

83-#388-#11415
df

GEOLOGICAL INVESTIGATION
OF THE
FRED AND RITA MINERAL CLAIMS
INCLUDING SOIL GEOCHEMISTRY AND
MAGNETOMETER SURVEYS
SLOCAN MINING DIVISION
KASLO, B. C.
N.T.S. 82 F/15 W
49°47' NORTH, 116°59' WEST

Prepared for **GEOLOGICAL BRANCH**
ASSESSMENT REPORT
RED DIAMOND MINES LTD.

11,415

ARCTEX ENGINEERING SERVICES

Paul Kallock
Geologist

Norman C. Davidson, P.Eng.
Consulting Mining Engineer

Locke B. Goldsmith, P.Eng.
Consulting Geologist

June 25, 1983

TABLE OF CONTENTS

SUMMARY.....	1
INTRODUCTION.....	2
GEOLOGY.....	2
Lithology.....	5
Stratigraphy.....	7
Structure.....	8
Mineralization.....	9
GEOCHEMISTRY.....	11
GEOPHYSICAL SURVEY - MAGNETOMETER.....	12
CONCLUSIONS.....	13
RECOMMENDATIONS.....	14
GEOLOGIST'S CERTIFICATE.....	15
ENGINEER'S CERTIFICATE.....	16
CONSULTING GEOLOGIST'S CERTIFICATE.....	17
REFERENCES.....	18
COST STATEMENT, 1983 PROGRAMME.....	19
APPENDIX:	
GEOLOGY MAP	
SAMPLE LOCATION MAP	
GRID LOCATION AND MAGNETOMETER SURVEY MAP	
MAGNETOMETER PROFILE LINES	
ROCK SAMPLE DESCRIPTIONS	
GEOCHEMICAL ANALYSES	

LIST OF FIGURES

LOCATION MAP.....	3
CLAIM MAP.....	4

SUMMARY

Between April and June, 1983, geological mapping, soil sampling, and magnetometer surveys were used to explore the Fred and Rita mineral claims. The two claims, which are located in the Slocan Mining Division, 6 km northwest of Kaslo, B. C., are underlain by black schists and argillite of the Slocan Group, greenstones, metavolcanics and mafic intrusives of the Kaslo Group and fine-grained sedimentary rock of the Milford Group. A belt of serpentinite and granite bisects the claim and may have been the source of soil and stream sediment samples which contain up to 2 ounces silver per ton. Soils in the upper limits of the claims were determined to contain up to 600 ppb gold. Additional geologic mapping, soil and rock geochemistry, magnetic surveys and limited trenching are recommended as the next steps in exploration.

INTRODUCTION

The Fred and Rita mineral claims are located within the Slocan Mining Division, 6 kilometres northwest of Kaslo, B. C., NTS Map 82 F/15 W, latitude 49°47' north, longitude 116°59' west. They are situated between Blue Ridge toward the east and the Kaslo River toward the west. Elevation ranges from 762 metres (2500 feet) to 1524 metres (5000 feet).

As can be seen from the accompanying claim map the Fred claim consists of 15 units, 375 hectares, and the Rita consists of 9 units, 225 hectares, less one crown granted claim, the "Manganese".

<u>Claim</u>	<u>Units</u>	<u>Hectares</u>	<u>Tag No.</u>
Fred	15	375	86310
Rita	~8	~200	86303

The Kaslo-New Denver paved highway passes through or near the western margin of the claims. Furthermore, a good gravel road leading from the paved road to the Mt. Buchanan lookout station bisects the Rita claim.

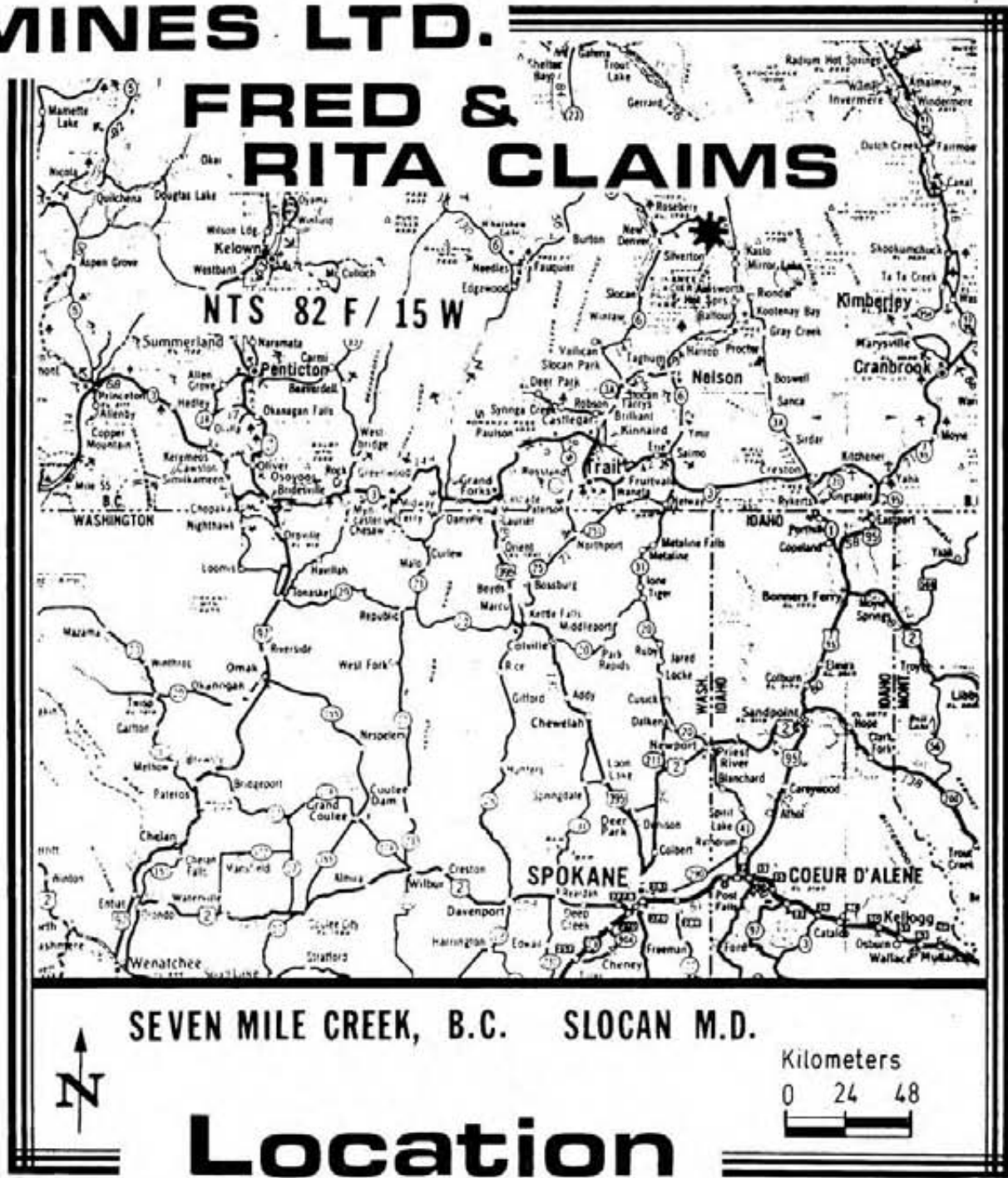
In the past, mineral exploration has been principally associated with the bog manganese deposits occurring within the Rita claim. Cairnes (1935) indicates the several tons of manganese oxide were shipped from the Manganese claim. The mineral springs along the western margin of the Fred claim, which are currently depositing iron oxide and calcium carbonate, have undoubtedly received attention from prospectors.

Mineral exploration on the Fred and Rita claims for Red Diamond Mines Ltd. began in April, 1983. Geological mapping, soil and stream geochemistry and magnetic response have been the principle tools of exploration to date. Claim ownership and boundary definitions were not the object of this survey.

GEOLOGY

Regionally the property lies near the west-central margin of the Kootenay Arc, an arcuate belt of structurally deformed, primarily Paleozoic sediments which stretches from Washington State to Revelstoke, B. C.

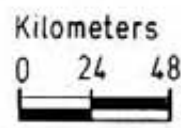
RED DIAMOND MINES LTD.



FRED & RITA CLAIMS

NTS 82 F / 15 W

SEVEN MILE CREEK, B.C. SLOCAN M.D.



Location map

P. KALLOCK
GEOLOGIST

N.C. DAVIDSON,
CONSULTING ENGINEER

L.B. GOLDSMITH, P. Eng.,
CONSULTING GEOLOGIST

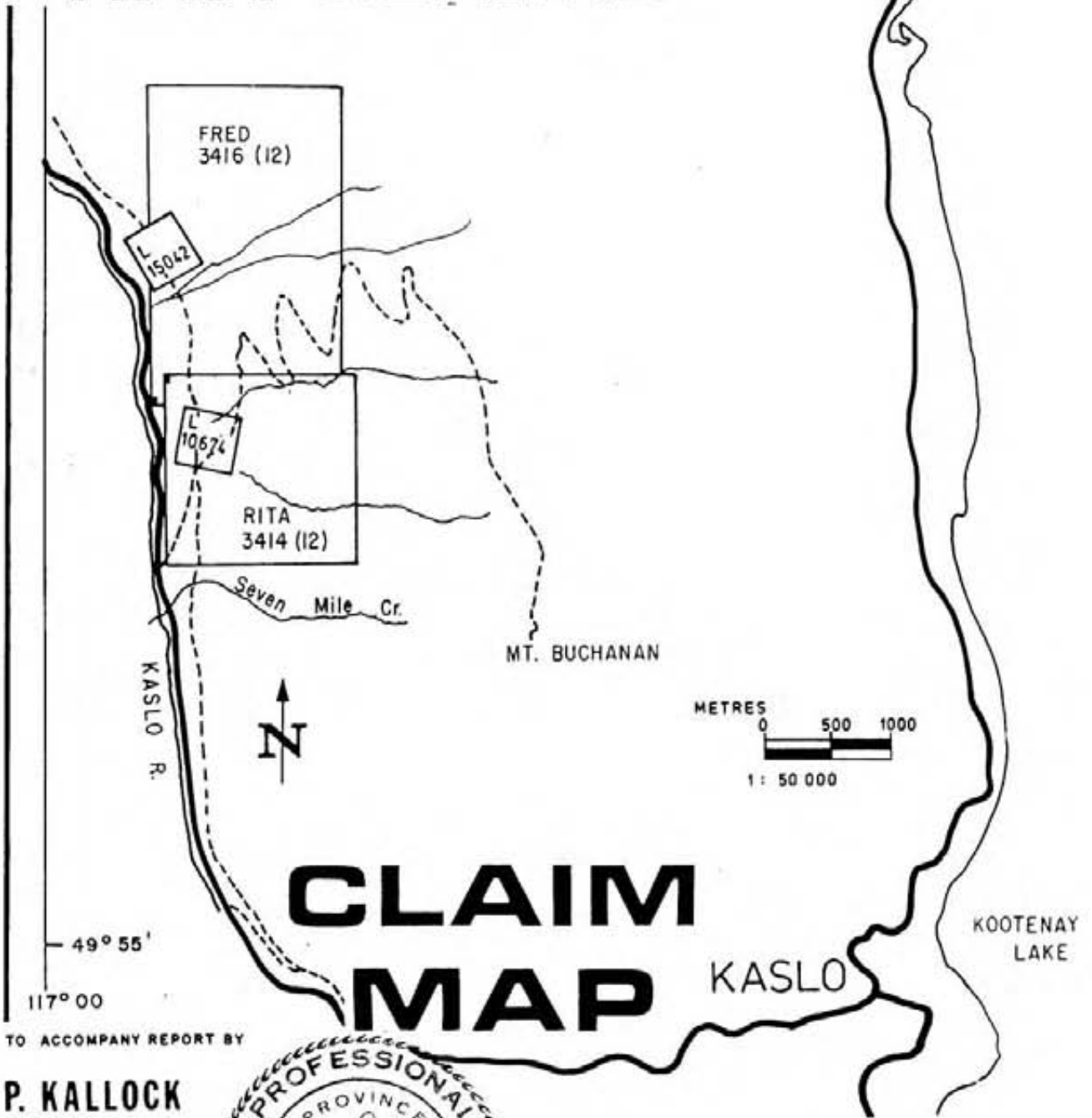


EXPIRY DATE JULY 15, 1984

RED DIAMOND MINES LTD.

NTS 82 F / 15 W -
SLOCAN M.D.

FRED & RITA CLAIMS



CLAIM MAP

TO ACCOMPANY REPORT BY

P. KALLOCK
GEOLOGIST

N.C. DAVIDSON, P. Eng.
CONSULTING ENGINEER



L.B. GOLDSMITH, P. Eng.,
CONSULTING GEOLOGIST

EXPIRY DATE JULY 15, 1984

Recent studies by Monger (1982) and Klepacki (1983) have indicated that volcanic and related rocks (greenstones) of the Kaslo Group may have formed the leading edge of terranes including the younger calcareous flysch of the Slocan Group, as they accumulated on the ancient margin of North America, which apparently included the Carboniferous Milford Group, and were subsequently telescoped.

Most of the rocks underlying the Fred and Rita claims belong to the Kaslo Group. Near the western margin of the claims, black argillites and slates of the Slocan Group are exposed, particularly along the Kaslo-New Denver Highway. Difficulty has been encountered in assigning sedimentary rocks found at higher elevations of the claims. They have been intruded by many mafic dykes and sills of gabbroic or dioritic composition. Field determination of composition of the greenish metamorphosed sediments with the similar appearing "greenstones" or metavolcanics of the Kaslo Group is difficult.

The Nelson Batholith of granitic composition is situated less than 5 km to the west of the claims. Numerous dykes and sills of granite, probably related to the batholith, can be found on the property.

Lithology

Milford Group

Sedimentary rocks in the eastern part of the Fred and Rita claims are tentatively assigned to the Milford Group. They are generally dark grey to greenish grey, thinly bedded and fine-grained. Locally they may be tan to orange-brown chert or siliceous argillite. Phyllitic schist and argillaceous thin-bedded quartzite can also be found.

In the creeks draining the central portion of the claim, near the eastern boundary, massive light brown to grey, green or orange chert can be seen as cobbles in the stream beds. This chert is distinctly more massive, less fractured, and more colourful than cherts found on the Fred and Rita claims.

Kaslo Group

On the Fred and Rita claims, green to grey-green intermediate volcanics, often called greenstones, have been metamorphosed to greenschist facies.

Foliation is often discernible and may in a few instances conform to a bedding or flow orientation. In a road cut just north of grid station ON,OW fracture patterns which vaguely resemble pillow structures are present.

The andesites or dacites of the Kaslo Group are generally massive and do not show phenocrysts or amygdules. Tuff beds have been reported in other areas but none were seen on the Fred or Rita claims. However, an andesite breccia with fragments from a few millimetres to 3 centimetres is present in the northeast part of the Fred claim. Fragments and matrix appear to be of the same composition and are generally sub-angular.

An irregular belt of serpentinite 50 to 200 metres wide bisects the Fred and Rita claims in a general north-south direction. It is dark green or black on fresh surfaces but weathers creamy-white to locally orange-brown. Serpentine slickensides with talc and occasionally thin crysotile asbestos fibres can be found. Often the serpentinite is mottled with a definite orientation of light and dark patches. The foliation is seldom consistent but may crudely conform to the general north-south trend of the belt with steep dips to the east or west. Areas of brecciation of the ultramafic unit were not found.

Numerous dykes, sills and small plugs of gabbro and/or diorite are exposed in stream drainages on the upper (eastern) slopes of the claims. They vary from fine to medium-grained and may grade into greenstone. They are hosted in fine-grained metasediments which have previously been described as Milford Group. The mafic intrusives could be feeders to the flows of the Kaslo Group.

Slocan Group

Tan to light grey phyllite and phyllitic schist is exposed in the southwest corner of the Rita claim. This unit is probably part of the basal Slocan Group. Similar exposures are present immediately northwest of the Fred claim. Here, conglomerate and limestone are also present.

Overlying the light coloured phyllite are dark argillite and black slaty beds more typical of the Slocan Group as exposed in outcrops along the Kaslo-New Denver Highway, immediately west of the claim boundary.

For the most part the Slocan Group is black fissile or platy slate or phyllite schist, locally folded but generally with north-south strike and steep dips to the west. A few metres south of the southwest corner of the Rita claim, beds of grey limestone trend northerly. They probably underlie the covered area east of the Mt. Buchanan Lookout Road. These beds are part of the sedimentary sequence of the lower part of the Slocan Group.

Granite

Dykes, sills and small plugs of granitic intrusive rock are common on the property. They are generally medium- to coarse-grained, although aplitic varieties have been seen. In general, the most abundant exposures seem to parallel the serpentinite belt in a north-south bisection of the claims. The intrusives tend to be depleted in mafic constituents and may be granite or alaskite in composition.

Stratigraphy

The following table, modified from Klepacki (1983), pertains to the Fred-Rita claims:

Middle Jurassic (?)		Granite	dykes, sills, plugs, related to Nelson Batholith (?)
Upper Triassic	Karnian/ Norian	Slocan Group	black slate, argillite, limestone, basal conglomerate or phyllite
Upper Mississippian (to Permian?)	Chesterian	Kaslo Group	andesitic volcanics, flows, breccias, intrusives (?) of serpentinite
Upper Mississippian	Chesterian	Milford Group	siliceous argillite, chert

There is some question as to the age and relationship of the Kaslo Group to the Milford Group. Klepacki (1983) correlates the two groups and assigns them a Mississippian age. Read (1976) designated the Kaslo Group as upper Permian.

Geologic mapping on the Fred and Rita claims indicates a predominantly cherty or thinly bedded metasedimentary unit occurring east of the serpentinite belt, east of the greenstone unit. However, numerous greenstones and meta-diorite-gabbro sills which appear very similar to the Kaslo Group rock were noted within the so-called Milford Group.

The Slocan Group apparently lies disconformably on Kaslo Group. A contact zone is exposed on the old Kaslo wagon road near the south end of the Rita claim.

Structure

Faulting with associated folding occurs in the southwest corner of the Rita claim. A vertical wedge of black, slaty schist of the Slocan Group in contact with greenstone of the Kaslo Group trends nearly east-west. Phyllitic schist north of the fault maintains a northwesterly trend with moderately steep dips to the west. The same is true for argillite, limestone and greenstone south of the northeast-trending fault.

Several other major faults occur on the claims. Near the southeastern margin of the Rita claim abundant graphitic schist with strong clay alteration follows a $N10^{\circ}W90^{\circ}$ shear zone. Tan to orange-brown chert forms the western wall of the zone, which is 0.5 m wide. Amount of displacement could not be determined.

Intense faulting within strongly folded black schist of the Slocan Group is exposed along the main highway near the southwest corner of the Fred claim. One of the faults which trends $N50^{\circ}E50^{\circ}S$ may have influenced the configuration of upslope topography and perhaps the emplacement of granitics and/or serpentinite which outcrop in the central part of the Fred claim.

At 3700 feet elevation, approximately 100 m south of the northern boundary of the Rita claim, a $N10^{\circ}E90^{\circ}$ fault zone bisects siliceous phyllite. Fracturing is intense; clay and manganese oxide are present in an area at least 3 metres wide.

Immediately east of the serpentinite belt at 6+00N, 3+25E, green, finely bedded, siliceous metasediments trend $N20^{\circ}W63^{\circ}W$. Within 100 metres to the north the beds, as exposed on a large cliff, have been folded to

N30°E70°N. This area of deformity appears to be reflected in the shape of the serpentinite belt as indicated by mapping and magnetometer surveys.

Rock contacts are scarce, but where exposures are near, it can be seen that metasediments are tightly folded and deformed near the serpentinite. This is not the case with gabbroic or dioritic intrusives. They have sharp contacts which often conform to bedding as can be seen especially well at the higher elevation in the northeast corner of the Fred claim.

Mineralization

Alteration or mineralization of the Milford Group (?) metasediments, particularly east of the serpentinite belt, appears to be restricted to narrow zones of faulting or shearing. Rock samples Rita 14S, 9E, Rita 14S, 9+5E, and Rita 3700 were collected in or near fault zones containing clay, graphite or pyrite. Sample Rita 3900 represents a quartz vein. It contained 40 ppb gold.

Numerous rock chip samples from various locations on the serpentinite yield an average of 0.15% nickel. However, other base and precious metals are not significant. Visible mineralization is restricted to minor pyrite, abundant magnetite and occasional veinlets of chrysotile asbestos. Local areas contain carbonate (?) alteration and weak amounts of limonite or hematite oxidation.

In at least two localities abundant magnetite is present near but outside the serpentinite. At 1+00N 0+50E a dark, fine-grained intrusive (?), perhaps diabase, has 10-20% magnetite. At 6+25N 2+75E magnetite and pyrite are contained in a foliated and faulted (?) greenstone which has been intruded by granite. This latter area is of particular interest because neighbouring serpentinite and siliceous fine-grained metasediment display broad folding. Strong iron and manganese oxide cement is also present in the stream bed and stream bank at this area. Chip samples of the ferromanganese oxide contain up to 770 ppm nickel.

Granite dykes or sills are common on the claims. Moderate quartz veining and ubiquitous disseminated pyrite are characteristic of the granite. Granite is particularly abundant in or near the serpentinite belt

and may form a parallel structure. Quartz-limonite veins within granite have yielded the only anomalous silver values from rock outcrop to date. Fred #2 contained 190 ppm Ag and 195 ppb gold.

Another area in which greenstone of the Kaslo Group contains sulphide is near the south boundary of the Rita claim on the old Kaslo wagon road cut. Rita #12 represents 2 metres across schistose greenstone which contains 3-10% pyrite as disseminated cubes and lesser veinlets. Anomalous precious metal values are not present.

South of the "Manganese" claim, Lot 10674, within the Rita claim, is a deposit of black manganese oxide which crudely measures 250 m x 100 m and may vary from 0.01 to 0.5 m thick. It has been prospected early in this century, and Cairnes (1935) states that several tons of ore were produced. Four samples collected from the pits and trenches representing less than 25 cm of thickness, assayed between 30 and 35% manganese. Anomalous precious metals were not detected.

Several other manganese oxide and iron oxide surficial deposits of much smaller size were located and sampled. They are shown on the geology map and described in the appendix of rock sample descriptions.

There are active mineral springs on the property, such as Fred #1, which are presently depositing iron oxide and/or calcareous tufa. Although manganese oxide was not seen in the springs, it shows close association with calcareous tufa and ferricrete (iron oxide cement) in exposures along creek drainages. All three types of precipitate may form from the same spring but at different distances from the surface emanation. Calcareous tufa is common on both claims and can be found between the Kaslo River and 3000 to 3500 feet elevation on the slopes of Blue Ridge. The upper limit of tufa coincides with the approximate upper boundary of the serpentinite or granite belt.

Soil sample F-140 contained 98 ppm silver. Examination of the soil hole shows abundant manganese oxide. A sample, Rita #13, collected from a nearby shovel hole of manganese-cemented tufa between 25 and 40 cm beneath the surface, did not contain appreciable silver. Sample Fred 140+50NE, located 50 metres upslope on the same spring drainage, did not contain appreciable precious metal but did have 340 ppm nickel.

One piece of quartz float was found in a creek draining the central part of the Fred claim at 2800 feet elevation. It contained 1-2% pyrite, 5-15% limonite, 1-2% galena. Assays showed FSSR-8 to have 0.36% lead and 10.0 ppm silver. The source of the float was not found.

GEOCHEMISTRY

An extensive soil geochemistry survey has been executed on the Fred and Rita claims. North-south lines, traversing the lower elevations, below snowline, were begun in April 1983. The highest lines were completed in June 1983. Sample results of the most recent field work have not been received from the laboratory. Lines were generally spread 200 metres apart with sample spacings at 50-metre intervals along lines. Stream sediment samples were collected at major stream crossings.

Very high, although somewhat erratic, silver values were received from stream sediments throughout the lower elevations of the property. Eleven samples contained over 10 ppm Ag, four of which contained over 1 ounce Ag/ton. When silver geochemistry in soil samples is considered along with the stream sediments, a pattern of anomalous silver begins to emerge which bisects the property in a north-south direction. This zone is nearly coincident with the serpentinite-granite belt, and the upper limit of manganese oxide-iron oxide accumulation. Of particular note are samples R-116 through R-126 and R-140 through R-141, which form a continuous line of samples of greater than 2.0 ppm Ag. Sample R-140 contained 78.0 ppm silver in black manganese soil.

Gold in soils, greater than 80 ppb, is rare on the Fred and Rita claims. However in the northeast corner of the Fred claim, 600 ppb Au were encountered in #9+00E, 11+00N. At station R-184 in the eastern Rita claim, 340 ppb Au were detected. Fine-grained siliceous metasediments have been mapped in the general area.

Most anomalous gold (>80 ppb) values do not coincide with silver or base metal soil anomalies.

Anomalous values of nickel are present in many soil samples collected in or near the serpentinite belt. Soil sample F1+00E, 7+50N assayed 0.11%

nickel. Rock chip samples of serpentinite from the property commonly contain 0.14 to 0.17% nickel.

Soil analyses for lead, zinc, copper and locally for arsenic were also requested. Statistical analysis would be useful for distinguishing anomalous values, and should be undertaken when all of the geochemistry is completed. Only one distinctly anomalous zinc soil value has been received. F-11 carried 0.11% zinc. It is located in the heart of the large manganese deposit previously described. Its close proximity to the old wagon road and prospect trenches may suggest some contamination.

GEOPHYSICAL SURVEY - MAGNETOMETER

A magnetometer survey has been initiated over the central part of the property. A Sharpe Model MF-1 fluxgate magnetometer has been used. East-west grid lines with generally 200-metre separation and stations along lines at 25-metre spacings have been established to cross the trend of the serpentinite belt. A base station was set up to check diurnal variation, and corrections have been made accordingly. Magnetic readings are in gammas.

Magnetic signature of the serpentinite includes readings from +1000 to +2160 and may include adjacent negative signatures to -530. In the vicinity of line 6+00N, 2+00E where outcrop is relatively abundant, a strongly negative value is registered over magnetite-bearing foliated greenstone, which is less than 25 metres south of serpentinite outcrops. Less than 50 metres south of station 6+00N, 2+00E another large serpentinite body is indicated by outcrop and magnetic signature. The intervening trough may represent a structural break or fault zone.

Another break or thinning of the serpentinite is evident near station ON, OW. South of here there are no outcrop exposures but apparently serpentinite underlies a broad bench which extends into the area of high silver soil geochemistry.

Several high magnetometer readings were encountered toward the eastern end of the grid area. Serpentinite or small magnetiferous diabase dykes may account for these anomalies.

A contour map of the magnetometer survey results is included in the pocket of this report. Profile lines have also been constructed with the

hope that the attitude of the serpentinite could be determined. Field observations show the metasediments east of the serpentinite to strike northerly with moderately steep westerly dips. The steep gradient from positive to negative shown by the magnetometer survey on the east side of the serpentinite belt tends to confirm this, perhaps delineating a near-vertical eastern contact.

CONCLUSIONS

Several exploration targets are beginning to develop on the Fred and Rita claims. Anomalous silver values in stream sediment geochemistry in the west, or lower half of the property combined with a belt of anomalous silver values in soil which bisects the property in a north-south direction, point to a source associated with the serpentinite-granite-metasediment interface. Abundant calcareous tufa, iron and manganese oxides may also originate from meteoric waters circulating through this zone. The abundance of manganese on the property and its reputed ability to scavenge silver may account for some of the apparent erratic high silver in soil and stream sediments.

One rock sample from quartz-pyrite bearing granite contained anomalous silver. In general the granite appears favourable for quartz-sulphide vein deposits and may indeed be the source for most of the silver so far detected. Silver appears to occur without appreciable lead and zinc in the soil samples near granitic rocks; this type of occurrence has been recognized by Goldsmith on Payne Ridge in the central Slocan camp where stringers and disseminations of tetrahedrite (freibergite) in granitics produce soil geochemical anomalies of up to several hundred ppm silver without base metal association. It is implied that disseminated silver may occur in the granite and related rocks within the Fred and Rita claims.

The serpentinite contains anomalous nickel in values up to 0.15%. Local concentrations greater than this may be expected particularly in areas of deformity as indicated by the magnetometer survey.

Gold in soils of up to 600 ppb was detected in three locations. Two areas occur on the eastern part of the property where siliceous metasediments and local gabbroic intrusions are known. The third area occurs near

the southwest corner of the Rita claim. A magnetometer survey over one of the soil anomalies was not useful in deposit or rock type delineation.

A small and thin, but very accessible manganese deposit exists on the Rita claim. It has been disturbed by past excavation, and contamination would hamper any production from the deposit. Assays of soft soil-type material yield approximately 34% manganese.

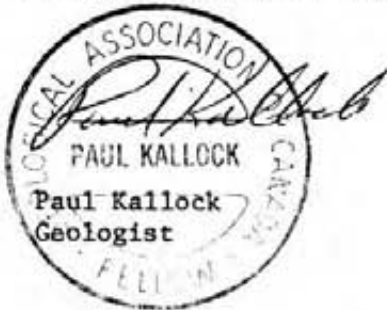
RECOMMENDATIONS

Detailed mapping and additional soil geochemistry in areas of anomalous gold are necessary to delineate the extent of soil enrichment. Although magnetics were not useful on one of the anomalies, it should be implemented on each of the others to aid in mapping.

Exploration for the source of the strong silver in stream sediments and soils should continue along the entire north-south central zone of the claims. This would be aided by magnetics which help in delineating structure and the presence of serpentinite. Detailed mapping along the magnetometer grid, additional soil samples and rock chip samples of all rock types are also needed.

A statistical treatment of precious and base metal values in collected soils is needed to determine subtle although significant targets.

As targets are thoroughly delineated by surface means, trenching by either pick and shovel or dozer-backhoe will have to be initiated. Limited diamond drilling on significant prospects would follow.



Locke B. Goldsmith, P.Eng.
Consulting Geologist

Vancouver, B. C.
June 25, 1983



EXPIRY DATE JULY 15, 1984



GEOLOGIST'S CERTIFICATE

I, Paul Kallock, do state: that I am a geologist to Arctex Engineering Services, 301 - 1855 Balsam Street, Vancouver, B. C.

I Further State That:

1. I have a B.Sc. degree in Geology from Washington State University, 1970. I am a Fellow of the Geological Association of Canada.
2. I have engaged in mineral exploration since 1970, both for major mining and exploration companies and as an independent geologist.
3. I have co-authored the report entitled, "Geological Investigation of the Fred and Rita Mineral Claims including Soil Geochemistry and Magnetometer Surveys, Slocan Mining Division, Kaslo, B. C." The report is based on my field work carried out on the property, and from previously accumulated geologic data.
4. I have no direct or indirect interest in any manner in either the property or securities of Red Diamond Mines Ltd., or its affiliates, nor do I anticipate to receive any such interest.
5. I consent to the use of this report in a prospectus or in a statement of material facts related to the raising of funds.



Paul Kallock
Paul Kallock
Geologist

Vancouver, B. C.

June 25, 1983

ENGINEER'S CERTIFICATE

NORMAN C. DAVIDSON

1. I, Norman C. Davidson, am a Registered Professional Engineer in the Provinces of British Columbia, Nova Scotia and Ontario. My address is P.O. Box 39, St. Andrews, Antigonish County, Nova Scotia B0H 1X0.
2. I am a graduate of Michigan Technological University, Houghton, Michigan, U.S.A. with a B.Sc. in Mining Engineering. I am a graduate of the Haileybury School of Mines as a Certified Mining Technician. I am registered as a Mine Manager under the Coal Mines Regulation Act of Nova Scotia. I am a member of C.I.M., A.I.M.E., and the Mining Society of Nova Scotia.
3. I have been engaged in mining exploration, development and mine production for 21 years.
4. A personal examination of the property was not undertaken. The completed report was reviewed and discussed with Arctex Engineering personnel, the competence of whom is known to the undersigned.
5. I have no interest either directly or indirectly in the claims named herein or Red Diamond Mines Ltd., nor do I expect to receive any.
6. I consent to the use of this report in a prospectus or in a statement of material facts related to the raising of funds.



NORMAN C. DAVIDSON, P.Eng.
Consulting Mining Engineer

Vancouver, B. C.

June 25, 1983


EXPIRY DATE JULY 15, 1984

ENGINEER'S CERTIFICATE

LOCKE B. GOLDSMITH

1. I, Locke B. Goldsmith, am a Registered Professional Engineer in the Province of Ontario and a Registered Professional Geologist in the State of Oregon. My address is 301 - 1855 Balsam Street, Vancouver, B. C.
2. I have a B.Sc. (Honours) degree from Michigan Technological University and have done postgraduate study in Geology at Michigan Tech, University of Nevada and the University of British Columbia. I am a graduate of the Haileybury School of Mines and am a Certified Mining Technician. I am a member of the Society of Economic Geologists, the AIME, and the Australasian Institute of Mining and Metallurgy, and a Fellow of the Geological Association of Canada.
3. I have been engaged in mining exploration for the past 24 years.
4. I have co-authored the report entitled, "Geological Investigation of the Fred and Rita Mineral Claims including Soil Geochemistry and Magnetometer Surveys, Slocan Mining Division, Kaslo, B. C.", dated June 25, 1983. The report is based upon fieldwork and research supervised by the author.
5. I have no ownership in the property, nor in the stocks of Red Diamond Mines Ltd.
6. I consent to the use of this report in a prospectus or in a statement of material facts related to the raising of funds.

Respectfully submitted,



Locke B. Goldsmith, P.Eng.
Consulting Geologist

Vancouver, B. C.

June 25, 1983

REFERENCES

- Cairnes, C. E. 1934. Slocan Mining Camp, B. C. G.S.C. Memoir 173, 137 pp.
- Cairnes, C. E. 1935. Description of Properties, Slocan Mining Camp, B. C. G.S.C. Memoir 184.
- Fyles, J. T. 1967. Geology of the Ainsworth-Kaslo Area, B. C. B.C.D.M. & P.R., Bull. 53, 125 pp.
- Goldsmith, L. B. and Kallock, P. 1983. Review of Base and Precious Metal Resources, Kaslo-Lardeau-Whitewater Area, B. C. For: Rayrick Grubstaking Syndicate.
- Klepacki, D. W. 1983. Stratigraphic and Structural Relations of the Milford, Kaslo and Slocan Groups, Roseberry Quadrangle, Lardeau Map Area, B. C. In: Current Research, Part A, G.S.C. Paper 83-1A, pp. 229-233.
- Monger, J. W. H. et al. 1982. Tectonic Accretion and the Origin of the Two Major Metamorphic and Plutonic Belts in the Canadian Cordillera. Geology, V. 10, pp. 70-75.
- Read, P. B. and Wheeler, J. O. 1976. Geology, Lardeau West-Half, B. C. G.S.C. Open File 432.

COST STATEMENT, 1983 PROGRAMME

FRED-RITA PROJECT

PERSONNEL

L. B. Goldsmith, $\frac{1}{2}$ May 16, $\frac{1}{2}$ 21, $\frac{1}{2}$ 20, $\frac{1}{2}$ 25, $\frac{1}{8}$ 27, $\frac{1}{8}$ 30, $\frac{1}{2}$ June 30, $\frac{1}{2}$ July 1, $\frac{1}{2}$ 2, $\frac{1}{2}$ 3, $\frac{1}{2}$ 4, total $3\frac{1}{2}$ @ \$360/day	\$1,170.00	
P. Kallock, Apr. 22-28, May 20, May 28- June 5, $\frac{1}{2}$ 6, 7-9, $\frac{1}{2}$ 11, 12, 18, 23-26, 28, 30, total 29 days @ \$280/day	6,160.00	
R. Stewart, Apr. 22-28, total 7 days @ \$80/day	560.00	
G. Bennett, Apr. 22, 24-28, May 28-June 5, 7-9, 12, 18, total 20 days @ \$180/day	3,600.00	
J. Logan, May 28, 1 day @ \$280/day	280.00	
N. Davidson, June 24, 1 day @ \$400/day	<u>400.00</u>	
	\$12,170.00	\$12,170.00

ACCOMMODATION, FOOD

Total cost of \$1616.70 \div 61 personnel days = \$26.50/day/person	1,616.70
--	----------

TRANSPORTATION

Air fare	278.42	
4x4 trucks (2)	<u>2,057.45</u>	
	2,335.87	2,335.87

Vehicle cost of \$2057.45 \div 30 field days
x 2 vehicles, = \$34.29/vehicle/day

ANALYSES	9,355.46
----------	----------

REPORT	<u>2,884.20</u>
--------	-----------------

TOTAL	<u>\$25,478.03</u>
-------	--------------------

APPENDIX

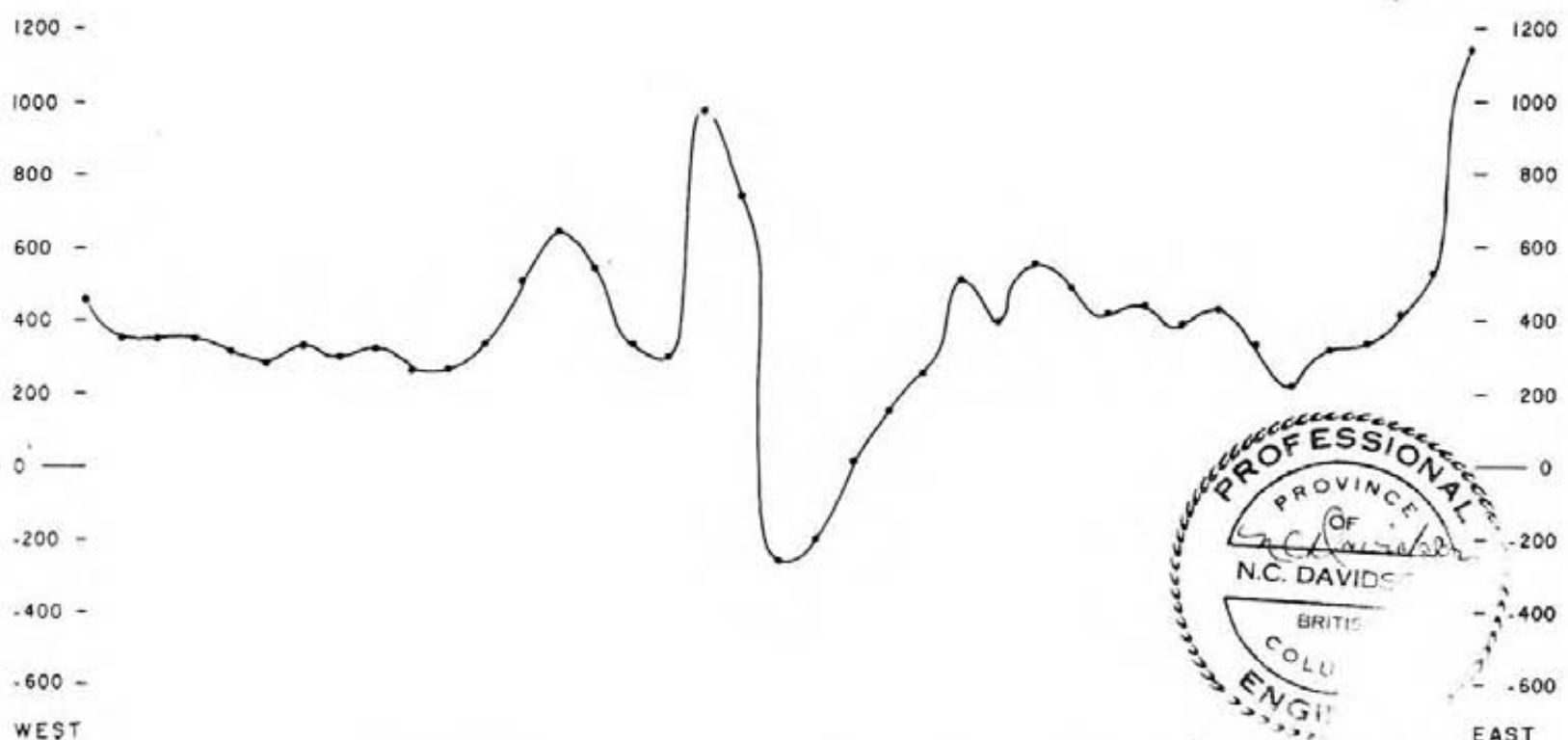
RED DIAMOND MINES LTD.

Gammas

Gammas

2000 -
1800 -
1600 -
1400 -
1200 -
1000 -
800 -
600 -
400 -
200 -
0 -
-200 -
-400 -
-600 -
WEST

- 2000
- 1800
- 1600
- 1400
- 1200
- 1000
- 800
- 600
- 400
- 200
- 0
- 200
- 400
- 600
EAST



1 cm. = 50 m.

0 50 100



25 METRE STATIONS

ARCTEX
ENGINEERING SERVICES



EXPIRY DATE JULY 15, 1984

MAGNETIC PROFILE
LINE 0+00N FRED CLAIM

TO ACCOMPANY JUNE 1983 REPORT BY KALLOCK, DAVIDSON & GOLDSMITH

Gammas

2000 -

1800 -

1600 -

1400 -

1200 -

1000 -

800 -

600 -

400 -

200 -

0 -

-200 -

-400 -

-600 -

WEST

Gammas

- 2000

- 1800

- 1600

- 1400

- 1200

- 1000

- 800

- 600

- 400

- 200

- 0

-200

-400

-600

EAST

RED DIAMOND MINES LTD.



EXPIRY DATE JULY 15, 1984

1 cm. = 50 m.

0 50 100



25 METRE STATIONS

ARCTEX
ENGINEERING SERVICES

MAGNETIC PROFILE
LINE 2+00 N FRED CLAIM

TO ACCOMPANY JUNE 1983 REPORT BY KALLOCK, DAVIDSON & GOLDSMITH

Gammas

2000 -

1800 -

1600 -

1400 -

1200 -

1000 -

800 -

600 -

400 -

200 -

0 -

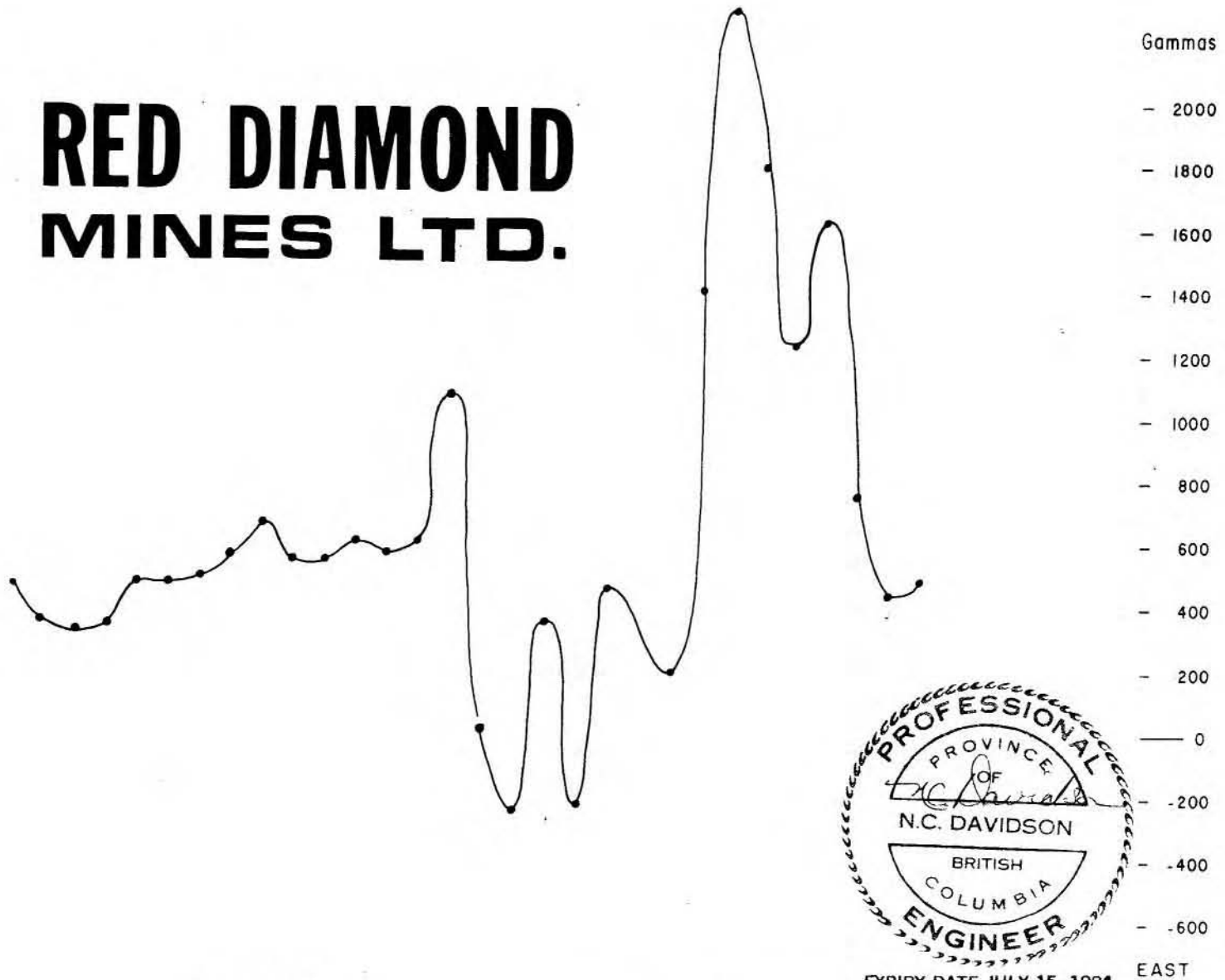
-200 -

-400 -

-600 -

WEST

RED DIAMOND MINES LTD.



Gammas

2000 -

1800 -

1600 -

1400 -

1200 -

1000 -

800 -

600 -

400 -

200 -

0 -

-200 -

-400 -

-600 -

EAST

1 cm. = 50 m.

0 50 100



ARCTEX
ENGINEERING SERVICES

25 METRE STATIONS



EXPIRY DATE JULY 15, 1984

MAGNETIC PROFILE
LINE 5+50N FRED CLAIM

TO ACCOMPANY JUNE 1983 REPORT BY KALLOCK, DAVIDSON & GOLDSMITH

ROCK SAMPLE DESCRIPTIONS

- Rita-1 Along ditch of Mt. Buchanan Road, 10 m exposure of calcareous tufa with less than 1% disseminated manganese oxide. Sample of 1-metre chip.
- Rita-2 Along road which leads to south end of Blue Ridge, 0.5 m chip of phyllitic schist, strongly weathered with fracture fillings of manganese oxide, less than 2% of rock.
- Rita-3 Chip of calcareous tufa cementing surficial detritus near Kaslo Road.
- Rita-4 8 metres east of old Kaslo wagon road; sample of manganese oxide soil, metallic black. Area of past dozer exploration.
- Rita-5 15 m south of Rita-4, similar black soil appears to be 100% manganese oxide.
- Rita-6 150 m south of Rita-5, calcareous tufa with 75% manganese oxide, 1-metre chip of dozed-up slab.
- Rita-7 From hand dug pit, 100 m northeast of Rita-4, 10 cm chip of 90% manganese oxide underlain by iron ferricrete.
- Rita-8 100 metres north of Rita-7, sample of soft manganese oxide soil from 30 cm deep shovel pit.
- Rita-9 Creek bed on Rita claim, elevation 3200', grab chips of calcareous tufa containing 3-5% manganese oxide; possibly greenstone bedrock nearby.
- Rita-10 Elevation 3583' along Mt. Buchanan Road, 20 cm chip of grey siliceous argillite with 0.5% patchy pyrite.
- Rita-11 8 metres east of Rita-Sunset corner post (southwest Rita), 25 cm chip of quartz-carbonate veins cutting greenstone. Strong siderite traces to 1% pyrite. Non-magnetic.
- Rita-12 Along old Kaslo wagon road near south limit of Rita claim, 2-metre chip of pyritiferous schistose greenstone near N50°E60°N fault zone. 3-10% pyrite as disseminated cubes and as veinlets.

ROCK SAMPLE DESCRIPTIONS (continued)

- Rita-13 Near soil sample R-140, elevation 3120'. Sample from 25-40 cm below surface, includes chunky MnOx below the black, soft soil (as represented in R-140) and above brown limonite-stained soil. Bog manganese, wet, water present in excavated hole.
- Rita-14 Above Kaslo highway slightly south of south line of Rita claim, chip of 15 cm of friable, grey, bedded limestone with 5% disseminated cubic pyrite.
- Fred-1 On side of old Kaslo wagon road, bright orange precipitate deposited recently by bubbling, odorless, cold mineral spring 30-50 gallons/minute discharge.
- Fred-2 Elevation 3550', sample of one of many quartz veins cutting medium-grained granite or alaskite. Most veins are barren; several contain limonite, locally vuggy with quartz crystals, local small shears with chlorite schist. Pyrite less than 1% common in granite. Sample of 10 cm of quartz limonite vein.
- Fred-3 15 m above Fred-2, silicified granite with 0.5% pyrite. Representative chip of granite. Background value.
- Fred-4 50 m east of old Kaslo road, between Fred-1 and main creek. Grab of manganese and iron oxide cemented detritus from 0.5 x 1 m prospect pit.
- Fred-5 Elevation 3940', 1-metre or greater granite dyke, strong irregular smokey quartz veins, 1% pyrite, intrudes greenstone.
- Fred-6 Along Mt. Buchanan road cut 15 m east of R-127, elevation 3250', mafic intrusive locally altered to serpentine, fibrous actinolite and crysotile; traces pyrite (?), weak limonite, strongly magnetic, 1-metre chip.
- Fred-7 50 m southeast of Fred-6, 1 m chip, no sulphides in strongly magnetic serpentinite.
- Fred-8 50 m northwest of Fred-6, 1 m chip of serpentinite, strongly magnetic, abundant carbonate (dolomite?) and calcite.
- FSSR-8 Near stream sediment sample FSS-8, 10 cm piece of quartz float with 1-2% galena, 1-2% pyrite and 5-15% limonite. Subangular to subrounded.

ROCK SAMPLE DESCRIPTIONS (continued)

- F 211+25E Siliceous, light green, very fine-grained metasediment with 25% siderite and quartz veining; local pods of chlorite, less than 0.5% pyrite.
- F 211+26E Fine-grained metasediment, possibly carbonaceous (?) or iron-manganese impregnated, strong irregular quartz veins, local surficial yellow-green stain.
- Fred-3700 Sample of siliceous phyllite with strong MnOx, clay and strong fracturing. Beds trend N10°E90° strongly oxidized, probable faulting. Gabbro is 20 m to the west.
- Fred-3900 South side of stream, elevation 3900', select grab of quartz vein, ~1 m wide, trending N80°E80°S, greenstone host.
- R 139+25NE Hard manganese oxide cementing gravels in stream bed, lesser ferricrete. Serpentinite boulders common. Sample of MnOx.
- R 139+50NE 10 cm chip of green fine-grained banded intrusive (?) or greenstone with 3-5% pyrite and 10-20% magnetite.
- R 139+50NE WAD Near previous sample, manganese and iron cementing gravels, fragments of granite, talc schist, serpentinite and metasediments. Sample predominantly oxides.
- Fred 140+50NE Sample of manganese and iron oxides cementing woody plant debris, ~50 m northeast of soil sample F-140.
- Fred 195 R Near F 195 in stream bed, MnOx cement below calcareous tufa.
- Rita 14S, 9E 1-metre chip sample of chert beds trending N7°W90°, containing 1-2% disseminated pyrite. Moderate tan to orange limonite stain.
- Rita 14S, 9+5E Shear zone at eastern exposure of tan chert, sample across 30 cm of clay-rich graphitic schist (?).
- F-Rock 6+50N,
0+00W Chip of quartz-siderite with lesser limonite veins cutting coarse-grained granite. Most veins trend N65°E55°S.
- F-Rock 7+50N,
1+00E Representative sample of serpentinite, less than 1% pyrite, strong magnetite, background value.

ROCK SAMPLE DESCRIPTIONS (continued)

- F-Rock 13+00N,
0+00W Elevation 3650', chip of serpentinite, common light tan actinolite (?) crystals.
- Rock 35S 15W In road cut 1.0 km south to southeast of Rita claim on road which leads south of lookout. 10% pyrite in altered intrusive, faulting locally gossanous. Select of most sulphides.
- F-Rock 5+75N,
1+75E Representative sample of serpentinite outcrop, moderate limonite and hematite stain, weak to moderate veinlets of noncalcareous tan to white with finely crystalline material amounting to 5% of rock.
- F-Rock 0+50N 0W Chip of layered or foliated diabase (?) N30°W68°E, contains 2% disseminated pyrite and 3-8% disseminated magnetite.
- F-Rock 8+50N,
3+75E Chip across 1 m wide zone of talc (?) schist containing blue-green soft material (brucite?). Exceptionally heavy. Bounded by cherty metasediments.

To: ARCTEX ENGINEERING SERVICES,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3

ATTN: L.B. Goldsmith



File No. 24728
 Date May 31, 1983
 Samples Soil
 Project: Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppb Au
<u>"Soil Samples"</u>					
F-1	33	17	72	.3	5
2	42	31	78	.2	15
3	86	16	70	.2	5
4	51	50	115	.3	5
5	126	18	79	.2	5
6	87	18	63	.3	Nil
7	54	25	82	.2	Nil
8	62	19	61	.2	Nil
9	44	33	121	.3	5
10	34	124	480	.7	30
11	51	260	+1000	2.3	5
12	62	115	560	.6	5
13	96	35	145	.6	Nil
14	36	33	96	.3	Nil
15	25	23	139	.4	5
16	47	31	116	.2	5
17	38	30	134	.3	Nil
18	31	24	153	.4	5
19	36	38	160	.4	10
20	55	61	280	.5	5
21	29	24	124	.4	Nil
22	74	27	147	.9	Nil
23	96	130	500	1.0	Nil
24	97	34	113	5.0	Nil
25	63	33	102	.5	5
26	61	17	73	.3	5
27	60	18	72	.5	Nil
28	111	14	54	.3	5
29	89	15	54	.3	Nil

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

D. Enders

Assayer

To: ARCTEX ENGINEERING SERVICES,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3

ATTN: L.B. Goldsmith



File No. 24728
 Date May 31, 1983
 Samples Soil
 Project: Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppb Au
F-30	53	17	74	.4	Nil
31	80	21	84	.5	25
32	41	16	87	.4	5
33	46	15	77	.3	Nil
34	72	19	102	.3	Nil
35	44	47	181	.4	Nil
36	47	25	123	.5	5
37	86	17	86	.5	5
38	55	65	280	.9	5
39	147	52	141	27.0	5
40	30	29	101	.9	Nil
41	36	14	80	.3	Nil
42	29	19	96	.4	5
43	52	16	95	.3	Nil
44	24	20	91	.4	40
45	34	12	64	.4	Nil
46	34	15	69	.3	5
47	14	17	54	.4	5
48	35	15	68	.4	10
49	20	16	107	.4	5
50	22	16	145	.6	5
51	37	16	72	.3	Nil
52	24	17	103	.4	5
53	24	16	91	.5	10
54	26	15	70	.5	Nil
55	12	16	123	.5	Nil
56	17	16	122	.6	5
57	45	14	54	2.6	5
58	21	14	124	.6	5
59	17	17	96	.8	5
60	24	10	54	.5	Nil

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Assayer

To: ARCTEX ENGINEERING SERVICES,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3

ATTN: L.B. Goldsmith



File No. 24728
 Date May 31, 1983
 Samples Soil
 Project: Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppb Au
F-61	31	14	102	.4	Nil
62	19	16	125	.7	Nil
63	22	17	84	.6	5
64	18	16	102	.3	35
65	111	20	59	.4	5
66	58	20	122	1.1	10
67	30	19	104	.4	5
68	43	16	83	.4	Nil
69	13	14	97	.4	10
70	24	18	96	.5	Nil
71	19	15	130	.4	25
72	21	18	91	.5	5
73	26	17	114	.4	Nil
74	41	15	55	.6	Nil
75	40	15	46	.4	5
76	20	17	135	.7	5
77	10	20	104	.3	Nil
78	30	20	81	.5	Nil
79	94	26	106	.7	Nil
80	58	25	70	.7	Nil
81	14	22	179	.4	5
82	76	22	78	.3	Nil
83	72	22	108	.4	Nil
84	105	23	67	.6	Nil
85	33	15	44	.4	10
R-1	26	28	121	.5	Nil
2	17	23	178	.7	5
3	21	22	168	.5	5
4	20	22	180	.9	5
5	46	22	102	1.0	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

D. Goldsmith
 Assayer

To: ARCTEX ENGINEERING SERVICES,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3

ATTN: L.B. Goldsmith



File No. 24728
 Date May 31, 1983
 Samples Soil
 Project: Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 4

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppb Au
R-6	36	26	103	.4	5
7	103	29	109	1.5	10
8	25	25	121	.4	Nil
9	40	34	202	2.7	5
10	14	26	300	.7	Nil
11	27	18	97	.3	Nil
12	136	30	175	7.4	10
13	21	18	149	.4	5
14	25	19	172	.5	5
15	36	34	310	.4	Nil
16	14	21	178	.4	Nil
17	40	16	120	.4	5
18	10	15	83	.7	5
19	33	17	136	.4	Nil
20	10	11	25	.2	5
21	70	20	145	1.0	5
22	69	53	105	.8	5
23	18	18	68	.5	Nil
24	35	17	71	.5	5
25	29	21	138	.5	5
26	99	24	86	12.1	Nil
27	31	16	100	.5	5
28	37	18	68	.5	Nil
29	28	15	99	.4	Nil
30	17	32	81	.4	Nil
31	32	17	119	.6	Nil
32	47	17	156	.5	5
33	44	16	74	.9	5
34	58	19	54	.7	Nil
35	29	11	107	.5	5
36	30	16	220	.5	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

P. Enders
 Assayer

To: ARCTEX ENGINEERING SERVICES,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3

ATTN: L.B. Goldsmith



File No. 24728
 Date May 31, 1983
 Samples Soil
 Project: Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 5

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppb Au
R-37	27	11	125	.4	5
38	117	26	142	1.4	4
39	62	18	197	.8	Nil
40	68	19	207	.7	5
41	51	13	89	.7	5
42	27	13	70	.7	10
43	15	8	44	.8	5
44	19	13	132	.9	Nil
45	14	13	90	.7	Nil
46	18	13	111	.7	5
47	95	24	59	1.5	5
48	88	27	122	1.1	5
49	15	17	119	1.1	5
50	23	17	132	.6	Nil
51	26	16	102	.7	5
52	17	16	115	.9	Nil
53	28	16	71	.4	25
54	38	18	89	.5	5
55	25	15	70	.3	5
56	14	20	103	.4	Nil
57	23	17	102	2.0	5
58	20	16	129	.3	Nil
59	18	16	169	.2	5
60	34	13	99	.3	10
61	27	18	90	.2	5
62	22	13	97	.2	Nil
63	19	22	103	.3	5
64	26	19	138	.2	5
65	36	20	119	.2	5
66	124	22	83	.4	Nil
67	42	23	117	.8	Nil

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

A. E. [Signature]
 Assayer

To: ARCTEX ENGINEERING SERVICES,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3

ATTN: L.B. Goldsmith



File No. 24728
 Date May 31, 1983
 Samples Soil
 Project: Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 6

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppb Au
R-68	85	26	82	8.3	5
69	49	20	191	.3	10
70	62	19	101	.5	10
71	66	15	35	.4	5
72	47	19	125	.5	10
73	35	18	108	.3	5
74	21	18	121	.3	5
75	21	19	134	.2	Nil
76	14	19	105	.2	5
77	24	17	122	.4	10
78	42	17	91	.2	5
79	25	18	92	.3	Nil
80	38	15	78	.3	5
81	17	18	77	.4	5
82	32	17	100	.3	5
83	17	18	119	.2	Nil
84	27	17	75	.2	Nil
85	52	23	55	.4	5
86	51	19	44	.4	Nil
87	26	16	104	.1	Nil
88	42	18	125	.3	5
89	77	19	48	.5	35
90	42	16	109	.3	10

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Assayer

To: LOCKE B. GOLDSMITH,
 Arctex Engineering Services,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24713
 Date May 19, 1983
 Samples Soil
 Project: Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	ppm Pb	ppm Zn	ppm Ag	ppb Au
<u>"Soil Samples"</u>				
R-91	23	59	2.5	5
92	12	114	1.5	5
93	13	69	1.6	5
94	17	99	1.5	Nil
95	20	173	1.9	5
96	18	107	1.7	Nil
97	13	70	2.1	Nil
98	13	66	1.9	10
99	21	144	1.9	5
100	20	64	1.7	5
101	33	69	2.2	5
102	19	86	1.6	Nil
103	16	129	1.9	5
104	35	15	3.7	Nil
105	12	25	1.8	20
106	15	86	1.8	Nil
107	15	97	1.9	5
108	16	80	1.7	5
109	18	115	1.6	15
110	19	135	2.7	Nil
111	26	164	2.3	5
112	31	204	2.8	Nil
113	31	77	1.8	5
114	20	148	2.3	5
115	25	86	2.6	Nil

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Paul J. [Signature]
 Assayer

To: LOCKE B. GOLDSMITH,
 Arctex Engineering Services,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24708
 Date May 19, 1983
 Samples Soil
 Project: Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	ppm Cu	ppm Ni	ppm Ag	ppb Au
<u>"Core Samples"</u>				
R-116	28	37	7.1	5
117	19	31	4.4	10
118	33	35	3.6	Nil
119	28	36	2.6	Nil
120	26	32	2.4	5
121	28	29	2.5	Nil
122	17	51	2.1	5
123	30	125	2.2	10
124	25	65	2.4	Nil
125	69	124	2.5	5
126	13	32	3.5	5
127	17	140	1.7	Nil
128	28	39	1.6	5
129	25	28	1.2	Nil
130	33	33	1.7	5
131	52	36	1.5	Nil
132	30	43	1.7	10
133	57	49	1.7	5
134	28	31	1.6	5
135	27	40	1.9	5
136	49	32	1.9	Nil
137	45	33	1.6	5
138	30	30	1.6	Nil
139	17	53	1.2	5
140	28	560	78.0	15
141	72	97	3.1	5
142	19	31	1.9	Nil
143	19	35	1.7	5
144	18	27	1.9	5

I **Hereby Certify** THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Paul J. Swan
 Assayer

To: LOCKE B. GOLDSMITH,
Arctex Engineering Services,
301, 1855 Balsam Street,
Vancouver, B.C. V6K 3M3



File No. 24708
 Date May 19, 1983
 Samples Soil
 Project: Red Diamond

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	ppm Cu	ppm Ni	ppm Ag	ppb Au
R-145	27	30	1.3	10
146	46	41	1.7	10
147	12	24	1.4	Nil
148	39	41	1.8	Nil
149	27	34	1.8	Nil
150	22	30	1.6	5
151	12	32	1.2	5
152	23	36	1.6	Nil
153	21	31	1.8	Nil
154	17	21	1.5	Nil
155	19	18	1.3	Nil
156	17	22	1.2	5
157	11	12	1.3	5
158	22	24	1.4	5
159	22	92	1.6	Nil
160	18	27	1.1	5
161	22	36	1.6	Nil
162	34	44	2.2	Nil
163	59	66	2.3	30
164	45	33	1.9	Nil
165	44	42	2.0	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.


 Assayer

To: LOCKE B. GOLDSMITH,
Arctex Engineering Services,
301, 1855 Balsam Street,
Vancouver, B.C. V6K 3M3



File No. 24709
 Date May 19, 1983
 Samples Soil
 Project: Red Diamond

Certificate of
 ASSAY of
LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppb Au
<u>"Core Samples"</u>					
R-166	26	17	75	1.5	5
167	23	18	118	1.9	5
168	16	17	169	2.9	Nil
169	21	15	113	2.7	5
170	13	15	117	2.0	Nil
171	14	18	91	1.6	Nil
172	24	16	96	1.9	Nil
173	21	15	138	2.2	5
174	16	15	129	2.3	5
175	26	15	106	1.5	Nil
176	22	13	86	1.5	85
177	20	16	126	1.4	5
178	11	12	44	1.7	5
179	27	13	58	1.9	5
180	29	16	142	1.9	10
181	38	16	179	2.6	15
182	76	25	570	2.8	5
183	23	19	134	1.8	5
184	45	18	98	2.3	360
185	23	15	113	1.8	5
186	27	13	102	1.9	40
187	29	15	83	1.7	Nil
188	25	15	86	1.7	10
189	40	14	60	1.3	5
190	34	14	66	3.6	5
191	46	16	72	1.7	Nil
192	19	16	69	1.5	Nil
193	29	22	70	2.2	Nil
194	42	70	89	1.7	5

I **Hereby Certify** THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Sal Juan
 Assayer

To: LOCKE B. GOLDSMITH,
 Arctex Engineering Services,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24709
 Date May 19, 1983
 Samples Soil
 Project: Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ag	ppb Au
R-195	63	45	105	2.2	Nil
196	26	49	64	1.0	110
197	44	17	82	1.2	5
198	21	12	42	1.1	Nil
199	36	18	92	1.8	5
200	44	21	108	1.5	Nil
201	37	20	69	1.7	Nil
202	40	21	122	1.4	5
203	56	16	74	1.5	5
204	52	21	153	1.6	5
205	39	26	174	2.4	Nil
206	25	18	161	1.7	5
207	20	17	155	1.6	5
208	18	22	191	1.2	5
209	25	17	137	1.2	10
210	23	15	88	1.3	5
211	15	16	99	1.4	5
212	25	16	113	4.3	Nil
213	17	17	86	1.7	Nil
214	34	16	82	1.2	Nil
215	15	15	129	1.1	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]
 Assayer

To: Mr. Locke B. Goldsmith,.....
 301, 1855 Balsam Street,.....
 Vancouver, B.C. V6K 3M3
 cci: Silverton, B.C.
 Stanwood, WA



File No. 24714
 Date May 27, 1983
 Samples Soil
 Red Diamond Project

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	PPM Pb	PPM Zn	PPM Ag	PPB Au
<u>"Soil Samples"</u>				
F- 86	23	84	0.8	NIL
87	22	87	0.8	5
88	20	68	0.4	NIL
89	22	64	0.4	5
90	13	56	0.4	5
91	19	64	0.3	5
92	12	44	0.3	10
93	18	96	0.5	5
94	19	58	0.5	NIL
95	20	99	0.6	NIL
96	18	80	0.5	5
97	16	75	0.3	5
98	17	87	0.5	NIL
99	22	115	0.4	5
100	20	116	0.5	5
101	19	119	0.3	5
102	19	59	0.4	5
103	18	41	0.3	10
104	14	53	0.4	5
105	17	54	0.3	115
106	23	92	0.2	5
107	23	107	0.2	NIL
108	19	70	0.1	NIL
109	20	79	0.2	NIL
110	24	115	0.2	NIL
111	26	99	0.2	NIL
112	19	127	0.4	5
113	24	133	0.4	NIL
114	26	116	0.4	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.


 Assayer

To: Mr. Locke B. Goldsmith,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3
 cc: Silverton, B.C.
 Stanwood, WA



File No. 24714
 Date May 27, 1983
 Samples Soil
 Red Diamond Project

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM Pb	PPM Zn	PPM Ag	PPB Au
F-115	18	79	0.3	5
116	17	76	0.5	10
117	13	71	0.3	5
118	17	105	0.4	5
119	18	87	0.4	5
120	17	79	0.4	NIL
121	20	105	0.7	5
122	17	84	0.3	5
123	16	70	0.3	NIL
124	18	84	0.4	NIL
125	20	168	0.4	5
126	19	136	0.4	NIL
127	14	40	0.2	NIL
128	18	152	0.4	5
129	21	103	0.2	10
130	20	79	0.5	5
131	28	103	0.4	5
132	14	41	0.2	5
133	29	68	0.6	5
134	22	81	0.5	5
135	18	112	0.6	NIL
136	26	80	0.4	5
137	25	110	0.4	NIL
138	14	67	0.4	NIL
139	24	79	0.3	5
140	20	126	0.4	NIL
141	17	96	0.3	5
142	14	41	0.2	5
143	21	100	0.3	5
144	20	106	0.4	NIL
145	20	89	0.3	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.


 Assayer

To: Mr. Locke B. Goldsmith,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3
 cc: Silverton, B.C.
 Stanwood, WA



File No. 24714
 Date May 27, 1983
 Samples Soil
 Red Diamond Project

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	PPM Pb	PPM Zn	PPM Ag	PPB Au
F-146	14	76	0.4	10
147	67	90	0.4	NIL
148	27	120	0.6	5
149	18	118	0.3	NIL
150	11	43	0.2	5
151	25	155	0.4	5
152	21	141	0.5	NIL
153	15	98	0.4	5
154	29	178	0.9	5
155	40	125	0.7	5
156	17	87	0.4	5
157	27	104	0.6	NIL
158	20	105	0.4	NIL
159	21	114	1.0	NIL
160	20	121	4.1	5
161	19	102	0.5	5
162	19	105	0.5	NIL
163	17	108	0.6	NIL
164	13	53	0.4	5
165	16	109	0.6	NIL
166	17	110	0.6	5
167	19	87	0.3	5
168	24	86	0.4	5
169	18	113	0.6	5
170	17	92	0.5	NIL
171	22	81	0.6	5
172	23	86	0.5	5
173	18	113	0.4	5
174	18	143	0.4	5
175	15	62	0.2	5
176	17	43	0.2	10

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained 1 month.
 Pulps Retained 1 month
 unless specific arrangements
 made in advance.

[Signature]
 Assayer

To: Mr. Locke B. Goldsmith,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3
 cc: Silverton, B.C.
 Stanwood, WA



File No. 24714
 Date May 27, 1983
 Samples Soil
 Red Diamond Project

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 4

SAMPLE No.	PPM Pb	PPM Zn	PPM Ag	PPB Au
F-177	51	99	0.4	10
178	20	240	0.5	5
179	25	198	0.4	NIL
180	21	154	0.4	NIL
181	28	48	0.3	5
182	26	84	0.6	5
183	14	149	0.4	NIL
184	20	90	0.3	5
185	20	143	0.4	5
186	16	95	0.3	NIL
187	16	118	0.5	NIL
188	25	133	0.3	NIL
189	16	108	0.4	5
190	17	130	0.4	NIL
191	16	141	0.5	5
192	23	132	0.4	5
193	15	144	0.2	NIL
194	18	121	0.4	5
195	27	53	0.1	10
196	17	166	0.2	5
197	27	187	0.3	5
198	25	187	0.4	NIL
199	21	72	0.3	NIL
200	14	59	0.4	15
201	20	69	0.2	5
202	20	104	0.4	10
203	7	64	0.1	5
204	11	75	0.1	NIL
205	13	134	0.3	NIL
206	13	104	0.3	5
207	12	66	0.3	10

I **Hereby Certify** THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

D. Ende
 Assayer

To: Mr. Locke B. Goldsmith,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3
 cc: Silverton, B.C.
 Stanwood, WA



File No. 24714
 Date May 27, 1983
 Samples Soil
 Red Diamond Project

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 5

SAMPLE No.	PPM Pb	PPM Zn	PPM Ag	PPB Au
F-208	12	84	0.2	5
209	43	166	0.3	NIL
210	14	87	0.2	NIL
211	11	51	0.2	5
212	10	63	0.1	NIL
213	8	44	0.2	5
214	10	112	0.1	5
215	13	79	0.2	5
216	34	91	0.1	5
217	69	78	0.1	NIL
218	11	59	0.1	5
219	12	117	0.1	NIL
220	13	74	0.1	NIL

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

D. Enobes
 Assayer

To: Mr. Locke B. Goldsmith,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3
 cc: Silverton, B.C.
 Stanwood, WA



File No. 24726
 Date May 25, 1983
 Samples Rock
 Red Diamond Project

Certificate of
 ASSAY of
LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	PPM Cu	PPM Pb	PPM Zn	PPM Ag	PPM Mn	PPB Au
"Rock Samples"						

Rita-1	-	-	-	1.5	-	10
Rita-2	-	-	-	1.4	-	5
Rita-3	-	-	-	1.5	-	5
Rita-4	-	-	-	1.6	+1000	10
Rita-5	-	-	-	1.6	+1000	15
Rita-6	-	-	-	1.6	+1000	NIL
Rita-7	-	-	-	1.4	+1000	15
Rita-8	-	-	-	1.7	+1000	10
Fred-1	-	-	-	1.8	-	5
Fred-2	-	-	-	19.0	-	195
Fred-3	-	-	-	1.2	-	5
FSSR-8	-	+1000	209	10.0	-	10

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . .

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Bob Deane
 Assayer

To: Mr. Locke B. Goldsmith
 301, 1855 Balsam Street
 Vancouver, B.C. V6K 3M3
 c/o: Silverton, B.C.
 Stanwood, WA



File No. 24726
 Date May 25, 1983
 Samples Rock
 Red Diamond Project

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM As
"Rock Samples"	
Fred-1	13

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]
 Assayer

To: Mr. Lock B. Goldsmith,
301, 1855 Balsam Street,
Vancouver, B.C. V6K 3M3
cc: Silverton, B.C.
Starwood, WA




File No. 24726
Date May 25, 1983
Samples Rock
Red Diamond Project

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	PPM Sb
<u>"Rock Samples"</u>	
Rita-1	127
Rita-2	21
Rita-3	123
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>	

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.


Assayer

To: Mr. Locke B. Goldsmith,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3
 c/o Silverton, B.C.
 Stanwood, WA



File No. 24726
 Date May 25, 1983
 Samples Rock
 Red Diamond Project

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 4

SAMPLE No.	% Mn	% Pb
<u>"Rock Samples"</u>		
Rita-4	34.80	-
Rita-5	32.80	-
Rita-6	3.75	-
Rita-7	32.00	-
Rita-8	33.20	-
FSSR-8	-	.36

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . .

Rejects Retained one month.

Pulps Retained one month
 unless specific arrangements
 made in advance.

Ass. J. [Signature]
 Assayer

To: Mr. Locke B. Goldsmith,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3
 cc: Silverton, B.C.
 Stanwood, WA



File No. 24716
 Date May 25, 1983
 Samples Rock
 Red Diamond Project

Certificate of
 ASSAY of
LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	PPM Cu	PPM Pb	PPM Zn	PPM Ni	PPM Ag	PPM Cr	PPB Au
<u>"Rock Samples"</u>							
Rita- 9	-	-	-	-	2.0	-	5
Rita-10	78	17	40	-	1.9	-	10
Rita-11	4	23	30	-	1.6	-	5
Rita-12	35	22	57	-	1.8	-	NIL
Rita-13	-	-	-	-	1.7	-	10
Rita-14	30	26	43	-	1.9	-	5
Fred- 4	-	-	-	-	1.6	-	5
Fred- 5	-	-	-	-	1.9	-	NIL
Fred- 6	15	-	-	+1000	1.9	520	NIL
Fred- 7	8	-	-	+1000	1.8	-	NIL
Fred- 8	11	-	-	+1000	1.6	-	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Bob Swan
 Assayer

To: Mr. Locke B. Goldsmith,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3
 cci: Silverton, B.C.
 Stanwood, WA



File No. 24716
 Date May 25, 1983
 Samples Rock
 Red Diamond Project

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM As
<u>"Rock Samples"</u>	
Rita- 9	NIL
Rita-13	3
Fred- 4	3
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>	

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Bob Deane
 Assayer

To: Mr. Locke B. Goldsmith,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3
 cc: Silverton, B.C.
 Stanwood, WA



File No. 24716
 Date May 25, 1983
 Samples Rock
 Red Diamond Project

Certificate of
 ASSAY of
LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	PPM Sb
<u>"Rock Samples"</u>	
Rita- 9	112
Rita-13	68
Fred- 4	15
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>	

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Paul J. Moran
 Assayer

To: Mr. Locke B. Goldsmith,.....
 ...301, ...1855 Balsam Street,.....
 ...Vancouver, B.C. V6K 3M3.....
 ...cc: Silverton, B.C.
 Stanwood, WA



File No.24716.....
 Date May 25, 1983.....
 Samples Rock.....
 Red Diamond Project

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 4

SAMPLE No.	% Ni
<u>"Rock Samples"</u>	
Fred-6	.14
Fred-7	.17
Fred-8	.17
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>	

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Bob Jones
 Assayer

To: Mr. Locke B. Goldsmith,
301, 1855 Balsam Street,
Vancouver, B.C. V6K 3M3
cc: Silverton, B.C.
Stanwood, WA



File No. 24729
Date May 26, 1983
Samples Stream Sediments
Red Diamond Project

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	OZ./TON SILVER
<u>"Stream Sediments"</u> FSS-4 FSS-8	 1.96 .93

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.


Assayer

To: Mr. Locke B. Goldsmith,....
 301, 1855 Balsam Street,.....
 Vancouver, B.C. V6K 3M3.....
 cc: Silverton, B.C.
 Stanwood, WA



File No. 24729
 Date May 26, 1983
 Samples Stream Sediments
 Red Diamond Project

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM Cu	PPM Pb	PPM Zn	PPM Ag	PPB Au
<u>"Stream Sediments"</u>					
FSS- 1	64	12	57	1.0	5
FSS- 2	62	20	87	4.9	NIL
FSS- 3	77	20	76	24.4	5
FSS- 4	107	24	91	+30.0	NIL
FSS- 5	102	20	70	1.4	NIL
FSS- 6	151	38	129	2.1	5
FSS- 7	72	24	92	1.1	5
FSS- 8	51	19	64	+30.0	5
FSS- 9	75	30	69	1.0	NIL
FSS-10	65	19	60	21.6	5
FSS-11	67	22	64	1.0	10
SR- 7	117	31	97	2.3	5
SR-11	51	15	67	1.2	NIL
SR-17+18	60	28	92	21.9	5
SR-19+20	53	21	71	1.2	NIL
SR-23+24	69	20	77	1.6	NIL

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulp Retained one month
 unless, specific arrangements
 made in advance.

[Signature]
 Assayer

To: Mr. Locke B. Goldsmith,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3
 cc: Silverton, B.C.
 Stanwood, WA



File No. 24715
 Date May 26, 1983
 Samples Rock Chip
 Red Diamond Project

Certificate of
 ASSAY of
LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	OZ./TON SILVER
<u>"Rock Chips"</u>	
FSS-17	1.38
FSS-19	1.18
FSS-22	1.11
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>	

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

[Signature]
 Assayer

To: Mr. Locke B. Goldsmith,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3
 cc: Silverton, B.C.
 Stanwood, WA



File No. 24715
 Date May 26, 1983
 Samples Stream Sediments
 Red Diamond Project

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	PPM Cu	PPM Pb	PPM Zn	PPM Ag	PPB Au
<u>"Stream Sediments"</u>					
RSS- 1	48	28	71	1.3	115
RSS- 2	20	39	53	1.7	NIL
RSS- 3	27	27	78	1.7	5
RSS- 4	21	26	94	1.4	5
RSS- 5	44	24	77	1.7	5
RSS- 6	63	56	113	1.9	90
RSS- 7	74	25	80	8.0	35
RSS- 8	92	37	79	1.9	105
FSS-11 B	119	27	63	29.0	5
FSS-12 A	69	21	68	29.8	NIL
FSS-12 B	125	24	72	1.9	NIL
FSS-13	74	29	102	17.0	NIL
FSS-14	86	23	63	1.9	10
FSS-15	76	22	78	5.0	5
FSS-16	100	27	86	2.2	5
FSS-17	84	22	92	+30.0	15
FSS-18	113	27	123	2.1	5
FSS-19	133	26	84	+30.0	5
FSS-20	97	25	97	1.4	5
FSS-21	119	47	89	2.6	10
FSS-22	118	22	37	+30.0	NIL

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Bob Jones
 Assayer

To: L.B. Goldsmith,
301, 1855 Balsam Street,
Vancouver, B.C. V6K 3M3



File No. 24878
Date June 21, 1983
Samples Soil
Fred/Rita Project
Red Diamond

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	% Ni
<p>"Assay" "Soil Sample" F1E-7+50</p>	<p>.11</p> <p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

Bob Dean
Assayer

To: L.B. GOLDSMITH,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24878
 Date June 21, 1983
 Samples Soil
 Fred/Rita Project
 Red Diamond

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Ag	ppb Au
"Soil Samples"						
"Geochems"						
F1E-5+50 N	25	13	82	29	.4	Nil
6+00	19	15	89	33	.4	Nil
6+50	15	18	230	36	.1	Nil
7+00	14	15	91	35	Nil	Nil
7+50	26	21	49	1000+	Nil	Nil
8+00	21	16	122	46	Nil	15
8+50	20	18	169	32	.4	Nil
9+00	19	23	105	35	.2	Nil
9+50	51	21	56	270	.1	Nil
10+00	10	18	58	650	.1	Nil
10+50	15	15	140	27	.1	5
11+00	32	13	68	51	.1	Nil
11+50	19	17	696	49	.1	Nil
12+00	12	12	50	190	Nil	Nil
12+50	14	17	93	83	.1	5
13+00	27	17	58	55	Nil	5
13+50	54	18	164	107	.2	15
14+00	15	14	139	31	.1	5
F7E-0+00 N	27	17	169	32	.2	Nil
0+50	25	17	107.	31	.1	Nil
1+00	21	16	116	32	.1	5
1+50	26	16	107	35	.1	Nil
2+00	25	16	97	33	Nil	Nil
2+50	17	18	162	25	.2	Nil
3+00	20	17	138	32	1.0	5
3+50	33	18	154	37	.4	Nil
4+00	31	21	127	44	.4	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . .

Rejects Retained one month.

Pulps Retained one month
 unless specific arrangements
 made in advance.

Bob [Signature]
 Assayer

To: L.B. GOLDSMITH,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24878
 Date June 21, 1983
 Samples Soil
 Fred/Rita Project
 Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Ag	ppb Au
<u>"Geochems"</u>						
F7E-4+50 N	30	20	122	44	1.8	Nil
5+00	18	14	195	21	.1	5
5+50	29	18	101	38	.1	5
6+00	38	21	84	44	.1	Nil
6+50	31	20	130	44	.1	25
7+00	32	23	91	39	.4	5
7+50	55	19	85	38	.2	5
8+00	30	16	80	42	.1	5
8+50	24	19	108	46	.1	5
9+00	20	17	92	33	.1	5
9+50	35	22	103	46	.1	5
10+00	25	16	84	54	.1	Nil
10+50	30	22	240	53	.3	5
11+00	45	22	40	6	.1	Nil
11+50	45	21	96	43	.2	Nil
12+00	27	21	145	33	.1	Nil
12+50	18	19	105	25	.1	Nil
13+00	20	20	135	25	.6	Nil
13+50	14	17	86	17	.1	Nil
14+00	36	20	76	42	.2	Nil
14+50	21	17	121	23	.3	Nil
15+00	16	17	108	27	.2	Nil
15+50	20	17	98	28	.3	Nil
16+00	23	18	63	31	.2	Nil
16+50	43	24	167	56	.3	Nil
17+00	22	19	83	37	.3	Nil
17+50	23	18	100	45	.6	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.


 Assayer

To: L.B. GOLDSMITH,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24878
 Date June 21, 1983
 Samples Stream Sediment
 Fred/Rita Project
 Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 4

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Ag	ppb Au
<u>"Stream Sediment"</u>						
<u>"Geochems"</u>						
FSS7E-6+50 N	75	24	104	43	.2	Nil
7+50	69	26	102	40	.3	5
16+42	74	25	107	60	.3	10
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>						

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Bob Swan
 Assayer

To: L.B. GOLDSMITH,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24878
 Date June 21, 1983
 Samples Rock
 Fred/Rita Project
 Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 5

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Ag	ppb Au
<u>"Rock Samples"</u>						
<u>"Geochems"</u>						
Rita-14S-9E	17	13	220	20	.2	5
Rita-14S-9+5E	73	23	115	220	.4	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Soli Juan
 Assayer

To: ARCTEX ENGINEERING SERVICES,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24863
 Date June 16, 1983
 Samples Rock
 Rayrick-Fred/Rita Project

ATTN: L.B. Goldsmith

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	ppm Pb	ppm Zn	ppm Ni	ppm Ag	ppb Au
<u>"Rock Samples"</u>					
F211+25E	9	13	9	.8	Nil
F211+26E	15	19	12	.3	5
Fred-3700	11	184	98	.6	Nil
Fred-3900	27	36	15	.1	40
R-139+25NE	66	126	770	.5	5
R-139+50NE	17	58	86	.1	Nil
R-139+50NE WAD	21	67	380	.5	Nil
Fred-140+50NE	30	30	340	.5	5
Fred-195R	17	72	216	.1	5

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . .

Rejects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.

L.B. Goldsmith
 Assayer

To: ARCTEX ENGINEERING SERVICES,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24863
 Date June 16, 1983
 Samples Soil
 Rayrick-Fred/Rita Project

ATTN: L.B. Goldsmith

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	ppm Pb	ppm Zn	ppm Ni	ppm Ag	ppb Au
<u>"Soil Samples"</u>					
F2E-13+00 N	17	129	29	.6	5
13+50	18	120	34	.7	5
14+00	13	88	31	.5	Nil
14+50	16	86	54	.5	Nil
15+00	16	74	30	.4	5
15+50	20	119	39	.4	Nil
16+00	14	65	56	.4	Nil
16+50	26	101	62	.4	Nil
17+00	17	131	85	.6	5
F5E-0 N	18	83	17	.4	Nil
0+50	18	73	31	.4	Nil
1+00	17	102	23	.7	Nil
1+50	13	110	23	.7	Nil
2+00	16	72	18	.3	Nil
2+50	19	113	23	.7	Nil
3+00	17	88	39	.4	Nil
3+50	15	83	40	.9	Nil
4+00	15	85	36	.3	Nil
4+50	17	96	23	.2	Nil
5+00	22	150	24	.2	Nil
5+50	13	71	13	.4	Nil
6+00	17	113	29	.5	Nil
6+50	16	137	21	.4	15
7+00	12	84	26	.4	10
7+50	15	110	51	.4	45
8+00	18	125	40	5.4	30
8+50	18	76	39	.5	40
9+00	16	-5	28	.6	25
9+50	43	220	36	.6	Nil

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

L.B. Goldsmith
 Assayer

To: ARCTEX ENGINEERING SERVICES.,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24863
 Date June 16, 1983
 Samples Soil
 Rayrick-Fred/Rita Project

ATTN: L.B. Goldsmith

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	ppm Pb	ppm Zn	ppm Ni	ppm Ag	ppb Au
F5E-10+00 N	19	86	34	.4	Nil
10+50	17	157	28	.5	Nil
11+00	16	89	22	.3	Nil
11+50	17	82	33	.5	Nil
12+00	16	104	34	.2	Nil
12+50	20	123	31	.2	Nil
13+00	16	66	26	.2	Nil
13+50	20	93	26	.5	5
14+00	15	129	23	.5	Nil
14+50	15	99	21	.4	Nil
15+00	15	82	30	.6	Nil
15+50	16	59	33	.2	Nil
16+00	16	64	33	.2	Nil
16+50	21	89	21	.9	Nil
17+00	18	99	36	.8	Nil
F2E-17+50	17	85	103	.6	Nil

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

L.B. Goldsmith
 Assayer

To: L.B. GOLDSMITH,
301, 1855 Balsam Street,
Vancouver, B.C. V6K 3M3



File No. 24887
Date June 21, 1983
Samples Rock
Fred/Rita Project
Red Diamond

Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 1

SAMPLE No.	%
<u>"Rock Samples"</u>	
<u>"Assays"</u>	
F-Rock-7+50N-1+00E	.17
F-Rock-13+00N-0+00W	.16
<p style="text-align: center;">I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>	

Rejects Retained one month.
Pulps Retained one month
unless specific arrangements
made in advance.

Assayer

To: L.B. GOLDSMITH,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24887
 Date June 21, 1983
 Samples Soil
 Fred/Rita Project
 Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 2

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Ag	ppb Au
"Soil Samples"						
"Geochems"						
F1E-14+50 N	50	22	77	68	1.1	5
15+00	50	20	80	45	1.0	10
15+50	69	22	63	99	.7	5
16+00	79	24	86	82	.8	Nil
16+50	52	20	79	140	.5	Nil
17+50	56	17	59	51	.9	Nil
F9E-0+00 N	60	25	66	36	1.1	Nil
0+50	49	23	75	42	.7	20
1+00	27	22	141	37	.7	Nil
1+50	33	22	152	40	.8	Nil
2+00	24	20	140	31	.6	Nil
2+50	31	19	70	28	.6	Nil
3+00	39	22	430	38	1.1	5
3+50	28	20	109	41	.7	5
4+00	25	22	151	37	.8	Nil
4+50	69	29	112	48	.9	Nil
5+00	47	21	118	43	1.0	Nil
5+50	24	21	168	45	.9	Nil
6+00	63	26	87	56	.5	15
6+50	86	33	143	60	.7	Nil
7+00	27	24	195	39	.8	Nil
7+50	54	22	100	48	.6	Nil
8+00	50	18	81	47	.6	5
8+50	60	20	74	53	.6	10
9+00	55	20	73	52	.8	50
9+50	50	22	125	53	.6	5
10+00	26	24	100	47	.7	Nil

I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

Assayer

To: L.B. GOLDSMITH,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24887
 Date June 21, 1983
 Samples Soil
 Fred/Rita Project
 Red Diamond

Certificate of
 ASSAY of

LORING LABORATORIES LTD.

Page # 3

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Ag	ppb Au
<u>"Geochems"</u>						
F9E-10+50 N	30	24	116	46	.7	Nil
11+00	76	24	114	52	.5	600
11+50	76	31	128	39	.4	5
12+00	28	26	150	37	.6	80
12+50	23	23	83	41	.5	5
13+00	30	23	91	40	.6	5
13+50	36	26	75	47	.5	15
14+00	22	25	98	36	.5	5
14+50	21	23	91	32	.6	5
15+00	21	25	94	31	.5	40
15+50	46	26	73	50	.6	Nil
16+00	73	58	148	32	1.2	30
16+50	55	26	95	54	1.0	Nil
17+00	28	22	82	50	.9	Nil

I **Hereby Certify** THAT THE ABOVE RESULTS ARE THOSE
 ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES

Rejects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.

Richard D. ...

Assayer

To: L.B. GOLDSMITH,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24887
 Date June 21, 1983
 Samples Stream Sediment
 Fred/Rita Project
 Red Diamond

Certificate of
 ASSAY of
 LORING LABORATORIES LTD.

Page # 4

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Ag	ppb Au
"Stream Sediment"						
"Geochems"						
FSS-3+90N-3+00W	69	28	95	181	1.0	5
5+18N-3+00W	85	29	79	116	1.0	5
5+48N-0+00W	86	30	103	210	1.1	5
7+40N-0+00W	105	37	131	107	1.0	20
17+00N-1+00E	109	19	62	65	1.0	10
17+00N-1+50E	117	33	78	64	1.0	5
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES . . .</p>						

Rejects Retained one month.
 Pulp Retained one month
 unless specific arrangements
 made in advance.

Assayer

To: L.B. GOLDSMITH,
 301, 1855 Balsam Street,
 Vancouver, B.C. V6K 3M3



File No. 24887
 Date June 21, 1983
 Samples Rock
 Fred/Rita Project
 Red Diamond

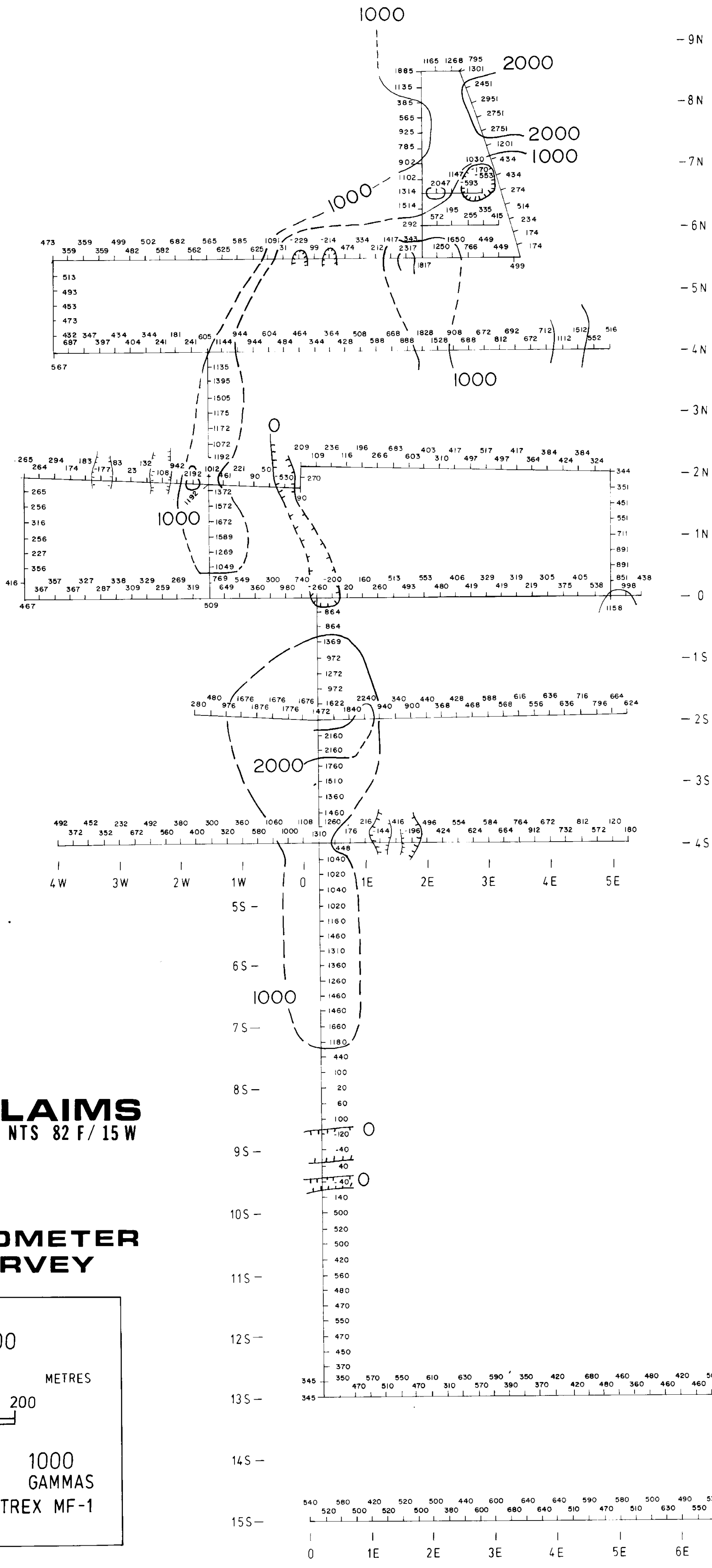
Certificate of
ASSAY of
LORING LABORATORIES LTD.

Page # 5

SAMPLE No.	ppm Cu	ppm Pb	ppm Zn	ppm Ni	ppm Ag	ppb Au
<u>"Rock Samples"</u>						
<u>"Geochems"</u>						
F-Rock-6+50N-0+00W	5	12	116	15	1.8	Nil
7+50N-1+00E	6	17	14	1000+	1.1	20
13+00N-0+00W	7	16	23	1000+	.9	Nil
<p>I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES</p>						

Rejects Retained one month.
 Pulps Retained one month
 unless specific arrangements
 made in advance.

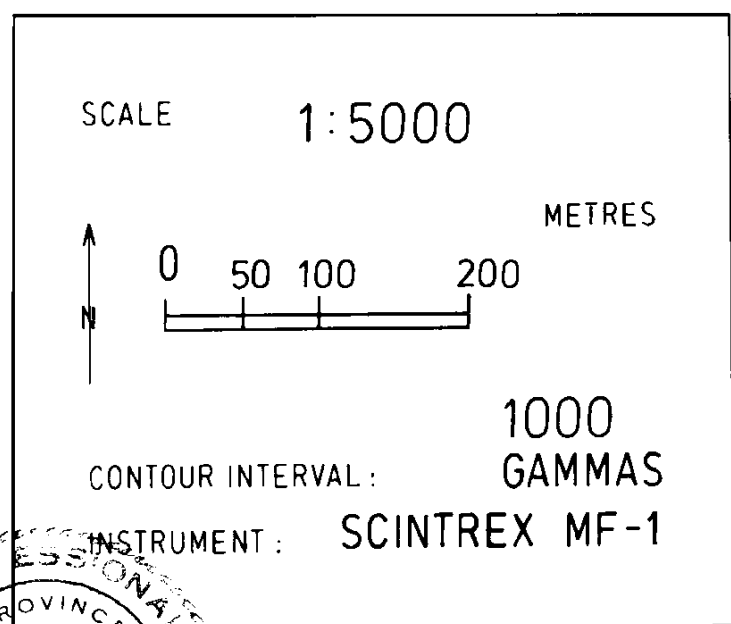
[Signature]
 Assayer



**RED DIAMOND
MINES LTD.**

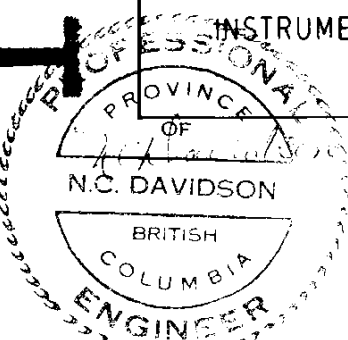
FRED & RITA CLAIMS
SEVEN MILE CREEK, B.C. SLOCAN M.D. NTS 82 F/ 15 W

**MAGNETOMETER
SURVEY**



GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,415



TO ACCOMPANY REPORT BY

P. KALLOCK

GEOLOGIST

N.C. DAVIDSON, P. Eng.,

CONSULTING ENGINEER

EXPIRY DATE JULY 15, 1984

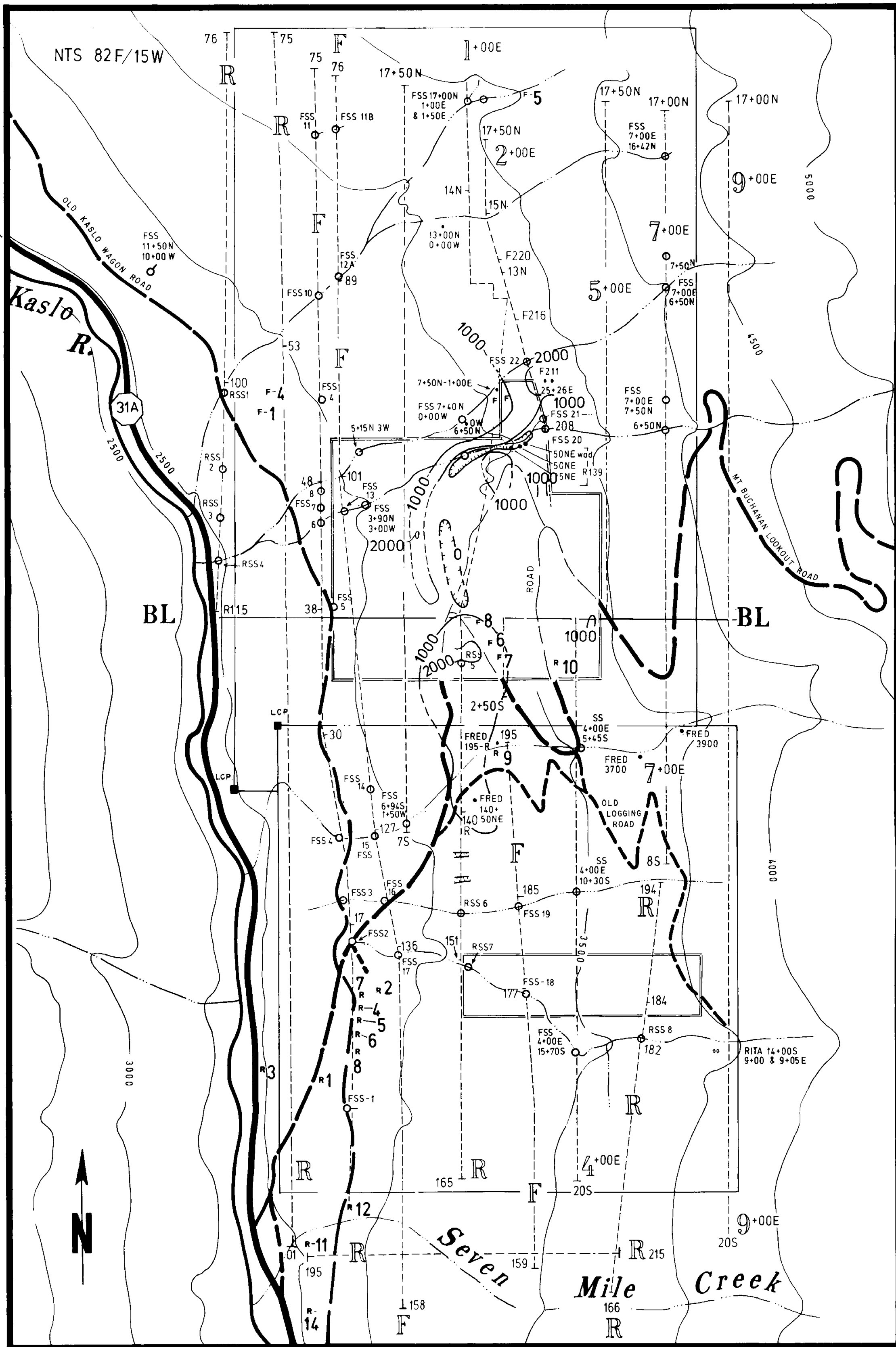
L.B. GOLDSMITH, P. Eng.,

CONSULTING GEOLOGIST

JUNE 1983

ARCTEX ENGINEERING SERVICES

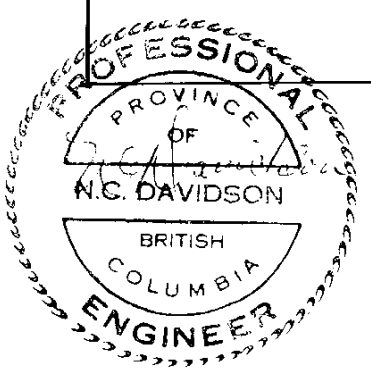
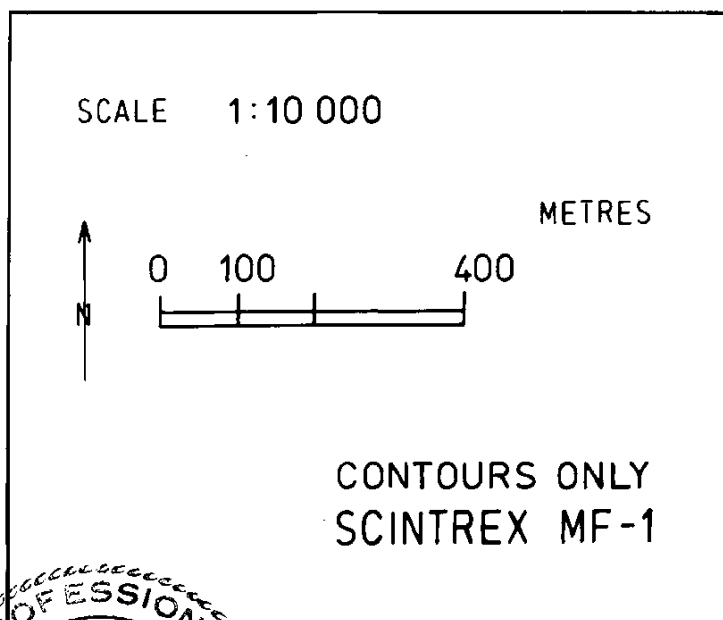
Kaslo area, B.C.



**RED DIAMOND
MINES LTD.**

FRED & RITA CLAIMS
SEVEN MILE CREEK, B.C. SLOCAN M.D. NTS 82 F/15 W

MAGNETOMETER SURVEY



TO ACCOMPANY REPORT BY

P. KALLOCK
GEOLOGIST

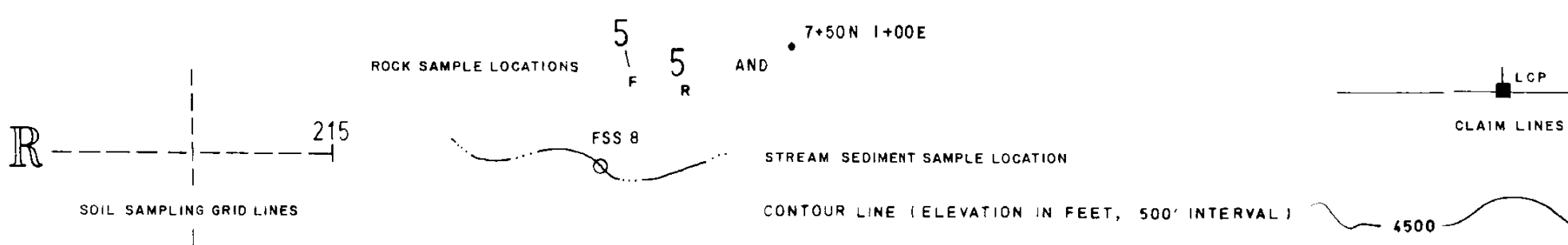
N.C. DAVIDSON, P. Eng.,
CONSULTING ENGINEER

L.B. GOLDSMITH, P. Eng.,
CONSULTING GEOLOGIST

JUNE 1983

ARCTEX ENGINEERING SERVICES

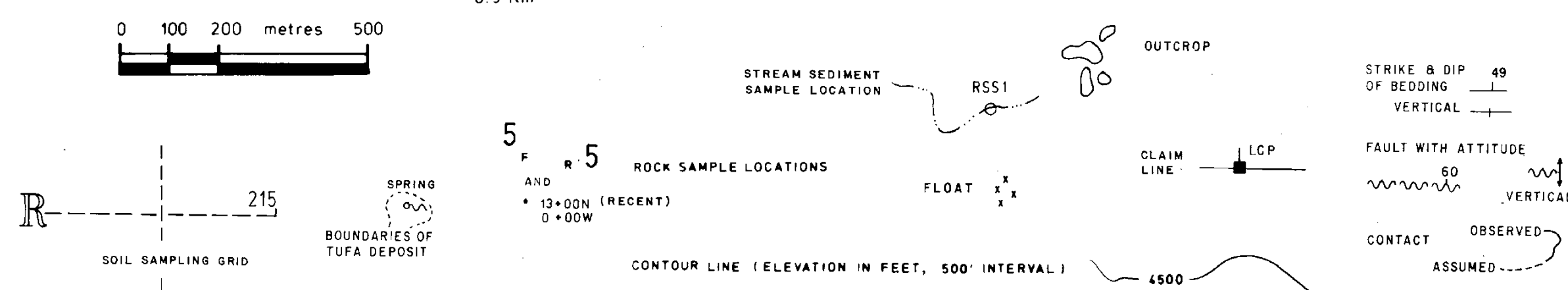
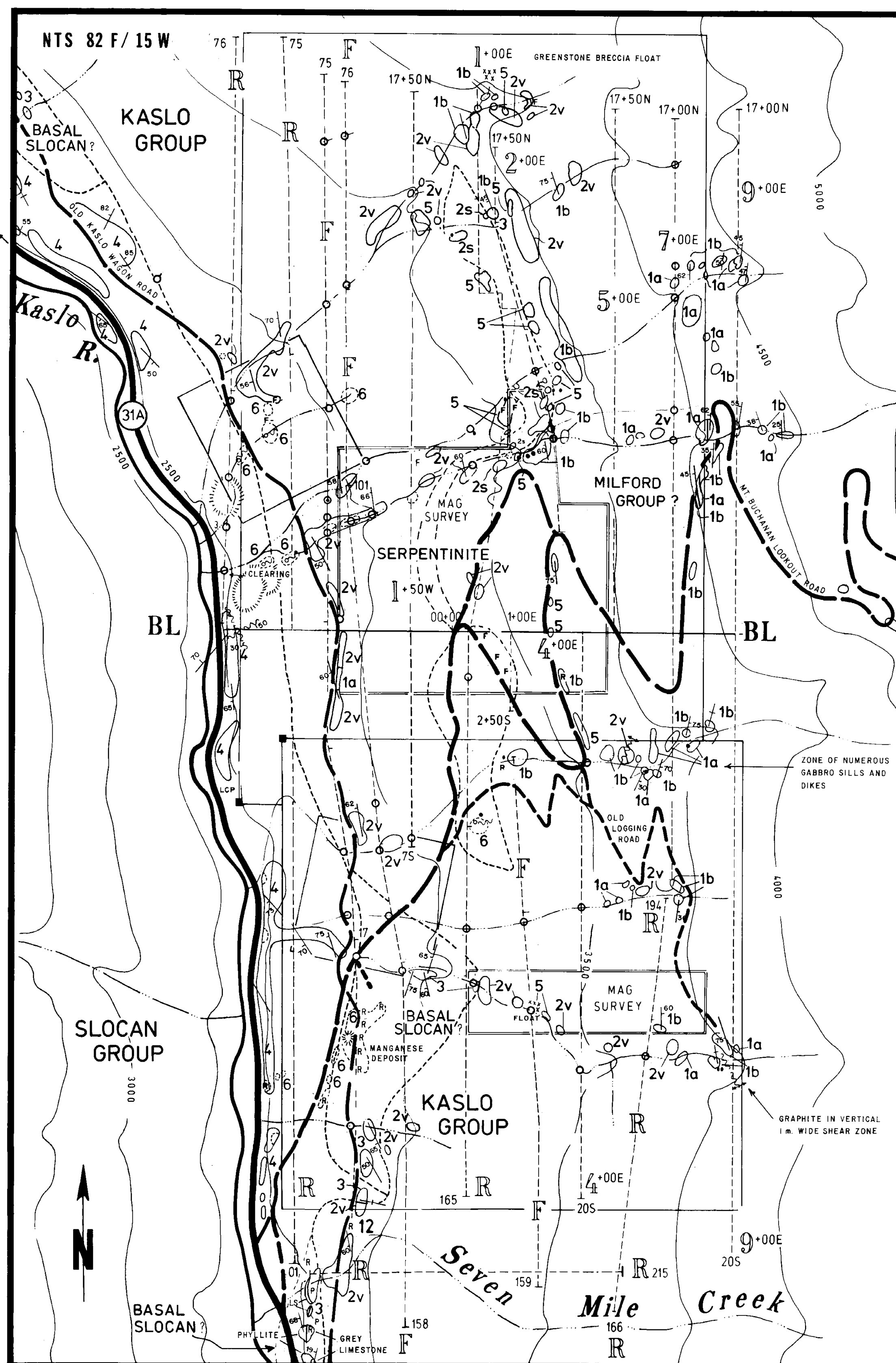
MAGNETOMETER CONTOUR INTERVAL 1000 GAMMAS



SLOCAN MINING DIVISION

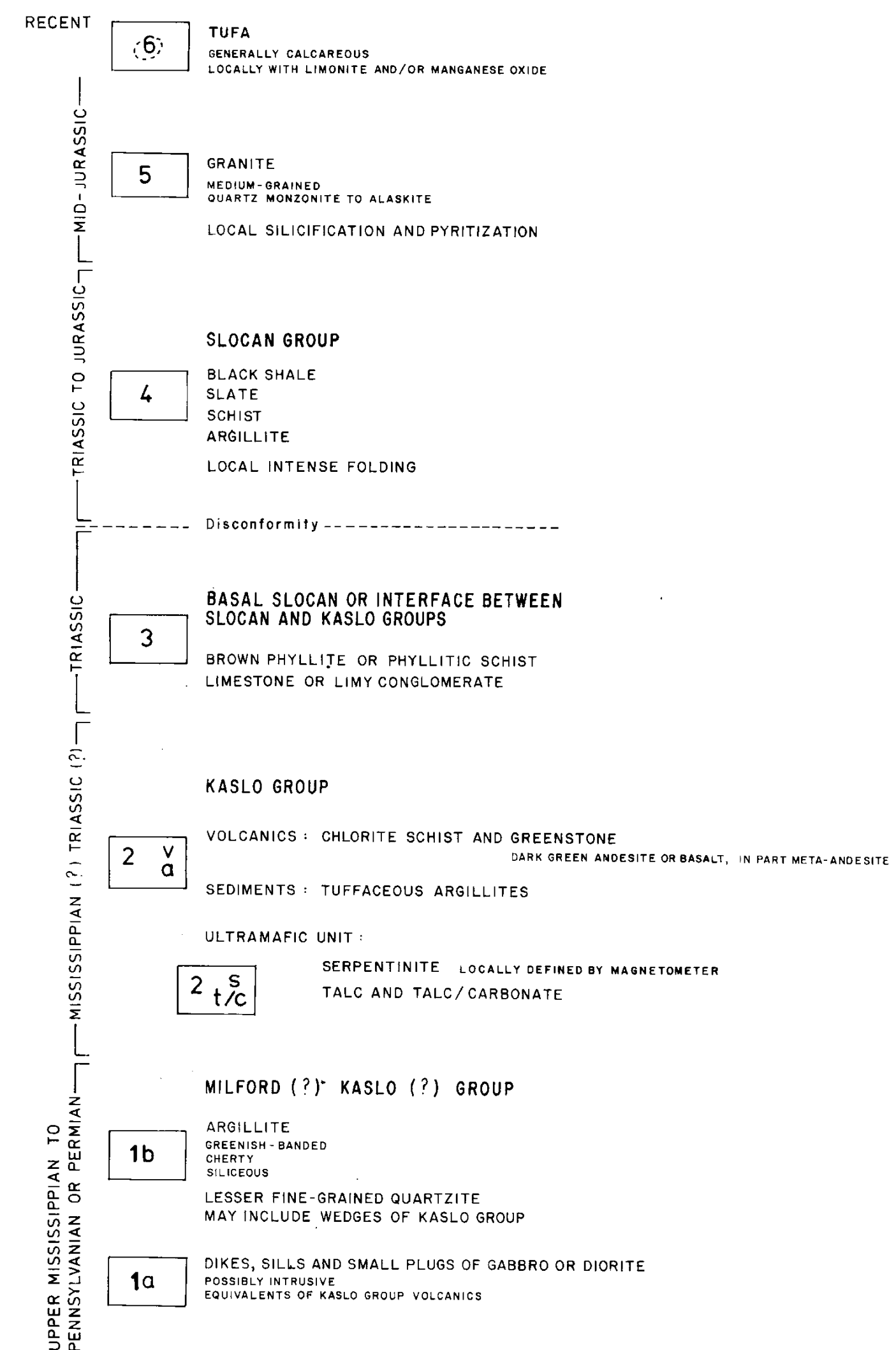
**GEOLOGICAL BRANCH
ASSESSMENT REPORT
11,415**

Kaslo area, B.C.



SLOCAN MINING DIVISION

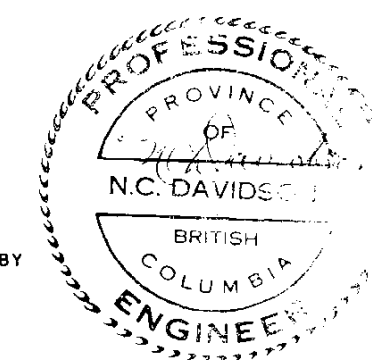
STRATIGRAPHY



**RED DIAMOND
MINES LTD.**

FRED & RITA CLAIMS
SEVEN MILE CREEK, B.C. SLOCAN M.D. NTS 82 F/15 W

GEOLOGY



TO ACCOMPANY REPORT BY
P. KALLOCK
GEOLOGIST

N.C. DAVIDSON, P. Eng.,
CONSULTING ENGINEER

EXPIRY DATE JULY 15, 1984

L.B. GOLDSMITH, P. Eng.,
CONSULTING GEOLOGIST

JUNE 1983

ARCTEX ENGINEERING SERVICES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,415

Kaslo area, B.C.

STREAM SEDIMENT SAMPLE NUMBER	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Au PPB	
FSS - 1	64	12	57	1.0	5	
3	62	20	87	4.9	nil	
4	77	20	76	24.4	5	
5	102	24	91	+30.0	nil	ASSAYED: 1.96 oz. ton Ag
6	102	20	70	1.4	nil	
7	151	38	129	2.1	5	
8	72	24	92	1.1	5	
9	51	19	64	+30.0	5	ASSAYED: 0.93 oz./ton Ag
10	75	30	69	1.0	nil	
11	65	19	60	21.6	5	
11B	67	22	64	1.0	10	
12A	119	27	63	29.0	5	
12B	69	21	68	29.8	nil	
13	125	24	72	1.9	nil	
14	74	29	102	17.0	nil	
15	86	23	62	1.9	10	
16	76	22	78	5.0	5	
17	100	27	86	2.2	5	
18	84	22	92	+30.0	15	ASSAYED: 1.38 oz./ton Ag
19	113	27	123	2.1	5	
20	133	26	84	+30.0	5	ASSAYED: 1.18 oz./ton Ag
21	97	25	97	1.4	5	
22	119	47	89	2.6	10	
	118	22	37	+30.0	nil	ASSAYED: 1.11 oz./ton Ag
RSS - 1	48	28	71	1.3	115	
2	20	39	53	1.7	nil	
3	27	78	17	1.7	5	
4	21	26	94	1.4	5	
5	42	24	77	1.7	5	
6	63	56	113	1.9	90	
7	74	25	80	8.0	35	
8	92	37	79	1.9	105	
SR - 7	117	31	97	2.3	5	
11	51	15	67	1.2	nil	
SR17+18	60	28	92	21.9	5	
19+20	53	21	71	1.2	nil	
23+24	69	20	77	1.6	nil	

STREAM SEDIMENT SAMPLE NUMBER	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Ag PPM	Au PPB
FSS- 3+90N-3+00W	69	28	95	181	1.0	5
5+18N-3+00W	85	29	79	116	1.0	5
5+48N-0+00W	86	30	103	210	1.1	5
7+40N-0+00W	105	37	131	107	1.0	20
17+00N-1+00E	109	19	62	65	1.0	10
17+00N-1+50E	117	33	78	64	1.0	5
FSS- 7+00E-6+50N	75	24	104	43	0.2	nil
-7+50N	69	26	102	40	0.3	nil
-16+42N	74	25	107	60	0.3	10

ROCK SAMPLE NUMBER	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Ag PPM	Cr PPM	Mn PPM	Au PPB	As PPM	Sb PPM
Rita-1	x	x	x	x	1.5	x	x	10	x	127
Rita-2	x	x	x	x	1.4	x	x	5	x	21
Rita-3	x	x	x	x	1.5	x	x	5	x	123
Rita-4	x	x	x	x	1.6	x	+1000	10	x	x
Rita-5	x	x	x	x	1.6	x	+1000	15	x	x
Rita-6	x	x	x	x	1.6	x	+1000	nil	x	x
Rita-7	x	x	x	x	1.4	x	+1000	15	x	x
Rita-8	x	x	x	x	1.7	x	+1000	10	x	x
Rita-9	x	x	x	x	2.0	x	x	5	nil	112
Rita-10	78	17	40	x	1.9	x	x	10	x	x
Rita-11	4	23	20	x	1.6	x	x	5	x	x
Rita-12	35	22	57	x	1.8	x	x	nil	x	x
Rita-13	x	x	x	x	1.7	x	x	10	3	68
Rita-14	30	26	43	x	1.9	x	x	5	x	x

Fred-1	x	x	x	x	1.8	x	x	5	13	x
Fred-2	x	x	x	x	19.0	x	x	195	x	x
Fred-3	x	x	x	x	1.2	x	x	5	x	x
Fred-4	x	x	x	x	1.6	x	x	5	x	15
Fred-5	x	x	x	x	1.9	x	x	nil	x	x
Fred-6	15	x	x	+1000	1.9	520	x	nil	x	xx
Fred-7	8	x	x	+1000	1.8	x	x	nil	x	xx
Fred-8	11	x	x	+1000	1.6	x	x	5	x	x

F211+25E	x	9	13	9	0.8	x	x	nil	x	x
F211+26E	x	15	19	12	0.3	x	x	5	x	x
Fred-3700	x	11	184	98	0.6	x	x	nil	x	x
Fred-3900	x	27	36	15	0.1	x	x	40	x	x
R139+25NE	x	66	126	770	0.5	x	x	5	x	x
R139	x	17	58	86	0.1	x	x	nil	x	x
R139+50-WAD	x	21	67	380	0.5	x	x	nil	x	x
F140+50NE	x	30	30	340	0.5	x	x	5	x	x
Fred-195R	x	17	72	216	0.1	x	x	5	x	x

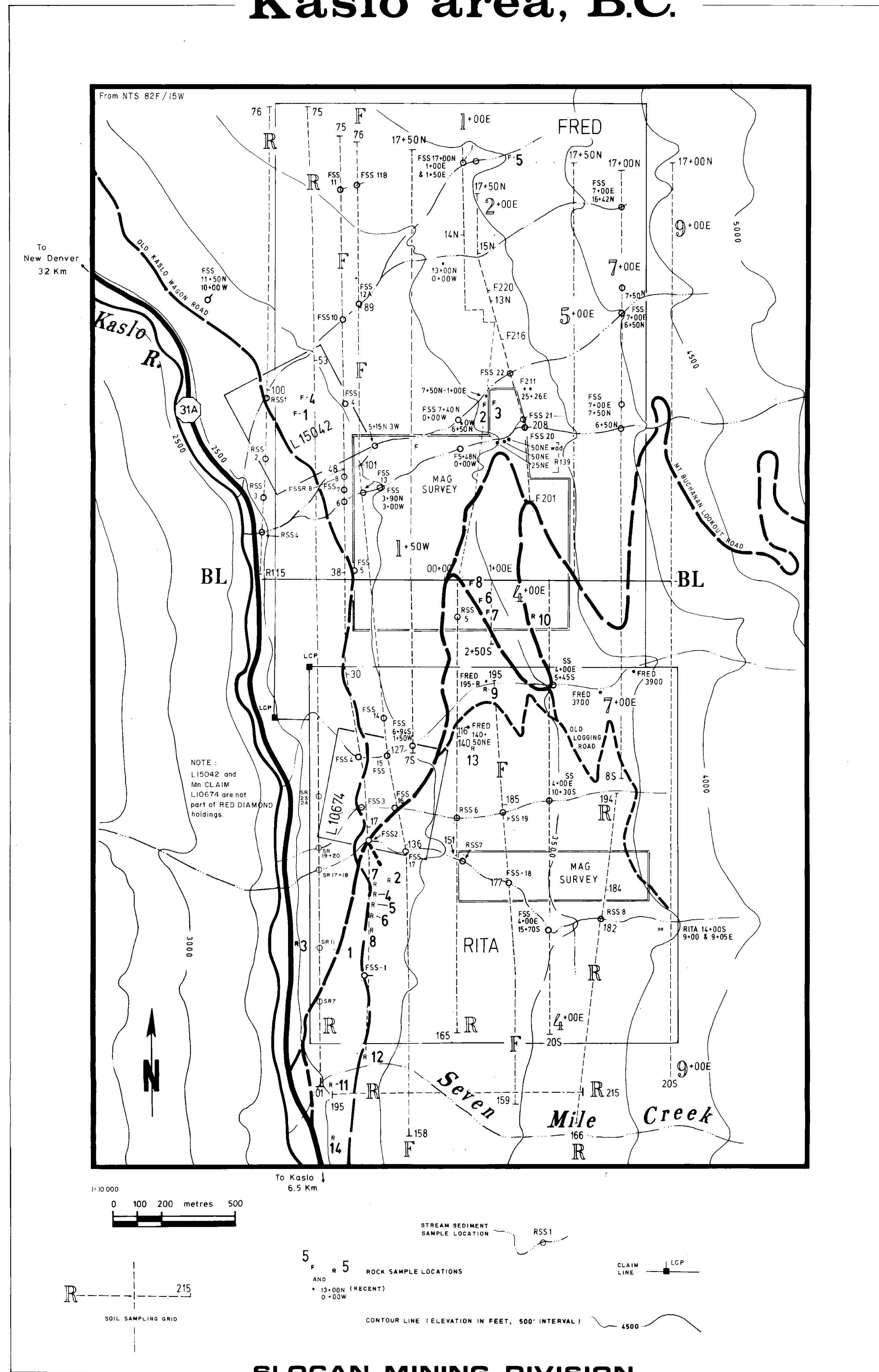
FSSR-8	x	+1000	209	x	10.0	x	x	10	x	x
--------	---	-------	-----	---	------	---	---	----	---	---

ROCK SAMPLE NUMBER	Cu PPM	Pb PPM	Zn PPM	Ni PPM	Ag PPM	Au PPB
F- 6+50N-0+00	5	12	116	15	1.8	nil
7+50N-1+00E	6	17	14	+1000	1.1	20
F-13+00N-0+00W	7	16	23	+1000	0.9	nil

F- 7+50N-1+00E	ASSAYED: 0.17% Ni
F-13+00N-0+00W	ASSAYED: 0.16% Ni

Rita 14+00S-9+00E	17	13	220	20	0.2	5
9+50E	73	23	115	220	0.4	5

ROCK	Fred-6	0.14% Ni	Rita-4	34.80% Mn
ASSAYED:	Fred-7	0.17% Ni	Rita-5	32.80% Mn
	Fred-8	0.17% Ni	Rita-6	3.75% Mn
			Rita-7	32.00% Mn
	FSSR-8	0.36% Pb	Rita-8	33.20% Mn



RED DIAMOND MINES LTD.

A

FRED & RITA CLAIMS
SEVEN MILE CREEK, B.C. SLOCAN M.D. NTS 82 F/ 15 W

GEOCHEMICAL SAMPLE LOCATIONS

Geochemistry Assay Results

INTERIM ROCK AND STREAM SAMPLING RESULTS.
SOILS ON SHEET B.

TO ACCOMPANY REPORT BY

P. KALLOCK
GEOLOGIST

N.C. DAVIDSON, P. Eng.,
CONSULTING ENGINEER

EXPIRY DATE JULY 15, 1984

L.B. GOLDSMITH, P. Eng.,
CONSULTING GEOLOGIST

ARCTEX ENGINEERING SERVICES
GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,415

