES (estimated):

3 mandays @ \$125/manday

375.00

EXPENSES:

Helicopter Charters  
Report (estimated)

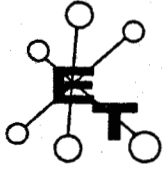
1,651.40  
1,000.00

2,651.40

\$ 4,380.40  
=====

APPENDIX C

CERTIFICATES OF ANALYSIS



**ECO-TECH LABORATORIES LTD.**

ASSAYING - ENVIRONMENTAL TESTING

10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

September 27, 1988


CERTIFICATE OF ANALYSIS ETK 88-500  
=====

DEBOCK BROS.  
BOX 3506, R.R. #2  
CLEARWATER, B.C.

ATTENTION: NEIL DEBOCK

SAMPLE IDENTIFICATION: 10 SILT samples received September 19, 1988  
-----  
ICP RESULTS TO FOLLOW

ET#	Description	Au (ppb)
500 - 1	SS R D N 1	20
500 - 2		15
500 - 3		25
500 - 4		30
500 - 5		25
500 - 6		25
500 - 7		25
500 - 8		20
500 - 9		15
500 - 10	10	30

*for*   
-----  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

SC88/MISS  
FAX: 662-0211

10041 E. TRANS-CANADA HIGHWAY  
 KAMLOOPS, B.C. V2C 2J3  
 OCTOBER 11, 1988

DEBOCK BROS.  
 BOX 3506, R.R. #2  
 CLEARWATER, B.C.

ATTENTION: NEIL DEBOCK

SAMPLE IDENTIFICATION: 10 SILT samples received September 19, 1988  
 ICP RESULTS

ET#	Description	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
500 - 1	SS R D N 1	1.7	23970	50	6	116	1.6	14	18470	5.8	22	6	44390
500 - 2	2	2.0	6040	52	1	21	.8	11	4570	2.0	10	6	10240
500 - 3	3	1.8	29660	41	8	89	1.6	19	21990	1.4	26	9	54540
500 - 4	4	1.0	16820	32	4	1567	1.5	7	14550	2.7	15	12	41330
500 - 5	5	.9	15350	26	1	195	1.1	6	21690	3.7	14	16	30030
500 - 6	6	1.7	26860	40	10	164	1.4	13	11900	5.1	24	39	53470
500 - 7	7	1.4	20030	39	5	98	1.3	12	10080	5.6	21	32	44690
500 - 8	8	.8	19570	31	6	163	1.3	7	20690	3.8	18	32	43300
500 - 9	9	1.5	19210	30	6	85	1.3	14	12870	.5	19	11	41440
500 - 10	10	.9	14080	27	3	647	1.5	8	12810	2.6	16	24	41170

ET#	Description	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH
500 - 1	SS R D N 1	2120	30	17210	901	7	820	38	1200	35	5	23	2
500 - 2	2	750	21	5440	186	5	310	18	230	21	2	12	1
500 - 3	3	1830	34	21670	1177	6	880	29	1390	30	4	23	1
500 - 4	4	3810	25	7980	1230	11	320	24	1100	29	1	48	1
500 - 5	5	3130	23	14500	664	8	370	16	560	23	1	24	1
500 - 6	6	2920	45	18060	1442	8	520	22	1090	37	3	20	1
500 - 7	7	2520	43	15470	1542	7	680	17	1120	37	1	17	1
500 - 8	8	2010	36	14250	864	7	580	29	1320	28	1	38	1
500 - 9	9	1540	35	12700	1038	5	590	15	1300	21	1	15	1
500 - 10	10	1860	28	10010	1033	10	440	24	1170	28	1	29	1

ET#	Description	U	V	ZN	GA	SN	W	CR
500 - 1	SS R D N 1	1	123.0	111	7	3	4	117
500 - 2	2	1	32.9	24	11	1	2	39
500 - 3	3	1	162.4	109	7	4	4	104
500 - 4	4	1	81.4	136	1	1	2	88
500 - 5	5	1	48.3	59	3	1	3	101
500 - 6	6	1	172.5	227	4	2	2	69
500 - 7	7	1	146.2	154	4	2	2	82
500 - 8	8	1	92.5	121	3	1	1	65
500 - 9	9	1	111.3	87	5	3	2	62
500 - 10	10	1	73.9	152	1	1	1	67

NOTE: VALUES IN PPM

*Frank J. Pezzotti*  
 ECO-TECH LABORATORIES LTD.  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

10041 E. TRANS-CANADA HIGHWAY  
 KAMLOOPS, B.C. V2C 2J3  
 OCTOBER 11, 1988

DEBOCK BROS.  
 BOX 3506, R.R. #2  
 CLEARWATER, B.C.

ATTENTION: NEIL DEBOCK

SAMPLE IDENTIFICATION: 27 ROCK samples received September 19, 1988  
 ICP RESULTS

ET#	Description	AG	AL	AS	B	BA	BE	BI	CA	CD	CO	CU	FE
499 - 1	N D R 1	.9	1920	54	1	29	.9	6	5020	.7	3	5	50950
499 - 2	2	.4	1760	53	1	17	.5	3	880	1.6	1	6	98820
499 - 3	3	2.0	1670	100	1	9	.4	2	680	26.9	4	5	147780
499 - 4	4	1.3	2160	37	1	13	.7	5	460	.8	1	7	104300
499 - 5	5	.4	1810	1	1	1	1.9	4	230	1.7	2	6	223300
499 - 6	6	2.0	1020	1	1	5	.1	1	1280	1.8	1	5	158900
499 - 7	7	2.2	2000	373	1	23	.8	4	730	1.3	6	6	53890
499 - 8	8	.9	2500	32	1	83	.9	5	1140	1.3	3	7	81190
499 - 9	9	.9	2190	25	1	66	.8	1	470	.4	3	5	83020
499 - 10	10	.4	2160	9	1	4	1.4	3	1110	2.8	1	6	269670
499 - 11	11	59.5	770	188	1	234	.9	6	5000	1.7	7	47	43730
499 - 12	12	207.6	560	238	1	365	.6	6	350	5.6	5	196	30230
499 - 13	13	21.8	330	214	1	647	.6	5	360	4.3	6	27	36670
499 - 14	14	.6	2040	44	1	188	.6	6	390	1.1	6	44	12010
499 - 15	15	.5	1940	35	1	155	.9	5	15070	3.4	10	56	22250
499 - 16	16	.9	2900	99	1	283	.7	5	14500	4.3	15	42	14540
499 - 17	17	.6	1910	56	1	218	.7	5	3720	1.6	9	56	8240
499 - 18	18	1.6	3650	69	1	19	1.9	1	2690	2.0	10	6	90200
499 - 19	19	2.5	2420	87	1	1	2.4	5	1090	3.7	1	12	242150
499 - 20	20	.9	1340	47	1	122	.6	6	2460	.6	8	19	20700
499 - 21	21	.8	3870	25	1	570	1.0	3	11950	5.0	13	6	28580
499 - 22	22	.8	4690	49	1	287	.7	6	6390	.4	7	19	19150
499 - 23	23	1.0	3810	26	1	305	.6	5	2820	1.5	6	10	27630
499 - 24	24	.9	2230	81	1	205	.7	6	11390	.8	9	66	15710
499 - 25	25	.9	3000	18	1	116	.5	3	1060	2.6	7	28	12780
499 - 26	26	.6	9100	12	1	134	1.3	6	63420	4.9	5	8	40600
499 - 27	27	.1	510	2	1	6	4.2	3	720	3.5	4	9	427790



ECO-TECH LABORATORIES LTD. - ETK 88-499 A

DEBOCK BROS.

OCTOBER 11, 1988

ET#	Description	K	LI	MG	MN	MO	NA	NI	P	PB	SB	SR	TH	
499 - 1	N D R	1	1660	20	3100	245	19	120	5	260	15	17	12	1
499 - 2		2	1640	17	770	54	30	130	1	20	13	25	5	1
499 - 3		3	1610	17	470	40	37	120	1	20	9	71	24	1
499 - 4		4	1940	20	510	33	14	120	3	230	8	21	86	1
499 - 5		5	1610	17	250	1	2	100	2	80	17	1	1	1
499 - 6		6	1210	19	790	102	14	120	2	60	18	7	22	1
499 - 7		7	2120	19	440	75	37	130	11	190	29	78	15	1
499 - 8		8	2420	19	580	89	23	120	1	260	7	21	9	1
499 - 9		9	2120	19	400	67	22	120	1	90	7	8	5	1
499 - 10		10	1650	19	310	42	5	110	4	80	24	3	2	1
499 - 11		11	800	19	1930	855	20	100	3	100	391	91	10	1
499 - 12		12	550	17	460	565	35	110	7	120	722	320	7	1
499 - 13		13	510	18	430	538	39	110	3	80	380	110	10	1
499 - 14		14	810	17	520	327	30	170	29	580	16	1	36	1
499 - 15		15	810	21	8400	1542	33	190	44	540	20	1	24	1
499 - 16		16	1120	21	7000	628	24	230	53	720	18	1	30	1
499 - 17		17	760	20	1480	518	38	230	40	960	18	1	21	1
499 - 18		18	1170	19	1800	149	80	290	109	200	16	1	8	1
499 - 19		19	900	20	850	5	114	170	194	100	8	1	3	1
499 - 20		20	790	19	1660	461	49	170	42	390	17	1	9	1
499 - 21		21	1060	23	9800	472	16	130	22	110	20	1	38	1
499 - 22		22	1120	23	3820	546	43	200	26	420	18	1	15	1
499 - 23		23	1760	21	1680	144	20	190	9	350	17	1	11	1
499 - 24		24	1090	19	5860	445	28	190	37	730	23	2	22	1
499 - 25		25	1320	17	630	29	15	210	11	520	18	1	10	1
499 - 26		26	2420	32	23670	1114	20	450	21	390	27	1	41	1
499 - 27		27	460	19	90	1	5	80	10	390	29	12	7	3

ET#	Description	U	V	ZN	GA	SN	W	CR	
499 - 1	N D R	1	1	11.6	24	1	1	3	242
499 - 2		2	1	8.1	13	1	1	2	238
499 - 3		3	1	6.2	2858	1	2	1	143
499 - 4		4	1	9.4	63	1	1	1	124
499 - 5		5	1	3.0	39	4	1	1	126
499 - 6		6	1	3.9	21	1	1	1	157
499 - 7		7	1	9.1	28	1	1	1	195
499 - 8		8	1	12.8	64	1	1	1	179
499 - 9		9	1	10.6	109	1	1	2	249
499 - 10		10	1	2.3	48	3	1	1	165
499 - 11		11	1	20.3	776	1	1	2	222
499 - 12		12	1	104.7	66	2	1	10	426
499 - 13		13	1	46.4	134	1	1	8	371
499 - 14		14	1	14.7	15	4	1	5	292
499 - 15		15	1	15.4	24	6	1	7	343
499 - 16		16	1	14.1	16	5	1	4	244

ECO-TECH LABORATORIES LTD. - ETK 88-499 A

DEBOCK BROS.

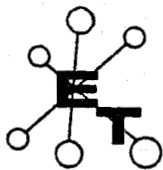
OCTOBER 11, 1988

ET#	Description	U	V	ZN	GA	SN	W	CR
499 - 17	17	1	14.6	15	4	1	6	308
499 - 18	18	1	22.8	35	1	1	7	359
499 - 19	19	1	13.1	26	6	1	1	194
499 - 20	20	1	12.9	12	4	1	7	343
499 - 21	21	1	26.8	23	6	1	1	185
499 - 22	22	1	23.7	29	4	1	11	416
499 - 23	23	1	11.2	15	2	1	2	212
499 - 24	24	1	12.7	13	5	1	4	257
499 - 25	25	2	8.6	10	4	1	1	152
499 - 26	26	1	47.5	93	3	1	1	99
499 - 27	27	1	110.4	7	3	7	1	6

NOTE: < = less than

*D. Edress*  
 ECO-TECH LABORATORIES LTD.  
 Frank J. Pezzotti, A.Sc.T.  
 B.C. Certified Assayer

SC88/MISS  
 FAX: 662-0211



# ECO-TECH LABORATORIES LTD.

ASSAYING - ENVIRONMENTAL TESTING  
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

September 27, 1988

## CERTIFICATE OF ANALYSIS ETK 88-499

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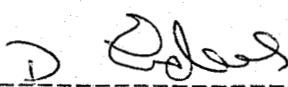
DEBOCK BROS.  
BOX 3506, R.R. #2  
CLEARWATER, B.C.

ATTENTION: NEIL DEBOCK

SAMPLE IDENTIFICATION: 27 ROCK samples received September 19, 1988  
-----  
ICP RESULTS TO FOLLOW

ET#	Description	Au (ppb)
499 -	1 N D R 1	<5
499 -	2	<5
499 -	3	<5
499 -	4	5
499 -	5	5
499 -	6	<5
499 -	7	<5
499 -	8	<5
499 -	9	<5
499 -	10	5
499 -	11	25
499 -	12	30
499 -	13	15
499 -	14	<5
499 -	15	<5
499 -	16	<5
499 -	17	10
499 -	18	15
499 -	19	25
499 -	20	5
499 -	21	30
499 -	22	<5
499 -	23	10
499 -	24	10
499 -	25	10
499 -	26	5
499 -	27	<5

NOTE: < = less than

*per*  
  
-----  
ECO-TECH LABORATORIES LTD.  
Frank J. Pezzotti, A.Sc.T.  
B.C. Certified Assayer

SC88/MIS5  
FAX: 662-0211

APPENDIX D

SAMPLE DESCRIPTION SHEETS

# Geochemical Data Sheet - ROCK SAMPLING

NTS 104B/15E

Sampler N. De Back

Project RDN

Location Ref \_\_\_\_\_

Date Sept 4, 1988

Property \_\_\_\_\_

Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization							
NDR-001	vicinity LCP	Chip	3m	Qtz chldny	siderite	pyrite	lg zone with minor and major mineralization.						
002	15m S of 001	"	5-10cm	"	"	"	"						
003	25m NE 002	"	3m	"	"	"	"						
004	15m NE of 003	"	1m	silicified Volcs	"	"	"						
005	6m NE 004	"	1m	"	"	"	"						
006	8m NE 005	"	10-20cm	Qtz chldny	"	"	"						
007	25m NE 006	"	1m	Volcs	"	"	"						
008	5m W of LCP	"	30cm	Volcs	"	"	"						
009	25m N of LCP	"	30cm	altered Volcs	"	"	"						
010	35m E of LCP	"	20-30cm	alt Volcs	"	"	"						
011	50m E of LCP	"	12m	Qtz	"	"	"						
012	30m NE of 010	"	4m	brecciated Qtz	"	pyr + mag.	"						
013	20m SE of 012	"	6m x 8m	brec Qtz	"	pyr.	"						
014	340° N NW LCP @ 5480'	"	30cm	Qtz	"	pyr	One of many veins in the vicinity.						
015	20m N of 014	"	20-30cm	Qtz	"	pyr	very suggy						
016	8m SW of 015	"	20-30cm	"	"	"	"						
017	50m S of 014	"	20-30cm	"	"	chalc + pyr.	"						
018	35m SSE of 017	"	20-30cm	"	"	pyr	in metaseds.						
019	30m W of 018	"	20-30cm	"	"	"	"						
020	20m W of 018	"	20-30cm	"	"	"	"						



APPENDIX E


STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, NEIL DEBOCK, of Box 3506, R.R. #2, Clearwater, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Prospector whose primary employment since 1973 has been in the field of mineral exploration.
2. THAT my experience has encompassed a wide range of geological environments and has allowed considerable familiarization with standard exploration techniques.
3. THAT this report is based on fieldwork carried out by myself from September 4-9, 1988.

DATED at Clearwater, British Columbia, this 5<sup>th</sup> day of January, 1989.



Neil DeBock, Prospector



Box 3506, R.R.#2,  
Clearwater, B.C.,  
VOE 1NO  
June 26, 1989.

T.E.Kalnins  
Ministry of  
Energy, Mines and  
Petroleum Resources.  
Parliament Buildings  
Victoria, B.C.

Dear Sir/Madam:

Re: RDN 1-4 Mineral Claims,  
Statement Number(s) 000118  
Assessment Report Number 18411

Enclosed you will find two(2), copies of assessment report number 18411. Please note that Figure #4, the sample location map, has been expanded to a scale of 1:12,500 by photocopying at 100%. Any further expansion merely blurs the map.

Due to the difficulty in reaching the property, no normal traverses were walked, rather, a helicopter was used to locate and sample gossans and drainages whenever weather conditions would allow. No detailed geological was done at this time as I felt that this type of investigation would be better performed by a trained geologist should the sample data warrant it. Sample data and descriptions are contained in appendices "C and D".

Yours truly

Neil DeBock

LOG NO: 0705	RD. 2
ACTION: Date received report back from amendments.	
FILE NO:	