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EXPLORATION REPORT

on the

GOLDEN PARTRIDGE PROPERTY
(Emily and Julia claims)
Atlin Mining District
NTS 104 M-14
Lat. 60 00'N Long. 135 20'W

For: DORON EXPLORATIONS INC. F.O. Box 10106 IBM Tower 1560-701 W. Georgia St. Vancouver, B.C. X7Y 1C6

FILMED

Ву

6.5. DAVIDSON, P. Geol.

November, 1988

GEOLOGICAL BRANCH ASSESSMENT REPORT

18,190

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#### INTRODUCTION

The Golden Partridge property covers part of the Bennett Lake cauldron subsidence complex. In September, 1987 an exploration crew spent three days on the property. This report describes the results of the exploration program.

The property is held by Doron Explorations Inc. in the Atlin Mining District of northwestern British Columbia. The writer was on the property from July 15-21, 1988. B. Lueck (Seologist) supervised the 1987 exploration work.

#### LOCATION AND ACCESS

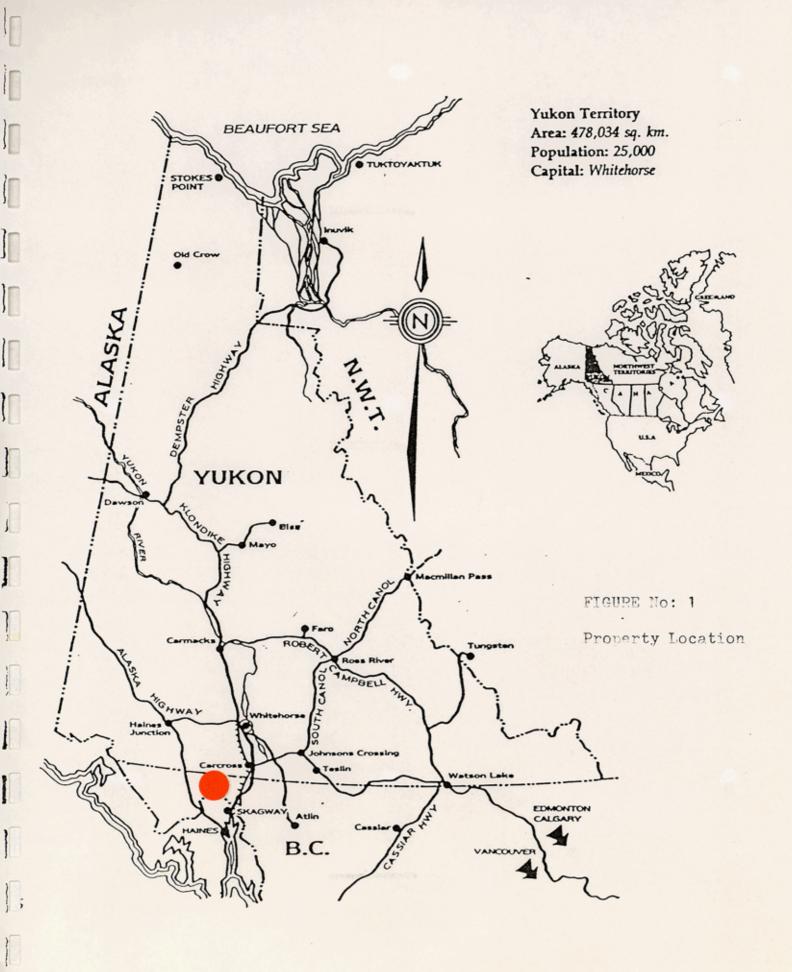
The property is located near the B.C./Yukon border approximately 80 km south of Whitehorse, Yukon. The claims are situated west of Partridge Lake in the precipitous Coast Mountains on NTS Map Sheet 104 M-14. Approximate geographical co-ordinates are 60 00' N Lat., 135 20' W Long.. Figures 1 and 2 show the property location.

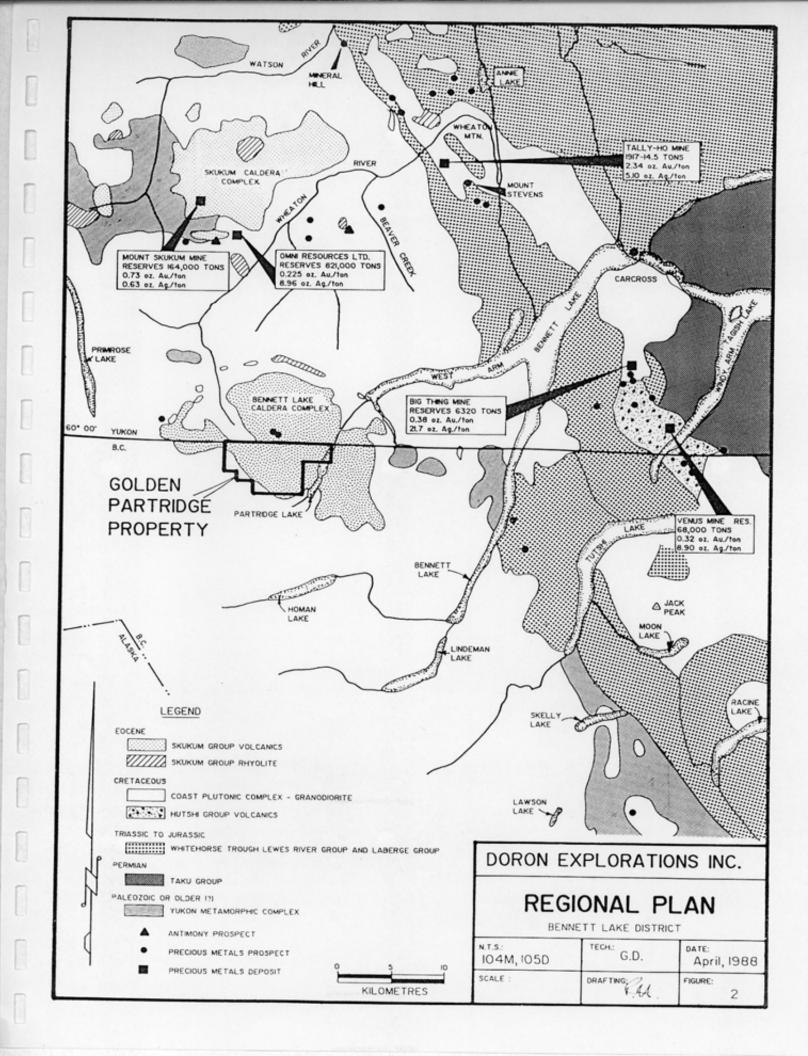
Access to the property is by helicopter from the Wheaton Valley or Whitehorse. The closest all-weather road connects the Mt. Skukum Gold Mine to the Klondike Highway. This road lies 20 km north of the property.

## PHYSIOGRAPHY, CLIMATE, VEGETATION

The Golden Partridge property is situated in the Partridge Range of the Coast Mountain Ranges of the northwestern cordillera. The claims lie between 1050 and 2300 meters, covering a steep northwest trending ridge. The north face of the ridge features high cirques and several icefields. In many places the topography is extreme, necessitating the use of helicopters for access. Outcrop is extensive on steep slopes and ridge crests while valley floors are filled with glacial moraines.

Alpine areas in northwestern British Columbia have a northern interior climate modified by the Pacific Ocean. The property is snow covered from early September until late June. Summer temperatures average 10 C and annual precipitation averages 70 cm.





Vegetation is restricted to alpine grasses and moss at the high elevations encountered on the property. Partridge Lake at 690  $\rm m$  is surrounded by spruce and jackpine forest.

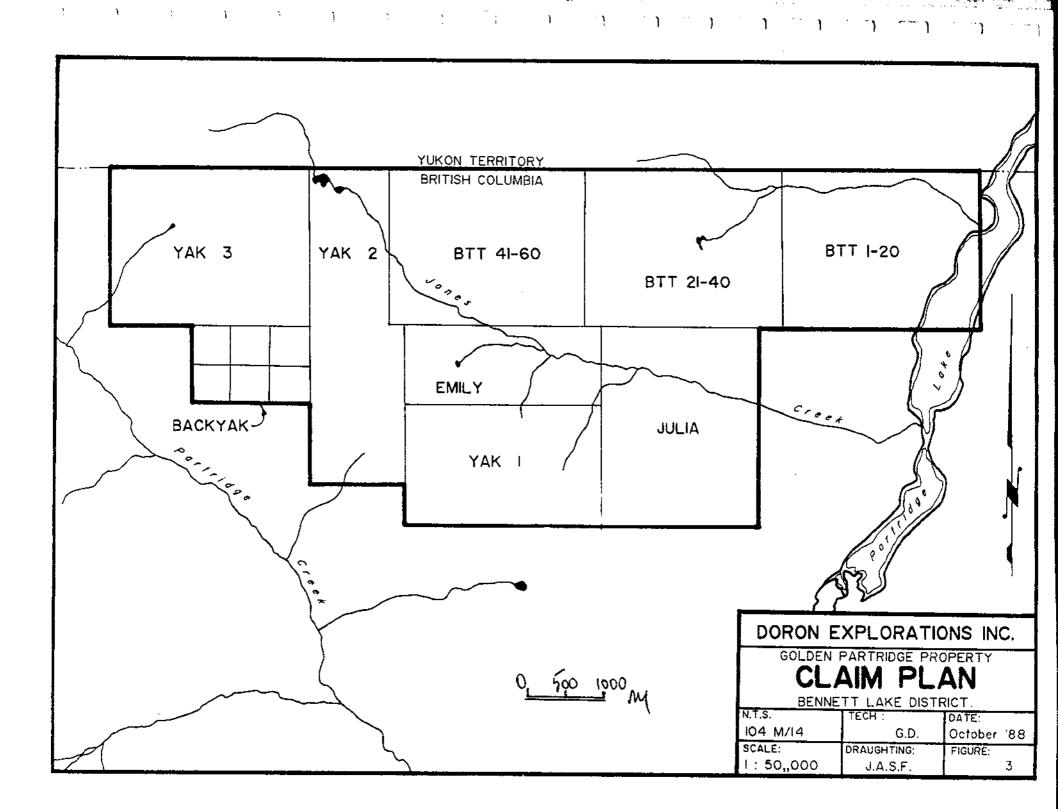
## PROPERTY

The Golden Partridge property consists of 14 claims registered with the district office in Atlin, B.C., as listed in Table 1. Figure 3 shows the claim plan.

TABLE 1 PROPERTY DATA

Claim Name	No. of Units	Record Number	Expiry Date(*requested)
BTT 1-20 BTT 21-40 BTT 41-60	20 20 20	2794 2795 2796	March 17, 1990 March 17, 1990 March 17, 1990
JULIA	20	2642	July 7, 1989*
EMILY	10	2643	JULY 7, 1989*
YAK 1 YAK 2 YAK 3	15 16 20	2727 2728 2 <del>9</del> 51	Sept. 22, 1991* Sept. 22, 1991* July 10, 1990
BACKYAK 1-6	6	3411-3416	August 26, 1989

The claims are held by Doron Explorations Inc. under terms of agreements with T. Peever and B. Lueck.



REGIONAL GEOLOGY

The regional geology is taken from the Preliminary Evaluation Report on the Golden Partridge Property by J.E. Wallis.

The regional geology of the district has been well documented by M.B. Lambert (1974) in Geological Survey of Canada, Bulletin No. 227.

The Bennett Lake (Golden Partridge) complex is the more southerly of two outcrop areas of the Mt. Skukum Group of rocks. The complex consists of two nested calderas, an eroded structural dome and a thick succession of pyroclastic and epiclastic rocks related to eruption, subsidence and filling of the cauldrons. The complex is completely surrounded by granitic rocks containing pendants of the Yukon Group. Geologically, the caldera is located near the eastern contact of the Coast Plutonic Complex and the Whitehorse Trough and volcanic arc (see Figure 4 - Regional Geology).

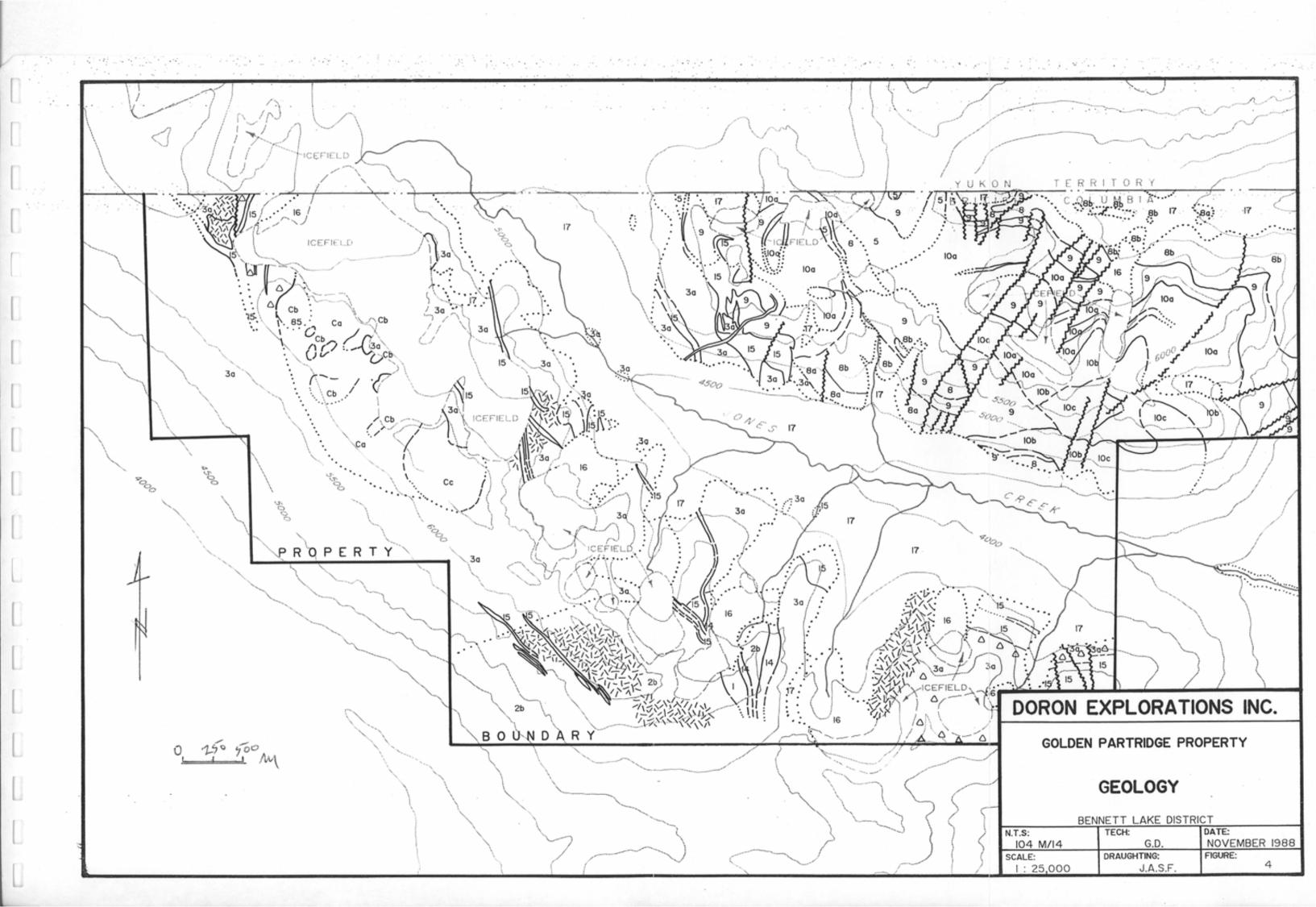
Souther (1970) offered the following hypothesis for the origin of the early Tertiary volcanism within the Canadian Cordilleran which suggests a relationship between extensional tectonics and high level volcanism. He suggests that eastward subduction of the Farralon Plate gave rise to a volcano-plutonic arc which was maintained by partial melting due to subduction. "Rapid uplift accompanied by east-west regional extension and block faulting in early Tertiary time may reflect a decrease in the rate of subduction, allowing rebound of the gravitationally unstable root zone. This resulted in melting of large quantities of rock with subsequent intrusion and diapirism resulting in the emplacement of plutons at high structural levels."

Intrusion of high level plutonic rocks beneath the caldera in early Tertiary time was accompanied by regional extension and high level block faulting. Magmatic fractionation resulted in a zoned and volatile saturated magma chamber.

FIGURE No: 4
Property Geology

## LEGEND

	_		
		CINARY	
	PL	EISTOCENE AND RECENT  Colluvium and undifferentiated surficial deposits;	•
ı	17	17a, alluvium, sand, siit, gravel	
	16	Glacial deposits: moraine, sand, gravel	
	TERTI.	ARY CENE	
	15	Rhyolite, ducito, andosito, basait and tuff dykoe, silis and minor lavas; agus equivalent to 5 to 14 or younger	
	14	Rhyolite ring dyke and related intrusions	
	13	SKUKUM GROUP (5-13) BOUDETTE CREEK FORMATION: Ignimbrite; minor tull; 13a, granitic boulder conglomerate	
	10	JONES CREEK FORMATION: 10s, basalt with minor volcante breectas; 10b, rhyolite lavas and related dykes; 10c, tuff, ignimbrite, sandstone	
CENOZOIC	9	LEMIEUX CREEK FORMATION: granitic boulder conglomerate; minor sandstone, tuff and ignimbrite (locally interfingers with 8); 9a, tuff breccia and andesite breccia (age relative to 6, 7, and 8 uncertain); 9b, granitic-volcante boulder conglomerate; 9c, granitic breccia	CROZIER TUFFS AND LAVAS: tuff, ignimbrite; 12a, rhyolite lavas; 12b, silistone, grit; 12c, volcante breccia; probably equivalent to 10
CE	8	MACAULEY CREEK FORMATION: 8, Undifferentiated 8b, Member B; ignimbrite, densely welded; minor tuff, volcanic breccia and lavas 8a, Member A; ignimbrite, partly welded	CROZIER BRECCIAS: volcanic and granitic fragment breccias and conglomerates with minor sandstone and tuff; 11a, situatione; considered to be equivalent
	7	GAULT FORMATION: granitic boulder conglomerate, sandstone; minor slitstone, shale, tull and volcanic breccia	to 9 but may in part be equivalent to 7
	6	CLEFT MOUNTAIN FORMATION: 5. Undifferentiated 6e. Member E: lithic and feldepathic wacke, buff 6d. Member D: ignimbrite 6c. Member C: andesite lavas 6b. Member B: felsephyric dacite lavas 6a. Member A: ignimbrite	A ignimbrite; minor tuff; considered to be related to 13
	5	PARTRIDGE LAKE FORMATION: 5.Undifferentiated tuff; minor	B Ba, tuff; Bb, ignimbrite; considered to be related to 10 or 13
		iavas, volcanic breccia and granitic breccia; may contain purt of 8a near MacAuley Creek valley 5d. Granitic boulder conglomerate and breccia; age uncertain	C Ca, tuff; Cb, andestte; Cc, rhyolite; considered to be related to 10
1		Sc. Member C: (gnimbrite, non- to partly welded; lapilli tuff, tuff breccia Sb. Member B: (gnimbrite, partly welded; minor dacite and	Da, tuff, ignimbrite, voicante breccia, dacite and rhyolite lavae; minor siltatone, granitic boulder-bearing anndatone; Db, ignimbrite; probably related to 10
		andosite lavas 5a.Member A: ignimbrite, non-welded	E Ea, volcanic breccia; Eb, andesite
		CEOUS AND TERTIARY COAST PLUTONIC COMPLEX	Geological boundary (defined, approximate, assumed)
J	PAL	EOCENE (?) OR EARLIER	Bedding (horizontal, inclined, vertical)+ / /
.	4	Leucocratic granite; 4z, possible ring fracture intrusion (age uncertain relative to 5)	Schistosity, gnelssosity
ပ္ပါ		•	
Ω,	UPPER	CRETACEOUS OR LOWER TERTIARY	Fault (defined, approximate, assumed; solid circle on downthrow elde)
MESOZOIC	3	3s, hornblende-biotite quartz monzonite; 3b, pink quartz monzonite; 3c, line grained biotite quartz monzonite	Locality where age has been determined (age in millions of yours)
ļ	2	2a, horablende and biotite-horablende granodiorite;	Fossii locality
r. (	رب	2b, blotite and hornblende-blotite granodiorite	Mineral occurrence (fluorite)
ĭoz	(	YUKON GROUP	Shattered granitic rocks
ALEOZOIC		Quartzite, mica-quartz schist, mica (or hornblende) quartz-feldspar gneles, altered gnelesic quartz diorite; minor marble	Brecciated grantite rocks
<u>.</u>			r



Initial eruptive events caused radial fracturing, brecciation and shattering of the overlying granitic and metamorphic rocks, followed by the eruption of gas charged magma along the ring fracture system. Volcaniclastics of the Partridge Lake Formation are the result of this eruptive event.

Subsidence along the ring fracture system followed, and a central, largely intact plug was downdropped along the outer ring fractures. Minor block faulting and extrusion of magma within the caldera accompanied this event.

Fractionation of the magma chamber again resulted in explosive volcanism which formed the MacAuley Creek Formation. Caldera collapse then occurred for a second time along arcuate fracture systems within the caldera. Avalanching, active volcanism and brecciation accompanied this event. Volcanism continued for some time after caldera collapse. High level andesite and rhyolite dykes and intrusive bodies crosscut volcanic flows and tuffs at all levels. Dyke swarms are emplaced along ring fractures and fault zones at the southwest edge of the caldera.

#### HISTORY AND PREVIOUS WORK

The Bennett Lake district was first explored by prospectors travelling along the major lakes and rivers in the early 1890's. The Klondike Gold Rush brought a great influx of people to the area in 1898. Gold and silver bearing quartz veins were discovered around Bennett and Tagish Lakes, and in the Wheaton River area. High grade mining operations at the Engineer mine beside Taku Arm, Tagish Lake, and at the Venus and Big Thing mines on Montana Mountain produced gold and silver periodically during the early 1900's.

In the Partridge Lake area documented exploration began in 1979 when E & B Exploration Ltd. ran a regional exploration program for uranium. In 1981, Kennco Explorations Ltd. carried out reconnaissance geochemistry traverses throughout the area.

In 1986-1987 Doron Explorations Inc. acquired 176 claim units, collectively called the Golden Partridge property. The property was first explored by Doron personnel in 1986 in a reconnaissance geological and geochemical program designed to examine mineralized alteration zones within the Bennett Lake complex. A 106 samples were collected for detailed evaluation by Xray Fluorescence Spectrometry, Neutron Activation Analysis, and Atomic Absorption and Inductively Coupled Plasma Analysis.

The results of the study were: that mineralization is epithermal in origin; gold values above 20 ppb are anomalous; future geochemical samples should be analyzed for Au, Ag and Pb; all geochemical samples must be ground to -250 mesh (J.E. Wallis, 1987).

### 1987 EXPLORATION PROGRAM

In the 1987 field season a brief prospecting program was undertaken in September from a fly-camp located on Jones Creek. Eleven rock samples were collected on traverses across the Emily and Julia claims. Sample locations are shown in Figure S and sample data is presented in Table 2.

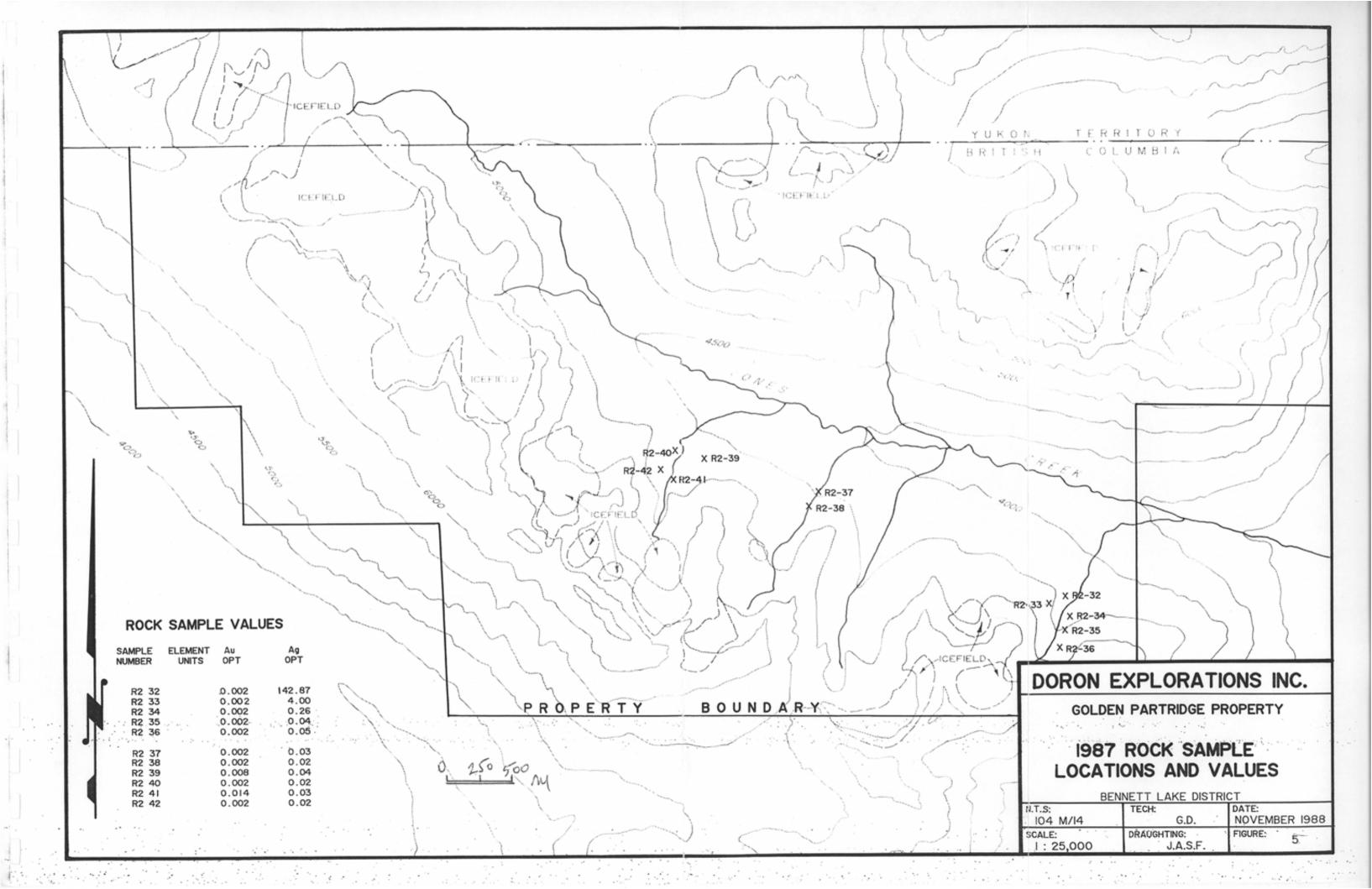


TABLE 2
ROCK SAMPLE VALUES AND DESCRIPTIONS

			· ·		
Sample No.	Sample Type	Location	Description	Au OPT	Ag OPT
R2-32	float	Julia claim	Quartz vein, galena	0.002	142.87
R2-33	float	Julia claim	Quartz-carb. vein, galena	0.002	4.00
R2-34	grab	Julia claim	Altered grano- diorite, minor galena	0.002	0.26
R2-35	grab	Julia claim	same as above	0.002	0.04
R2-36	grab	Julia claim	same as above	0.002	0.05
R2-37	grab	Emily claim	Alt. rhyolite, pyrite	0.002	0.03
R2-38	grab	Emily claim	same as above	0.002	0.02
R2-39	grab	Emily claim	Alt. grano- diorite breccia chlorite, minor pyrite	<b>₹</b> ,	0.04
R2-40	grab	Emily claim	same as above	0.002	0.02
R2-41	grab	Emily claim	same as abovė	0.014	0.03
R2=42	grab	Emily claim	same as above	0.002	0.02

## DISCUSSION AND RECOMMENDATIONS

On the Julia and Emily claims galena bearing quartz and quartz-carbonate vein material found in talus fans contain high silver values (4.0-142.87 OPT). However gold values are at trace levels.

Altered granodiorite and granodiorite breccia samples produced background results in gold and silver with the exception of sample # R2-41 which assayed 0.014 OPT gold.

Altered rhyolite samples containing minor pyrite produced background values.

The results of the brief sampling program indicate that galena bearing quartz and quartz-carbonate veins are present on the property. These veins have not been located in outcrop and future exploration work should include detailed prospecting of higher ridges and cirques. If mineralized veins are discovered, the showings should be fully exposed by blast trenching.

In July, 1988 a Doron prospecting crew located three mineralized quartz veins between 1-2m wide and upto 300m long on ridges in the Emily and Julia claims. This work program is described in the Exploration Report on the 1988 field season, which will be submitted in a future assessment report.

### CERTIFICATE

- I, GRAHAM DAVIDSON, of the City of Whitehorse, in the Yukon Territory, HEREBY CERTIFY:
- That I am a consulting geologist and that I reviewed data provided by Doron Explorations in the preparation of this report and that I worked on the property from July 15-21, 1988.
- 2. That I am a graduate of the University of Western Ontario (H.B.Sc., Geology, 1981).
- That I am registered as a Professional Geologist by the Association of Professional Engineers, Geologists and Geophysicists of Alberta (#42038).
- 4. That I have been engaged in mineral exploration on a full time basis for seven years in the Yukon, Northwest Territories and British Columbia.

SIGNED at Whitehorse, Yukon this 29 day of November, 1988.

G.S. DAVIDSON, P.Geol.

# STATEMENT OF COSTS

Personnel:	B. Lueck (geologist) B. Harris (prospector)	\$	750 600
Transportation	: Frontier Helicopters		1250
Sample analysis	s: 11 samples		154
Supplies and ed	quipment:		450
	TOTAL COST	S \$	3204

## REFERENCES

- CHRISTIE, R.L. (1957): Map 19-1957, Bennett Area Geology Map, 6.S.C.
- LAMBERT, M.B. (1973): G.S.C. Bulletin 227, Geology of the Bennett Lake Cauldren Subsidence Complex
- WALLIS, J.E. (1987): Preliminary Evaluation Report on the Golden Partridge Property

Bondar Cleza & Company Ltd.

130 Pemberton Ave. North Vancouver, B.C. Canada V7P 2R5 Phone: (604) 985-0681 Telex: 04-352667



Certificate of Analysis

REPORT: 427-7914 ( COMPLETE )

REFERENCE INFO:

CLIENT: DORON EXPLORATION INC.

PROJECT: NONE GIVEN

SUBMITTED BY: BRIAN LUECK DATE PRINTED: 23-801-87

TABLE TO BE A SIGNATURE OF THE CONTROL OF THE RESERVE OF THE CONTROL OF THE CONTR

 UJECT: N								23-0C1-87	, 
 ORDER		ELEMENT	· · · · · · · · · · · · · · · · · · ·	NUMBER OF ANALYSES		WER ON LIMIT	EXTRACTION	METHOD	<b></b>
1	Αu	Gold -	FIRE ASSAY	22	0.001	OPI			
2	Ag	Silver		22	0.01	OPT			
 3	Pt	Platinu		7	0.002	0P1			P31 1-23
4	Pď	Palladi	U In	7	0.002	0PT			
5	Cu	Copper		7	0.01	PCT			
6	Ni	Nickel		7	0.01	PCT			
 SAMPLE	ΙΥΡ	ES	NUMBER	SIZE F	RACTIONS		NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROC	K OR	BEO ROCK	22	2 -1	1.50		22	ASSAY PREP	22

NOTES: # indicates ERRATIC RESULTS

REPORT COPIES TO: DORON EXPLORATION INC.

INVOICE TO: DORON EXPLORATION INC.

	REPORT: 427	-7914						PROJECT: NONE GIVEN	PAGE 1
	Sample Number		Au Ag PT OPT	Pt OPT	Pd OPT	Cu PCT	Ni PCT		
	R2 9	<0.0	02 0.06	<0.002	<0.002	0.01	0.02		removed the control of the control o
	R2 10	<0.0			<0.002	0.16	<0.01		
	R2 11	<0.0			<0.002	0.17	<0.01		
	R2 12	0.0		<0.002	<0.002	0.06	<0.01		
1.2.	<b>R2</b> 13	<0.0			<0.002	3.60	0.01		N
	R2 14	<0.0	02 0.04	<0.002	<0.002	0.02	0.15	· · · · · · · · · · · · · · · · · · ·	
	R2 28	<0.0							
	R2 29	0.0							
	R2 30	<0.0							
	R2 31	7.8	69# 3.60						
<b></b> .	R2 32	0.0	02 142.87						<del></del>
	R2 33	0.0							
	R2 34	<0.0	02 0.26						
	R2 35	⟨0.0			•				
	R2 36	<0.0							
	R2 37	<0.0	0.03						······································
	R2 38	<0.0							
	R2 39	0.0							
	R2 40	<0.0							
	R2 41	0.0							
. =	R2 42	<0.0	02 <0.02				* *-!*-!alama		Markette
	R2 43	<0.0		<0.002	<0.002	3.78	0.01		

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