

# Preliminary Evaluation Report on the

PROSPECTUS  
Dec. 3, 1987.

## CODY RIDGE PROPERTY · YUKON

MAP SHEET 105 K 6 · 62°22' N.LAT. 133°05' W.LONG.

062283



### for Doron Exploration Inc.

SUITE 1500 · 609 GRANVILLE STREET · VANCOUVER · B.C.  
P.O. BOX 10362 · STOCK EXCHANGE TOWER · V7Y 1G5

BY G. DAVIDSON, P.Geol.  
& J.E. WALLIS, P. Eng. · MARCH 1987

**PRELIMINARY EVALUATION REPORT**

**CODY RIDGE PROPERTY**

**FARO AREA, WHITEHORSE MINING DISTRICT**

**NTS 105 K/6**

**LATITUDE 62° 22' N / LONGITUDE 133° 5' W**

**FOR**

**DORON EXPLORATION INC.**

**BY**

**G.S. DAVIDSON, P. GEOL.**

**J.E. WALLIS, P. ENG.**

**March , 1987**

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## CONCLUSIONS

Gneissic rocks of Cambrian or older age contain mineralized alteration zones on the Cody Ridge property. Reconnaissance level exploration in 1986 located three areas of sulphide bearing quartz-chalcedony and quartz-carbonate veining within fractured and manganese stained ortho-gneiss. Select samples of mineralized vein material assayed up to .22 opt. gold and 358 opt. silver.

The preliminary property work has identified epithermal type veining. A two phase exploration program is recommended to evaluate the mineral occurrences. Phase I would include geological mapping, geophysical surveys and blast trenching of the quartz-chalcedony and quartz-carbonate vein systems. Phase II would consist of diamond drilling and trenching. Total expenditures for the 1987 program are estimated at \$125,000.

## INTRODUCTION

Doron Exploration Incorporated holds 40 mineral claims (Cody Ridge property) in the Faro district of the central Yukon. The claims cover gold and silver bearing quartz and carbonate veins occurring in alteration zones in close association with Eocene dykes. The property was initially examined by the writer during early August of 1986.

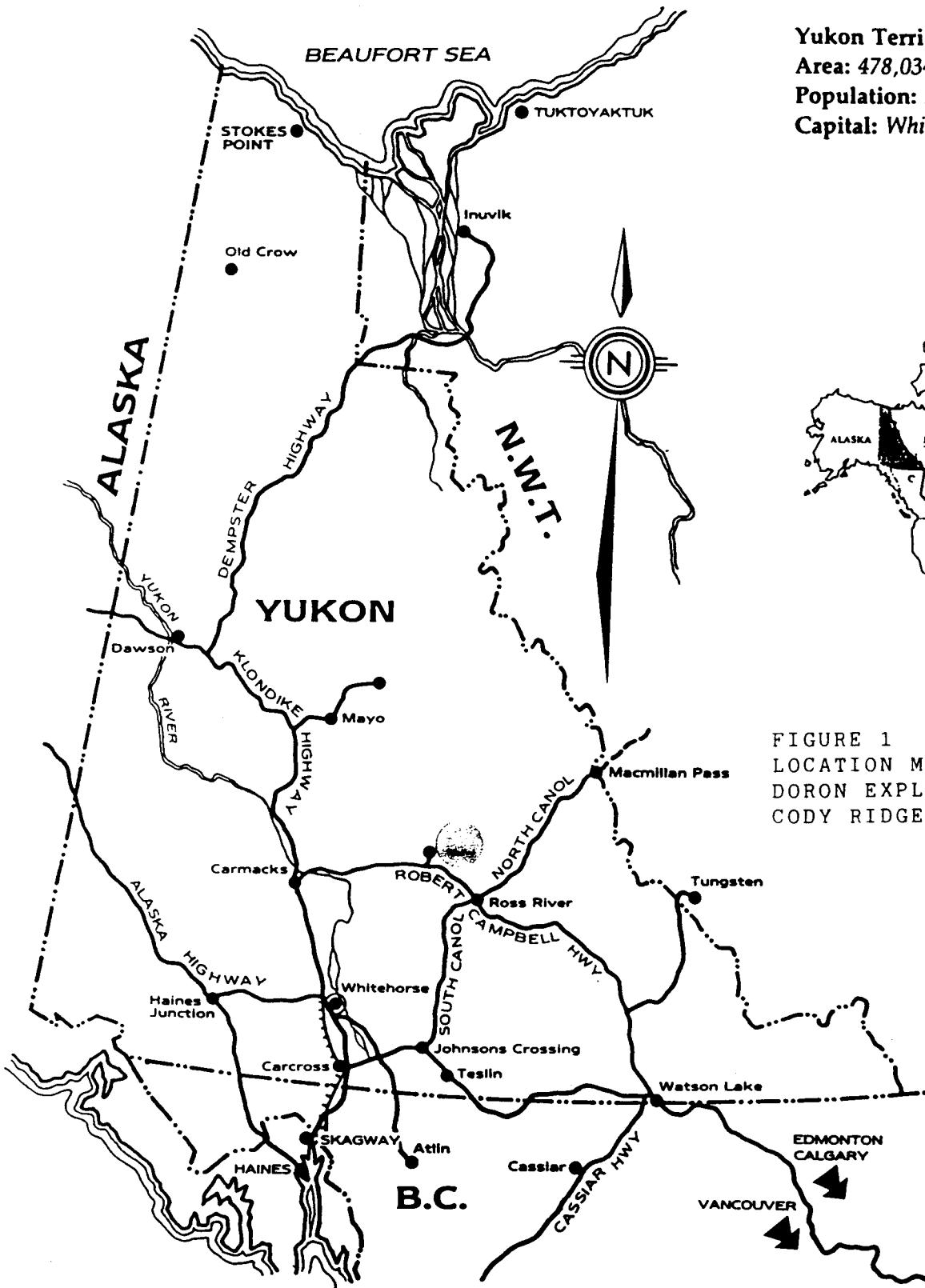
This report, prepared at the request of T. Yardley of Doron Exploration Inc., reviews a preliminary exploration program completed in 1986 by the property owner, and recommends a two phase program to further investigate the mineralized zones.

## LOCATION AND ACCESS

The Cody Ridge property is located about 215 km northeast of Whitehorse, Yukon and 17 km east of the Faro lead-zinc mine on the north side of Mt. Mye on N.T.S. Map Sheet 105 K/6. Approximate geographical co-ordinates are 62° 22' north latitude and 133° 05' west longitude. The property location is shown in Figure 1.

Access to the claims is presently by helicopter from the town of Ross River. The main road to the Faro mine site is 12 km west of the property and a 4 x 4 branch road could be constructed onto the property.

The town of Ross river 50 km southeast of the property has a regional airport providing flights to Whitehorse. Ross River also has helicopter charter and camp supply services.



**Yukon Territory**  
 Area: 478,034 sq. km.  
 Population: 25,000  
 Capital: Whitehorse



FIGURE 1  
 LOCATION MAP  
 DORON EXPLORATION INC.,  
 CODY RIDGE PROPERTY

## PHYSIOGRAPHY, CLIMATE, VEGETATION

The Cody Ridge property covers a heavily glaciated alpine area north of Mt. Mye in the Anvil Mountain Range. Two northerly trending steep sided ridges reaching elevation of 2,030 m (6,500') are separated by a U shaped valley. The valley floor is almost completely covered by glacial outwash and till, and lies at 1,300 m (4,200'). The glacial cover appears to be thin ( < 3 m); abundant outcrop is present elsewhere on the property.

Sparse spruce forest is restricted to the lower part of the valley. Ridge tops are barren and devoid of vegetation.

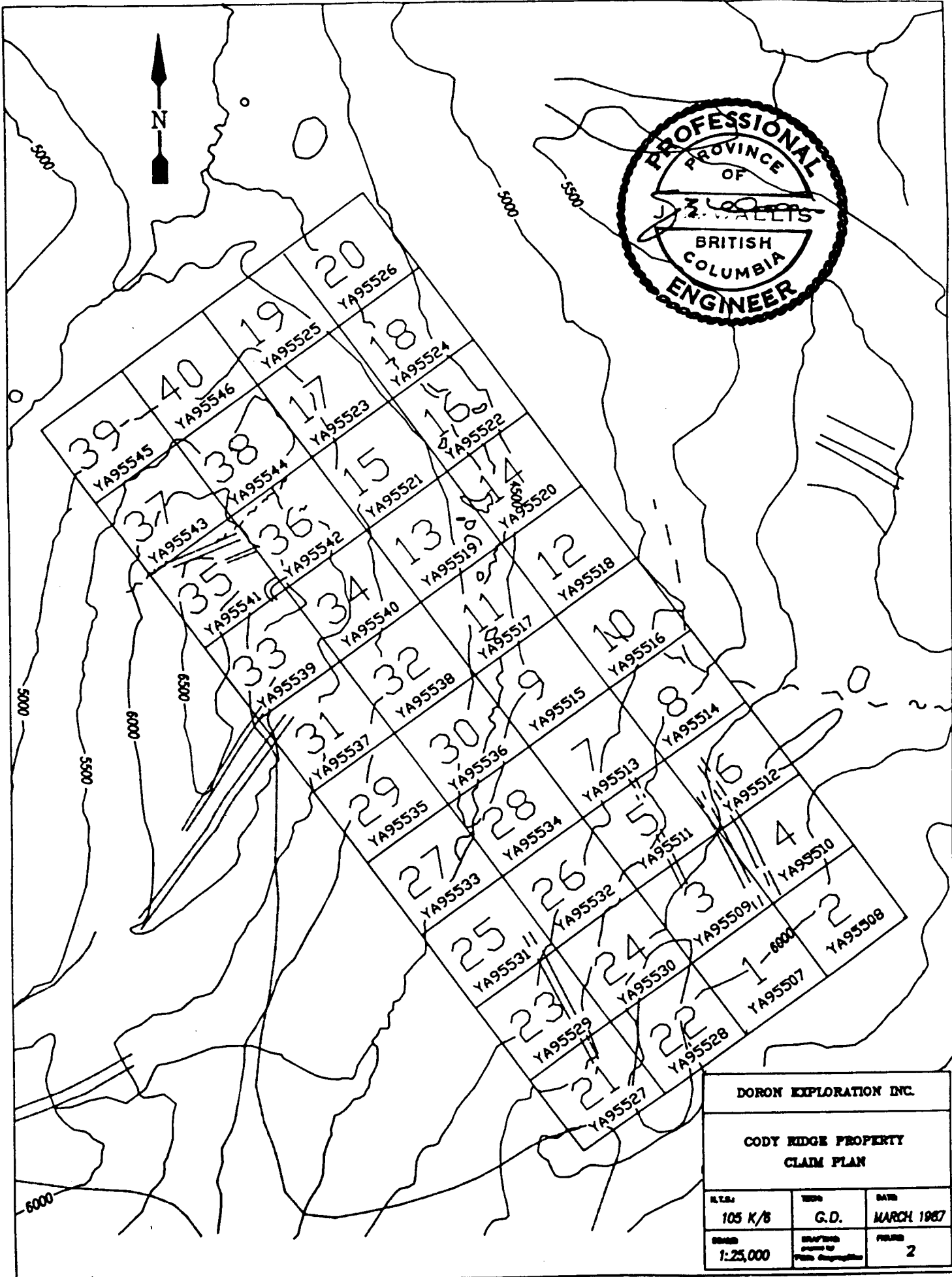
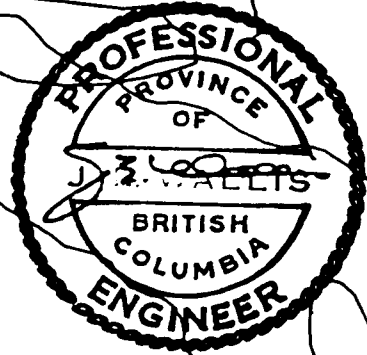
Climatic conditions in the Anvil Range are fairly severe with long cold winters (-20° C to -45° C) and moderate snow cover (1-2 m). Summer temperatures are typically 15 - 20° C. The exploration season in the Faro area starts in May and ends in October.

## PROPERTY

The Cody Ridge property consists of 40 mineral claims recorded in the office of the Whitehorse Mining Recorder. Figure 2 shows the claim plan and property data is listed in Table 1.

**TABLE 1**  
**Property Composition**

<u>Claim Name</u>	<u>Grant Number</u>	<u>Recording Date</u>	<u>Expiry Date</u>
Cody 1-40	YA95507 to YA95546	1st August, 1986	1st August, 1987



DORON EXPLORATION INC.		
CODY RIDGE PROPERTY CLAIM PLAN		
N.T.S.	TYPE	DATE
105 K/B	G.D.	MARCH 1987
SCALE	DRAWING prepared by	PAGES
1:25,000	John Wallts	2



The Cody 1-40 claims were staked on July 18, 1986 by B. Harris of Whitehorse, Yukon.

Doron Exploration Inc. holds the property under terms of an option agreement with the owner (T. Peever) whereby Doron can earn a 100% interest over three years. T. Peever will retain a 3% net smelter return.

## **REGIONAL GEOLOGY**

The Cody Ridge property is located in the Tay River Map Sheet (105 K) area, mapped by the Geological Survey of Canada initially in 1961 and more recently in 1972 (Map 1261 A). The district is underlain by Cambrian or older metasedimentary rocks overlying biotite schist, calc-silicate rocks, gneiss and orthogneiss of PreCambrian age. Cretaceous quartz monzonite bodies intrude the metamorphic rocks mainly around Mt. Mye. Eocene volcanic dykes cut both granitic and metasedimentary rocks in the area.

The main structural feature in the district is the northwest-southeast trending Tintina trench located approximately 20 km south of the property. Many smaller parallel and orthogonal faults and foliations have been imparted on rocks around the trench.

## **EXPLORATION HISTORY**

No published exploration reports on the Mt. Mye area are currently available. The region was extensively staked in the 1960's after the Anvil Range base metal occurrences were discovered. The Faro #1, Vangorda and Swim lead-zinc deposits were outlined by Cyprus Anvil Mines Ltd. Presently Curragh Resources Ltd. is producing Pb-Zn concentrate from the Faro #2 ore body.

## **PROPERTY GEOLOGY**

The property geology is shown in Figure 3 and rock types are described below:

### **A. Meta-Sedimentary Rocks**

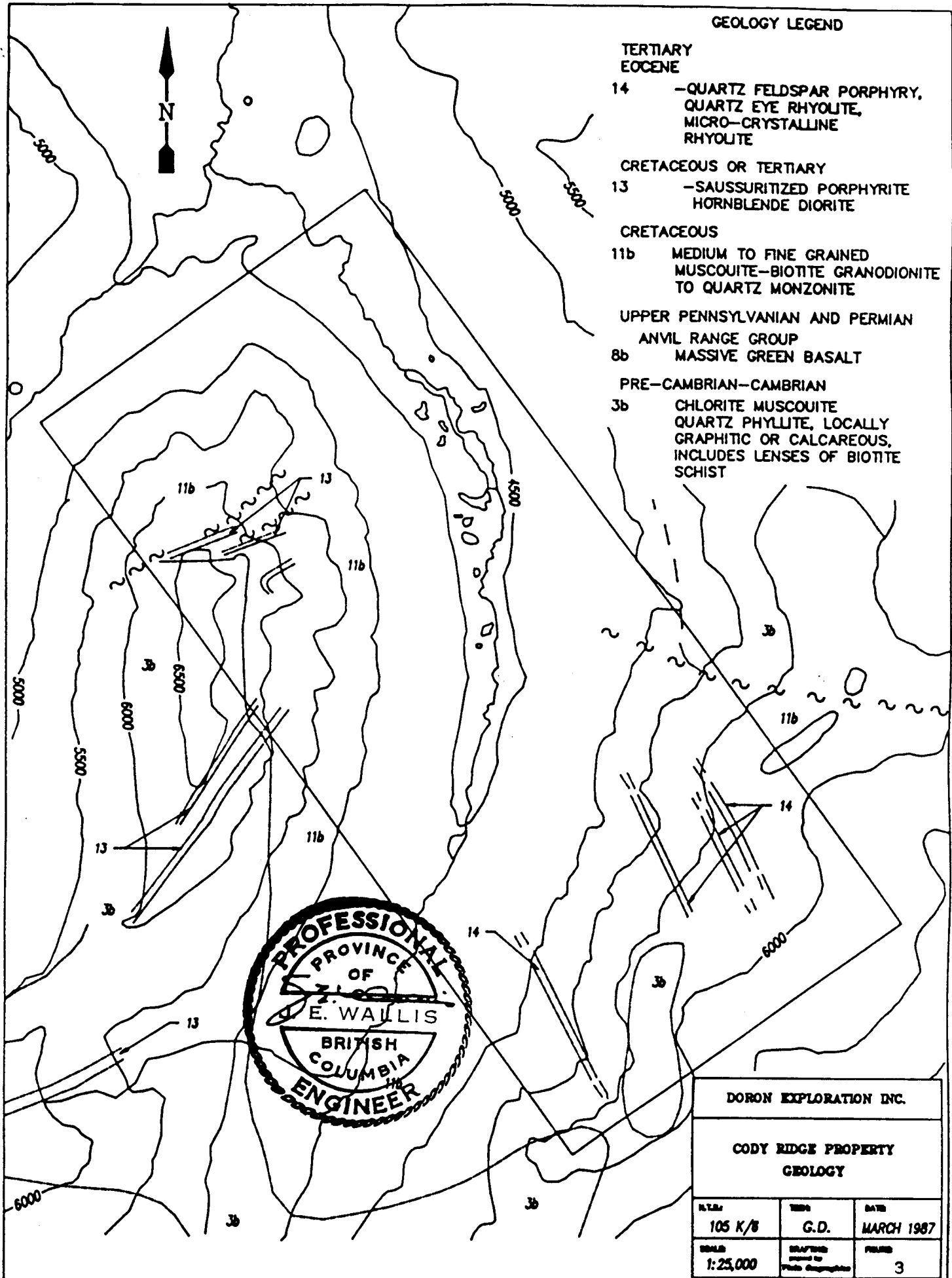
Meta-sedimentary rocks on the property have been metamorphosed to sillimanite grade. Sillimanite occurs as coarse grained bundles of parallel fibres within quartz rich segregations in biotite schist. Calc-silicate rocks contain the assemblage diopside-grossular-calcite-pyrrhotite. The meta-sedimentary package is intimately interlayered with gneissic rocks of presumed igneous origin. Textures within the meta-sediments show features which indicate a history of contemporaneous regional metamorphism and fabric development.

### **B. Meta-Igneous Rocks**

Gneissic rocks on the property are generally equigranular and have a foliation, outlined by biotite, which is parallel to the dominant fabric within the meta-sediments. It is these rocks which host the mineralization on the Cody Claims. Most of the property is underlain by an ortho-gneiss of batholithic proportion which has been variably fractured and hydrothermally altered. Alteration zones are either stained black or yellowish-green on outcrop. Black alteration is a result of manganese staining and yellowish alteration is a result of the weathering of tennantite and arsenopyrite. Alteration within the ortho-gneiss is sericitic.

### **C. Eocene Volcanic Rocks**

Saussuritized hornblende diorite quartz eye rhyolite and micro-crystalline rhyolite dykes cut metasedimentary and granitic rocks. Mineralized alteration zones occur in close proximity to these dykes.



**GEOLOGY LEGEND**

**TERTIARY  
EOCENE**

14 -QUARTZ FELDSPAR PORPHYRY,  
QUARTZ EYE RHYOLITE,  
MICRO-CRYSTALLINE  
RHYOLITE

**CRETACEOUS OR TERTIARY**

13 -SAUSSURITIZED PORPHYRITE  
HORNBLENDE DIORITE

**CRETACEOUS**

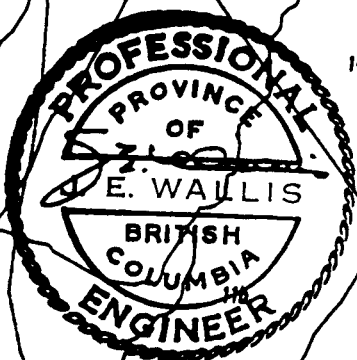
11b MEDIUM TO FINE GRAINED  
MUSCOUITE-BIOTITE GRANODIONITE  
TO QUARTZ MONZONITE

**UPPER PENNSYLVANIAN AND PERMIAN  
ANVIL RANGE GROUP**

8b MASSIVE GREEN BASALT

**PRE-CAMBRIAN-CAMBRIAN**

3b CHLORITE MUSCOUITE  
QUARTZ PHYLLITE, LOCALLY  
GRAPHITIC OR CALCAREOUS,  
INCLUDES LENSES OF BIOTITE  
SCHIST



DORON EXPLORATION INC.		
CODY RIDGE PROPERTY GEOLOGY		
N.T.S.	TYPE	DATE
105 K/B	G.D.	MARCH 1987
SCALE	DRAFTED	FILED
1:25,000	Drawn by Peter Gregoire	3

#### D. Mineralization

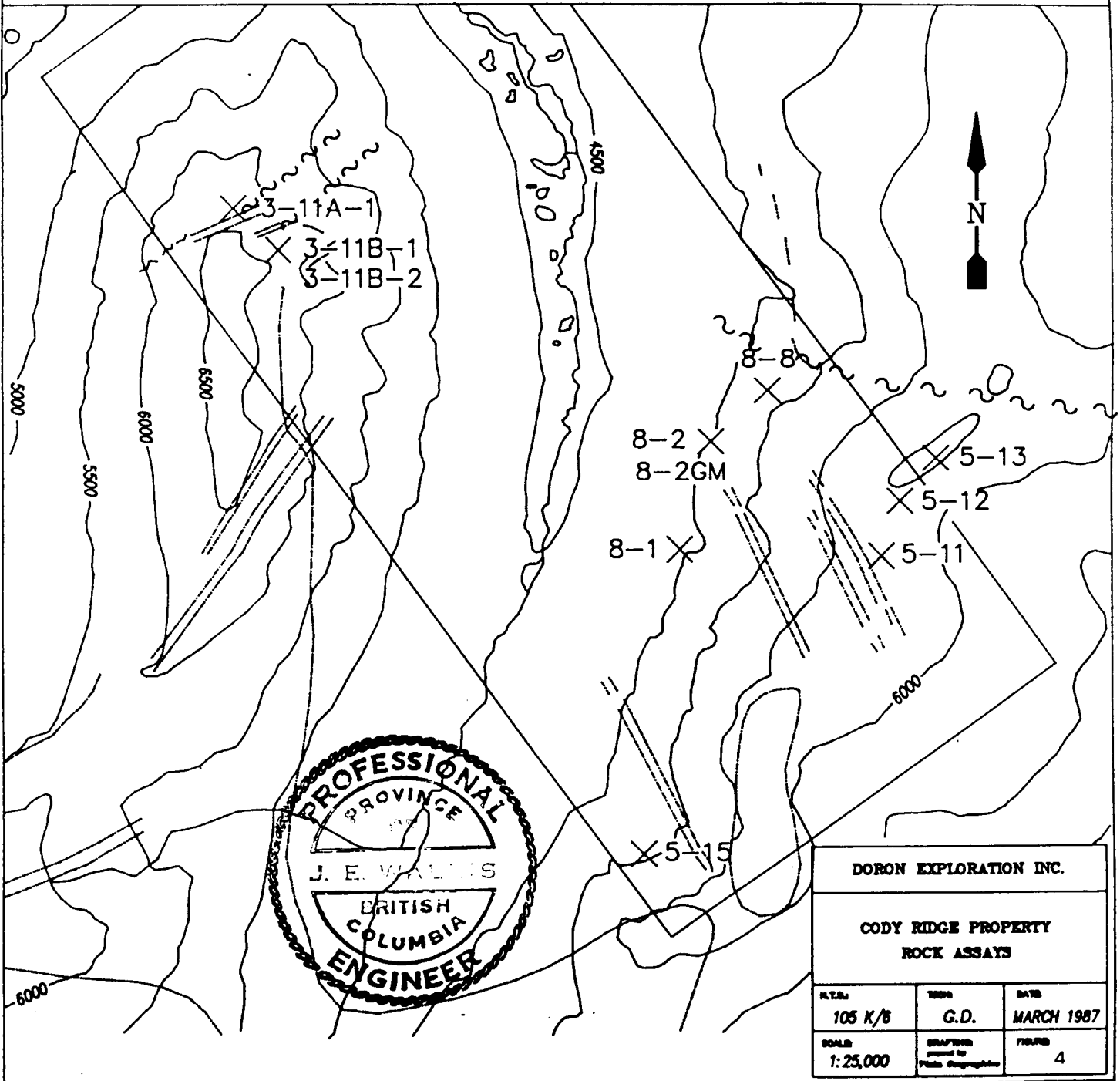
Variably mineralized alteration zones occur within a broad belt that strikes 150 degrees and parallels the Tintina Trench, the strike of the rhyolite dykes and the trend of the main lineation in the meta-sediments. Mineralized veins show a number of different habits which seem to vary systematically along strike. Samples were collected by T. Peever, the property vendor and verified by the writer. All samples were fire assayed by SGS Supervisor Services Inc. of Vancouver, B.C. utilizing a standard  $\frac{1}{2}$  assay ton sample weight. The certificate is appended as Appendix A. Figure 4 shows locations, values and description of rock samples collected in 1986.

Quartz-carbonate veining (sample #3-11A-1, 3-11B-1, 3-11B-2) occurs within manganese stained ortho-gneiss and is spatially associated with both types of Eocene dyking. Sample #3-11B-1 of manganese coated siderite vein material assayed 358 opt. silver and 0.13 opt. gold. Sulphide minerals identified in this alteration zone include sphalerite, galena, proussite-pyargarite and native silver.

Massive sulphide bodies and veins (sample #8-2 GM, 8-8) occur in a fractured and altered ortho-gneiss in an avalanche gully at the bottom of the valley. Galena with less tennantite and pyrite forms massive lenticular lenses up to 30 cm wide. Assays in silver are up to 16 opt. and up to 49% lead.

Quartz-chalcedony veining (Sample #5-11 to 5-15) is widespread near the southern end of the claims. These veins occur wherever the ortho-gneiss has been fractured and altered. Sample #5-15 containing tennantite-tetrahedrite obtained a gold value of 0.22 opt. and silver value of 4.42 opt.

SAMPLE NUMBER	Au oz/t	Ag oz/t	Pb %	DESCRIPTION
3-11A-1	0.172	24.06	-	Quartz carbonate vein material, siderite
3-11B-1	0.130	358.28	-	arsenopyrite, tetrahedrite, heavy
3-11B-2	0.005	12.63	-	maganese staining, (3-11B-2 mostly carbonate)
5-11	0.003	1.72	-	Quartz with disseminated sulphides
5-12	0.002	0.74	-	Quartz chalcedony veining
5-13	0.002	0.43	-	Quartz chalcedony veining
5-15	0.220	4.42	-	Tetrahedrite, tennanite in quartz-carbonate
8-1	0.016	0.10	-	Quartz, chalcedony veining, tetrahedrite, tennanite
8-2	0.014	0.82	-	Quartz veining
8-2GM	0.005	14.48	42.29	Massive galena vein
8-8	0.005	16.00	48.99	Massive galena and pyrite vein, up to 30 cm wide



## DISCUSSION

Several promising zones of sulphide mineralization occurring in altered and fractured gneiss have been located on the Cody Ridge property. Significant gold and silver values were obtained in grab samples collected from the alteration zones in 1986.

A two phase exploration program is recommended to evaluate the mineral occurrences and to further prospect the property. The initial phase would include geological mapping and prospecting along the mineralized vein zones, and blast trenching of any sizeable showings.

Contingent on the results of Phase I, a follow-up Phase II program would involve surface trenching and diamond drilling.

## RECOMMENDATIONS

The following two phase exploration program is recommended for the Cody Ridge property.

### Phase I - Initial Exploration

Blast trenching	\$ 15,000
Geological mapping and prospecting	10,000
Grid development	2,500
Geophysical surveys	5,000
Camp, equipment, transportation	<u>7,500</u>

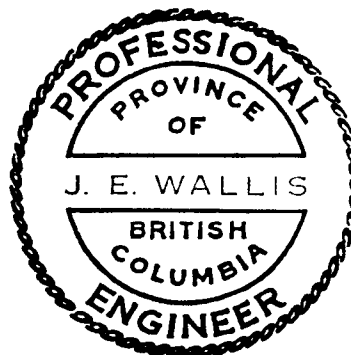
**Total Phase I** \$ **40,000**

### Phase II - Follow-up Program - Contingent on the results of Phase I.

Diamond Drilling (1,000 ft)	\$ 50,000
Bulldozer, backhoe or blast trenching, roadwork	15,000
Geological work	7,500
Camp and equipment	7,500
Engineering report	<u>5,000</u>

**Total Phase II** \$ **85,000**

**Total Phase I and II** \$ **125,000**



## REFERENCES

- Peever T., 1986: Unpublished data from field survey conducted on Cody claims in July - August, 1986.
- Roddick J.A., Green L.H., 1961: Tay River Map Area, Geological Survey of Canada, Map 13 - 1961.
- Templeman-Kluit D.J., 1972: Geology and origin of the Faro, Vangorda and Swim Concordent, Zinc-lead deposits, Central Yukon Territory; (Bull. 208, Map 1261A).



## STATEMENT OF QUALIFICATIONS

I, Graham S. Davidson of the City of Whitehorse in the Yukon Territory, hereby certify:

- 1) THAT I am a consulting geologist AND THAT I reviewed available information on the Cody Claims.
- 2) THAT I am a graduate of the University of Western Ontario (H.B.Sc., Geology 1981);
- 3) THAT I am registered as a Professional Geologist by the Association of Professional Engineers, Geologists and Geophysicists of Alberta (No. 42308);
- 4) THAT I have been engaged in mineral exploration on a full-time and part-time basis for seven years, of which five have been spent in the Yukon and Northwest Territories, and British Columbia.
- 5) I do not have nor have I ever had any interest direct, indirect or contingent in the shares of Doron Explorations Inc. nor do I expect to receive any interest, either direct or indirect, in the properties or securities pertaining thereto.
- 6) I hereby grant my permission for Doron Explorations Inc. to use this report for filing with the Vancouver Stock Exchange as partial requirement of a Statment of Material Facts or for any legal purposes normal to the business of Doron Explorations Inc.

Signed at Vancouver, British Columbia, this 10th day of March, 1987.

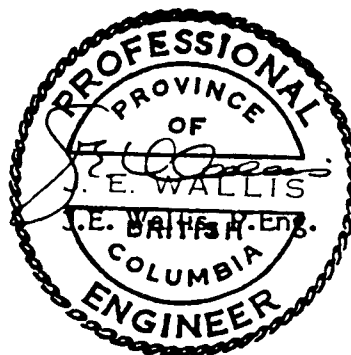
  
Graham S. Davidson, P. Geol.

## CERTIFICATE OF QUALIFICATIONS

I, J.E. Wallis, of Box 59, Atlin, British Columbia, do certify that:

1. I am a registered Professional Engineer in good standing in the Association of Professional Engineers of British Columbia.
2. I am a graduate of the Haileybury School of Mines 1958, the University of Alaska, B.Sc. 1965 and Queen's University, M.Sc. (Eng) 1967.
3. I have been practicing my profession for 28 years and as a Professional Engineer for the past 21 years.
4. I do not have nor have I ever had any interest direct, indirect or contingent, in the shares of Doron Exploration, Inc., nor do I expect to receive any interest, either direct or indirect, in the properties or securities pertaining thereto.
4. I have personally visited the property reviewed in this report and am familiar with the district.
5. I hereby grant my permission for Doron Exploration, Inc. to use this report for filing with the Vancouver Stock Exchange as partial requirement of a Statement of Material Facts or for any legal purposes normal to the business of Doron Exploration, Inc.

Dated at Atlin, British Columbia, this 23rd day of March, 1987.



APPENDIX A

ASSAY CERTIFICATE  
SGS SUPERVISOR SERVICES INC.



**SGS SUPERVISION SERVICES INC.**

General Testing Laboratories Division

1001 East Pender Street,  
Vancouver, B.C., Canada V6A 1W2  
Telephone: (604) 254-1647  
Telex: 04-507514

File: 8607-2452

TO: DORON EXPLORATION INC.  
P.O. Box 10362  
Stock Exchange Tower  
1500 - 609 Granville St.,  
Vancouver, B.C., Canada  
V7Y 1G5

We hereby certify that the following are the results of assays on: Ore

MARKED	GOLD	SILVER	Lead	XXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXXXXXXXXX	XXXXX
	oz/st	oz/st	Pb (%)					
3-11A-1	0.172	24.06	-					
3-11b-1	0.130	358.28	-					
3-11b-2	0.005	12.63	-					
5-10 11	0.003	1.72	-					
5-12	0.002	0.74	-					
5-13	0.002	0.43	-					
5-15	0.220	4.42	-					
SR-1	0.002	0.05	-					
SR-8A	0.002	0.10	-					
SR-8A2	0.002	0.10	-					
7-7	0.002	1.37	-					
8-1	0.016	0.10	-					
8-2	0.014	0.82	-					
8-2 Massive GM	0.005	14.48	42.29					
8-8	0.005	16.00	48.99					
			-					
			-					
			-					
			-					

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