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DIAMOND DRILLING REPORT

Gold Commissioner's Office VANCOUVER, B.C.

on the

fan 5/98 in Princeton

# **GOLDDROP AND MURPHY MINERAL CLAIMS**

Princeton Area
Similkameen Mining Division

92H-7E (49°20' N. Lat., 120°38' W. Long.)

for

### **MURPHY SHEWCHUK**

Keremeos, B.C. V0X 1N0 (Owner and Operator)

by

GRANT F. CROOKER, P.Geo. Consulting Geologist

December, 1997

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#### SUMMARY AND RECOMMENDATIONS

The Golddrop Property is located 16 kilometres southwest of Princeton, near Whipsaw Creek in southern British Columbia. The property consists of 4 modified grid claims covering 14 units.

The property is mainly underlain by Upper Triassic Nicola Group volcanic and sedimentary rocks. A body of mainly porphyritic diorite of unknown dimensions occurs in the area of the 1992 drilling.

During the period 1988 through 1994 various work programs consisting of establishing two small grids, VLF-EM surveying and soil geochemical sampling over the grids, trenching and diamond drilling were carried out on the Golddrop property. The 1990 soil geochemical sampling delineated two small copper and three small gold geochemical anomalies on the Golddrop claims.

Nine BQ diamond drill holes totalling 759.02 metres have tested mineralized areas on the property from 1988 through 1992. Four holes (88-1, 88-2, 89-1 and 90-1) were drilled on the Golddrop claim and intersected calcite veinlets and carbonate altered zones with minor silicification. The zones are generally 0.5 to 1.5 metres in width and contain pyrite, sphalerite, and minor chalcopyrite along with weakly anomalous gold values.

Three holes (92-1, 92-2 and 92-3) were drilled south of Whipsaw Creek to test an area which had given surface assays in the order of 0.25% copper. The drilling intersected a number of narrow (0.26-1.69 metres) zones of fracturing and weak silicification containing up to 25% pyrite and 1% chalcopyrite within a porphyritic diorite. The highest copper value was 0.25% copper and no gold values were anomalous.

The 1994 work program consisted of drilling two BQ diamond drill holes totalling 110.24 metres south of Whipsaw Creek. Drill hole 94-2 intersected a number of 0.3 to 3.0 metre wide zones of fracturing with 1 to 2 mm quartz-carbonate veinlets, weak to strong epidote alteration, 1 to 4% pyrite and minor brown garnet. A number of the zones were sampled with disappointing results. The highest gold value was 5 ppb and the highest copper value 933 ppm.

The 1997 work program consisted of one BQ diamond drill hole (28,96 metres). The hole was drilled to test an outcrop of grey-blue limestone containing 1-2% disseminated pyrite and up to 1% chalcopyrite. A surface assay of this mineralization gave 0.16 and 4.8 grams per tonne gold and silver respectively, and 2950 ppm copper.

The driff hole encountered broken and strongly fractured green andesite with pyrite on the fractures. No economic mineralization was observed in the driff core.

The recommendation is that detailed prospecting and geological mapping be carried out over the property before additional drilling is considered.

Respectfully submitted,

Grant Crooker, P.Geo., Consulting Geologist

#### 1.0 INTRODUCTION

#### 1.1 GENERAL

Diamond drilling was carried out on the Goldrop Property during June of1992. Murphy Shewchuk supervised the drilling and Grant Crooker, P.Geo., was retained to prepare the report.

#### 1.2 LOCATION AND ACCESS

The property (Figure 1) is located approximately 16 kilometres southwest of Princeton in the Whipsaw Creek area of southern British Columbia. The property lies between 49°19' and 49°21' north latitude and 120°36' and 120°39' west longitude (NTS 92H-7E).

Access is from the Hope-Princeton Highway, turning off the highway at Whipsaw Creek. A good two wheel drive logging road passes through the property and several four wheel drive roads provide access to different areas of the property.

#### 1.3 PHYSIOGRAPHY

The property lies along the eastern margin of the Cascade Mountains and elevation varies from 945 to 1460 metres above sea level. Topography varies from moderate to steep with Whipsaw Creek flowing northeasterly through the property.

Fir and spruce trees cover most of the property, with varying amounts of brush. The area is subject to heavy snowfalls in the winter.

#### 1.4 PROPERTY AND CLAIM STATUS

The Goldrop Property (Figure 1) consists of four modified grid claims covering 14 units in the Similkameen Mining Division. The Golddrop property is owned by Murphy Shewchuk of Keremeos, B.C.

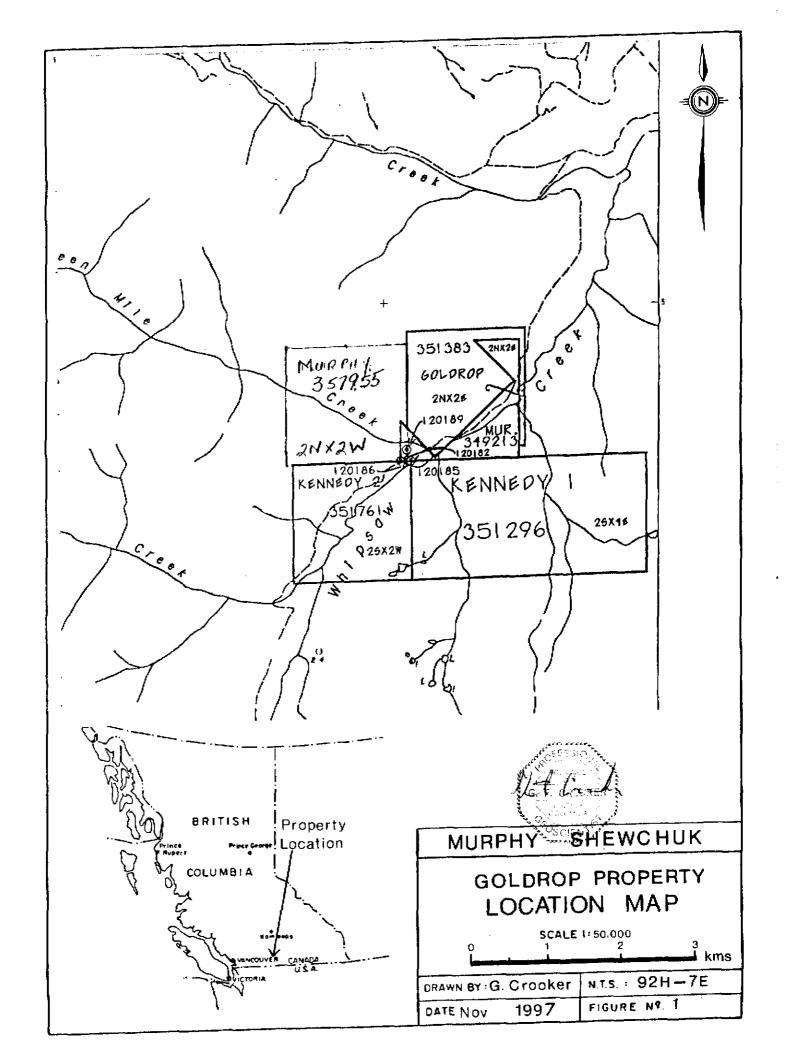
Claim	Units	i	Mining Division	Tenure No.	Record Date mdy	Expiry Date mdy
Golddrop	4		Similkameen	351383	10/07/96	10/07/00*
Murphy		4	Similkameen	357955	07/29/97	07/29/98
Kennedy 1	4		Similkameen	351761		
Kennedy 2	8		Similkameen	351296		

<sup>\*</sup> Including the work credits from this report.

#### 1.5 AREA AND PROPERTY HISTORY

The mining history of the Princeton area goes back to the late 1800's. Initial prospecting was for placer gold, with hard rock prospecting following shortly afterwards.

The Whipsaw Creek area also has a long history of mining. The copper deposits at Copper Mountain located seven kilometres east of the Golddrop property were first discovered by a trapper named Jameson in 1884. Production did not begin from Copper Mountain until 1925, and large scale production has continued to the present time, with the exception of a 23 year period from 1957 to 1970.



Nothing is known of the early history of the Golddrop property, although it was probably first discovered in the early 1900's. A caved adit and a number of hand trenches indicate work was carried out on the property during this time. In the 1970's the Huff brothers of Princeton carried out trenching and drilling on the property in the vicinity of the Golddrop claim. Little is known of this work, but anomalous gold, copper and zinc values were reported from the drilling.

The property was staked by the present owner in 1986. Diamond drilling was carried out on the Golddrop property during 1988 (two holes), 1989 (one hole), 1990 (one hole), 1992 (three holes) and 1994 (two holes). During 1990, 1992 and 1994 grids was also established over parts of the area and soil geochemical and VLF-EM surveys carried out over the grids.

A summary of the drill holes is given below.

DDH No.	Bearing (degrees)	Angle (degrees)	Depth (metres)
88-1	000°	-70°	115.24
88-2	005°	-59°	157.01
89-1	019°	-51°	148.17
90-1	000°	-70°	160.67
92-1	083°	-65°	82,31
92-2	09 <b>0</b> °	-51°	57.92
92-3	180°	-52°	36.89
94-1	082°	-60°	6.89
94-2	109°	-50°	103.35

DDH-88-1 was drilled near Fourteen Mile Creek and intersected one narrow zone between 74.85 and 75.46 metres which gave 1255 ppb gold and 1369 ppm zinc.

DDH-88-2 was drilled in the general vicinity of the 1970's drilling and intersected several zones of calcite veining and carbonate alteration with anomalous gold, zinc and copper values. The mineralized zones occur between 121.62 and 128.08 metres.

DDH-89-1 was also drilled on the main zone and intersected the main zone between 104.32 and 110.06 metres. Zinc and copper values were highly anomalous but gold was very low. A summary of the best drill intersections is given below.

DDH	Intersection	Width	Αu	Zn	Cu
No.	(m)	(m)	ppb	ppm	ppm
88-1	74.85-75.46	0.61	1225	1369	87
88-2	121.62-122.12	0.50	365	91226	2481
88-2	122.83-123.43	0.60	445	85063	2438
88-2	126,48-126,98	0.50	5590	76357	4039
89-1	104.27-105.18	0.91	40	630	158
89-1	105.18-105.79	0.61	45	6186	371
89-1	107.62-108.23	0.61	150	8.85%	4000
89-1	108.23-110.06	1.83	145	80000	7700

DDH-90-1 was also drilled on the main zone and intersected three distinct zones of mineralization. The upper zone (93.60-94.21) consists of an 0.60 metre wide zone of calcite with 10% pyrite and 1% sphalerite. The middle (130.23-134.76) and lower (137.80-140.65) zones again consist of calcite with varying amounts of pyrite and sphalerite. However within the lower two zones, 0.50 metre wide carbonate altered intervals are

separated by similar widths of barren andesite. The middle zone contains three mineralized intervals while the lower zone contains two mineralized intervals.

The 1990 drilling gave lower gold, copper and zinc values than the 1988 and 1989 drilling. The best mineralized intersections are summarized below.

DDH No.	Intersection (m)	Width (m)	Au ppb	Zn %	Cu %
90-1	93,60-94.21	0.61	65	0.82	0.51
90-1	130.23-130.83	0.60	300	.012	0.007
90-1	131.80-132.30	0.50	500	.032	0.013
90-1	133.03-134.76	1.73	75	0.36	0.015
90-1	137,80-138,60	0.80	20	3.19	0.128
90-1	138,92-140,65	1.73	400	.270	.030

During 1990 a small grid was also established on the Golddrop 1 to 4 claims and soil geochemical and VLF-EM surveys were carried out over the grid. The VLF-EM survey delineated a number of conductors but no causes were apparent for them. Several soil geochemical anomalies were outlined by the soil sampling. A weak copper anomaly occurs 200 metres east of the drilling on the main zone and may represent an extension of this zone. Several coincidental copper-gold anomalies occur in the northeast portion of the grid.

The 1992 program was carried out south of Whipsaw Creek. Three diamond drill holes (177.12 metres) tested an area which had given surface assays in the order of 0.25% copper. The mineralization is related to narrow (0.26 to 1.69 metres) zones of fracturing and weak silicification containing up to 25% pyrite and 1% chalcopyrite within a porphyritic diorite. The mineralized zones were assayed for gold and copper with disappointing results. All gold values were less than 0.001 ounces per ton gold and the highest copper value was 0.25% over 1.1 metres. A summary of the mineralized intersections is given below.

DDH No.	Intersection (m)	Width (m)	Au ppb	Cu ppm
92-1	19.24-20.93	1.69	<.001	0.18
92-1	21.32-21.84	0.52	<.001	0.20
92-1	31.20-31.46	0.26	<.001	0.06
92-2	6.70-7.80	1.10	<.001	0.25
92-2	18.59-19.52	0.93	<.001	0.05
92-2	19.79-20.35	0.56	<.001	0.11
92-2	28.30-29.18	0.88	<.001	0.06
92-2	29.18-30.18	1.00	<.001	0.05
92-3	15.85-17.07	1.22	<.001	0.22
92-3	31.09-32.08	0.99	<.001	0.04

A small grid was established several hundred metres south of the legal corner post of the M-5 and M-6 claims. Twenty-five soil samples were collected and geochemically analysed by 32 element ICP but no significant geochemical anomalies were outlined.

The 1994 drilling program was also carried out south of Whipsaw Creek. The drilling encountered a number of narrow zones (0.26-1.69 metres) of fracturing and weak silicification with up to 25% pyrite and 1% chalcopyrite within a porphyritic diorite. The highest copper value was 0.25% and no gold values were anomalous.

#### 2.0 EXPLORATION PROCEDURE

The program covered by this report consists of one BQ diamond drill hole (28.96 metres). The drilling was carried out by Adam Diamond Drilling of Princeton, BC.

One rock sample from the outcrop at the collar of the drill hole was sent for analysis. The sample was sent to Chemex Labs Ltd., 212 Brooksbank Avenue, North Vancouver, B.C. for geochemical analysis. Laboratory technique for geochemical analysis consists of preparing samples by drying and crushing to minus 150 mesh. A 32 element ICP analysis and gold analysis (fire assay, atomic adsorption finish) were then carried out on the sample.

The location of the drill hole is shown on Figure 2.

#### 3.0 GEOLOGY AND MINERALIZATION

The property lies along the western margin of the Intermontane Belt of southern British Columbia. Upper Triassic Nicola group volcanic and sedimentary rocks underlie most of the property. The volcanic succession includes massive flow units, coarse to very fine-grained pyroclastic units and some pillow lavas. These rocks are generally andesite to basaltic andesite in composition. The sedimentary succession includes siltstone, argillite, conglomerate and some reefoid limestone.

A body of generally porphyritic diorite underlies the area of the 1992 diamond drilling. The dimensions of this body are unknown at this time.

Mineralization in the vicinity of the Golddrop claim, as outlined by previous drilling consists of calcite veinlets and carbonate altered zones with minor silicification containing pyrite, sphalerite and minor chalcopyrite. Anomalous gold values are also associated with the mineralization. The carbonate altered zones consist of a series of narrow (0.5 metres) calcite veins with barren zones of andesite between them.

In the vicinity of the 1992 drilling the mineralization consists of fractured and weakly silicified zones in the porphyritic diorite. The zones are generally less than 1 metre in width and contain up to 20% pyrite and minor amounts of chalcopyrite. The highest copper assay has been 0.25% and no anomalous gold values have been obtained from the zones.

Skam mineralization containing disseminated chalcopyrite outcrops along the road east of the 1992 drilling. Samples of this material have given up to 0.189% copper and 160 ppb gold.

#### 4.0 DIAMOND DRILLING

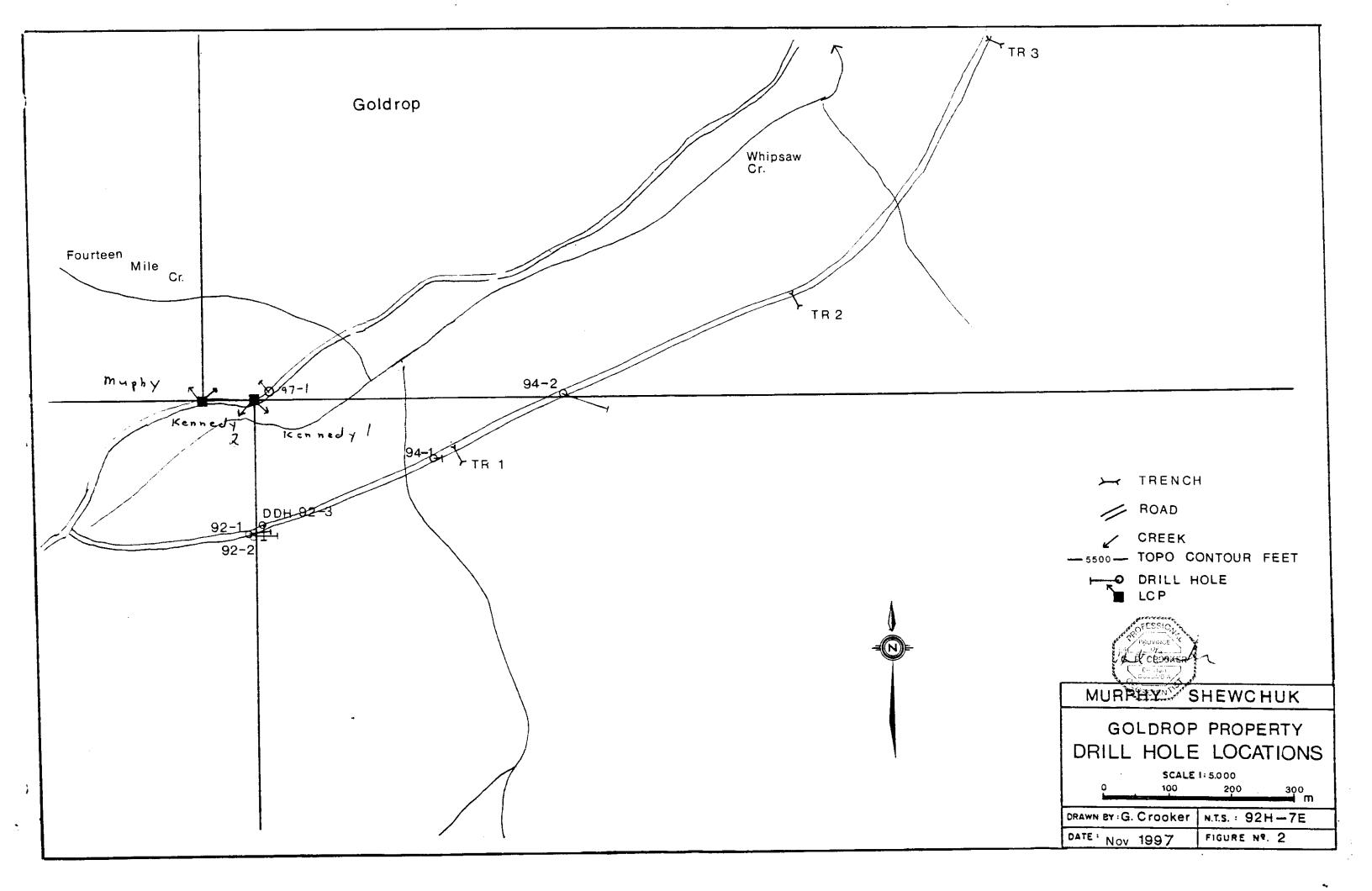
Diamond drilling was carried out on the property during June of 1997 and consisted of one drill hole (Figure 2) totalling 28.96 metres. Core recovery was very poor due to the broken nature of the rock. The drill core is stored at the residence of Mr. Murphy Shewchuk at Keremeos, B.C. A summary of the pertinent data is given in below.

DDH No.	Bearing (degrees)	Angle (degrees)	Depth (metres)
97-1	321°	-55°	28.96

The drill hole was collared on an outcrop of blue-grey limestone containing 1 to 2% disseminated pyrite and 1% chalcopyrite. The mineralization consists of small blebs of pyrite and chalcopyrite up to 4 millimetres in diameter. A surface assay of this mineralization gave 0.16 and 4.8 grams per tonne gold and silver respectively, and 2950 ppm copper.

The drill hole intersected 1.52 metres of the limestone before entering broken, strongly fractured dark green andesite. Fractures within the andesite contain up to 1% pyrite, but no chalcopyrite mineralization was observed.

The hole was very difficult to drill due to the broken nature of the rock and was abandoned at 28.96 metres when the drill rods became stuck in the hole. Casing was driven to the bottom of the hole to recover the drill rods.



#### 5.0 CONCLUSIONS AND RECOMMENDATIONS

The 1997 work program consisted of one BQ diamond drill hole (28.96 metres). The hole was drilled to test an outcrop of grey-blue limestone containing 1-2% disseminated pyrite and up to 1% chalcopyrite. The drill hole encountered broken and strongly fractured green andesite with pyrite on the fractures. No economic mineralization was observed in the drill core.

The recommendation is that detailed prospecting and geological mapping be carried out over the property before additional drilling is considered

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Grant Crooker, P. Geo., Consulting Geologist

#### 6.0 REFERENCES

B.C.D.M.: G.E.M., 1970 (pp379, 384); 1971 (pp272); 1973 (pp24, 158); 1974 (pp115); 1975 (ppE70).

B.C.M.M., Annual Report for 1966.

Crooker, G.F., (July 1988): Diamond Drilling Report on the Murphy, Maggie, M 2, M 3 and Golddrop 1 to 4 Claims, Princeton Area, Similkameen Mining Division, for Murphy Shewchuck.

Crooker, G.F., (June 1990): Diamond Drilling Report on the Murphy, Maggie, M 2, M 3 and Golddrop 1 to 4 Claims, Princeton Area, Similkameen Mining Division, for Murphy Shewchuk.

Crooker, G.F., (February 1991): Geochemical, Geophysical and Diamond Drilling Report on the Murphy, Maggie, M 2, M 3 and Golddrop 1 to 4 Claims, Princeton Area, Similkameen Mining Division, for Murphy Shewchuk.

Crooker, G.F., (November 1992): Trenching, Diamond Drilling and Geochemical Report on the Murphy, Maggie, LC One, M-2 to M-6 and Golddrop 1 to 4 Claims, Princeton Area, Similkameen Mining Division, for Murphy Shewchuk.

Crooker, G.F., (December 1994): Diamond Drilling and Geochemical Report on the Murphy, Maggie, LC One, M-2 to M-6 and Golddrop 1 to 4 Claims, Princeton Area, Similkameen Mining Division, for Murphy Shewchuk.

Preto, V.A., (1972): Geology of Copper Mountain, B.C.D.M. Bulletin 59.

Rice, H.M.A. (1947): Geology and Mineral deposits of the Princeton Map-Area, B.C., Geological Survey of Canada, Memoir 243.

#### 8.0 CERTIFICATE OF QUALIFICATIONS

- I, Grant F. Crooker, of Upper Bench Road, Keremeos, in the Province of British Columbia, hereby certify as follows:
- 1.0 That I graduated from the University of British Columbia in 1972 with a Bachelor of Science Degree in Geology.
- 2.0 That I have prospected and actively pursued geology prior to my graduation and have practised my profession since 1972.
- 3.0 That I am a member of the Canadian Institute of Mining and Metallurgy.
- 4.0 That I am a Fellow of the Geological Association of Canada.
- 5.0 That I am a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (No. 18,961).
- 6.0 That I have no direct or indirect interest, nor do I expect to receive any interest directly or indirectly in the property.

Dated this  $\mathcal{Aoch}^h$  day of  $|\mathcal{D}|_{\infty}$  , 1997, at Keremeos, in the Province of British Columbia.

Grant Crooker, P. Seo., Consulting Geologist Appendix I

**CERTIFICATES OF ANALYSIS** 



# Chemex Labs Ltd.

Analytical Chemists " Geochemists " Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: SHEWCHUK, MURPHY

\$,10, C.9, R.R. #1 KEREMEOS, BC V0X 1N0

A9738226

Comments:

**CERTIFICATE** 

A9738226

(GN ) - SHEWCHUK, MURPHY

Project: P.O. # :

Samples submitted to our lab in Vancouver, BC. This report was printed on 24-AUG-97.

	SAM	PLE PREPARATION
CHEMEX	NUMBER SAMPLES	DESCRIPTION
205 226 3202 229	1 1 1 1	Geochem ring to approx 150 mesh 0-3 Kg crush and split Rock - save entire reject ICP - AQ Digestion charge
* NOTE	1:	

The 32 element ICP package is suitable for trace metals in soil and rock samples. Rlements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Ba, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ΔΝΔΙ	YTIC	ΔI	PRO	CFD	URES
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SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
1	Au c/t: Fuse 30 c sample	FA-AAS	0.005	12.00
1	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	100.0
1	Al %: 32 element, soil & rock	ICP-ARS	0.01	15.00
1	As ppm: 32 element, soil & rock	ICP-AES	2	10000
1				10000
				100.0
, –			***	10000
_				15.00
				100.0 10000
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, –				10000
		ICP-AES	ī	10000
1	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
1	La ppm: 32 element, soil & rock	ICP-AES	10	10000
1	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
1	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
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		ICP-AES		5.00
iī	Ti ppm: 32 element, soil & rock	ICP-ARS	10	10000
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1	V ppm: 32 element, soil & rock	ICP- <b>AES</b>	1	10000
1	W ppm: 32 element, soil & rock	ICP-ARS	10	10000
	Zn ppm: 32 element, soll & rock	ICP-ARS	2	10000
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# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver British Columbia, Canada V7J 2C1 PHONE: 604-984-0221 FAX: 604-984-0218 To: SHEWCHUK, MURPHY

S.10, C.9, R.R. #1 KEREMEOS, BC VOX 1N0

Project: Comments: Pag€ ıber :1-A

CERTIFICATION: Ital Rochler

Total Jes :1
Certificate Date: 24-AUG-97
Invoice No. :19738226
P.O. Number :
Account :GN

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SAMPLE	PREP	Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cq ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	ppm La	Mg %	Mn
M-10-1	205 226	0.160	4.8	0.64	< 2	< 10	< 0.5	< 2 >1	5.00	0.5	10	20	2950	1,80	< 10	< 1	0.03	< 10	0.14	4980



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver British Columbia, Canada V7J 2C1 PHONE: 604-984-0221 FAX: 604-984-0218

To: SHEWCHUK, MURPHY

S.10, C.9, R.R. #1 KEREMEOS, BC V0X 1N0

Project: Comments: Page ' ver :1-B Total i :1

Certificate Date: 24-AUG-97 Invoice No. : 19738226

P.O. Number

;GN Account

										CE	RTIFI	CATE	OF A	NALY	'SIS	A9738226	
SAMPLE	PREP	Mo ppm	Na %	Ni ppm	₿₿Œ ₽	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	T1 ppm	D mada	ppm V	Mdd M	Zn ppm		
M-10-1	205 226	< 1 <	0.01	4	200	6	< 2	1	51	0.04	< 10	< 10	25	< 10	204		-
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Appendix II

**DRILL LOG** 

PROPERTY Gulddrop

DIP TEST

Angle
Footage Reading Corrected

- 5 5 b

Diamond Drill Record

HOLE NoSheet No	Lot
Section	Dep.
Section Date Begun June 25, 1997	Bearing 32/
Dune 30 1997	_

Total Depth 28.96 m

Lagged By G Crooker

Claim Goldesp

Care Size 13 G

DEPTH	DESCRIPTION	SAMPLE No.	FROM	то	WIDTH of SAMPLE		
0-1.52	grey-blue crystalline limestone,						
	1-3% disseminated pyrite, as blebsup						
	to 4mm in diameter, 1/2-1% disceminated	·			·		
	coy as blebs up to 2 mm indiameter						<b></b>
1.52-28.96	broken core, dank grey-green						
	andes te fractured trace to 2/4						
	pyrite on fractuses often oxidized						
	tolimonite						
28.96	End of Hole		<u> </u>				
					ļ		<del></del>
			<u> </u>	<u> </u>	<u> </u>	ļ <u></u>	
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						<u> </u>	

Appendix III

**COST STATEMENT** 

#### **COST STATEMENT**

### **SALARIES**

Murphy Shewchuck, Field Assistant

10 days @ \$ 100.00/day \$ 1000.00

**TRANSPORTATION** 

Vehicle Rental & Gasoline 285.08

DRILL COSTS

Longyear 38 diamond drill
28.96 meters
3,000.00

**GEOCHEMICAL ANALYSIS** 

1 rock sample, 32 element ICP, gold 46.76

PREPARATION OF REPORT

Secretarial, reproduction, telephone, office overhead etc.

300.00 **300.00 4**,661.84