

LOG NO: JUN 17 1991	RD.
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A GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT
ON THE STEELE PROPERTY
GERMANSEN LANDING AREA
CENTRAL BRITISH COLUMBIA, B.C.
NTS 93N/14

OMINECA MINING DIVISION

LATITUDE 55°56'N
LONGITUDE 125°23'W

CYPRUS GOLD (CANADA) LTD.
1810-1055 West Hastings Street,
Vancouver, B.C. V6E 2E9

by
David B. Stevenson
Cyprus Gold (Canada) Ltd.

June 4, 1991

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,420

SUMMARY AND CONCLUSIONS

The Steele property, which is located within the Duckling Creek Syenite - Hogem Batholith area, was investigated for alkalic porphyry type Au-Cu mineralization between July 5 and August 11, 1990. The property was surveyed by reconnaissance-style geological mapping, soil-rock sampling and proton mag surveying.

No significant gold values in soil or rock were encountered on the Steele property. However, the property does host several broad moderate to strong copper anomalies which are hosted within strong potassically altered syenites which may warrant follow-up as a porphyry copper target. Some of these anomalies can be traced for greater than 2300 m along strike and up to 800 meters in width. Copper values range from 300 to 4050 ppm with most values above 500 ppm.

RECOMMENDATIONS

No further work is recommended for gold exploration on the Steele property. However, the property does host several significant copper anomalies, in both soil and rock, and should therefore be further evaluated for its porphyry copper potential.

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1. INTRODUCTION

The Steele property, which is located within the Duckling Creek Syenite, Germansen Landing area, B.C. was investigated for alkalic porphyry type Au-Cu mineralization during the period July 5 to August 11, 1990. The property was investigated by reconnaissance-style geological mapping, soil-rock sampling and proton mag surveying.

No significant Au values were encountered on the Steele property, however several moderate to strong widespread Cu soil anomalies were found to be associated with strong potassically altered syenites.

2. LOCATION AND ACCESS

The Steele property is located 60 kilometers to the northwest of Germansen Landing and 800 kilometers north of Vancouver, British Columbia (Figures 1 and 2). The property is located on NTS map sheet 93N/14.

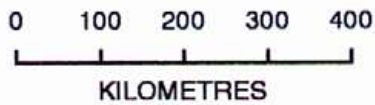
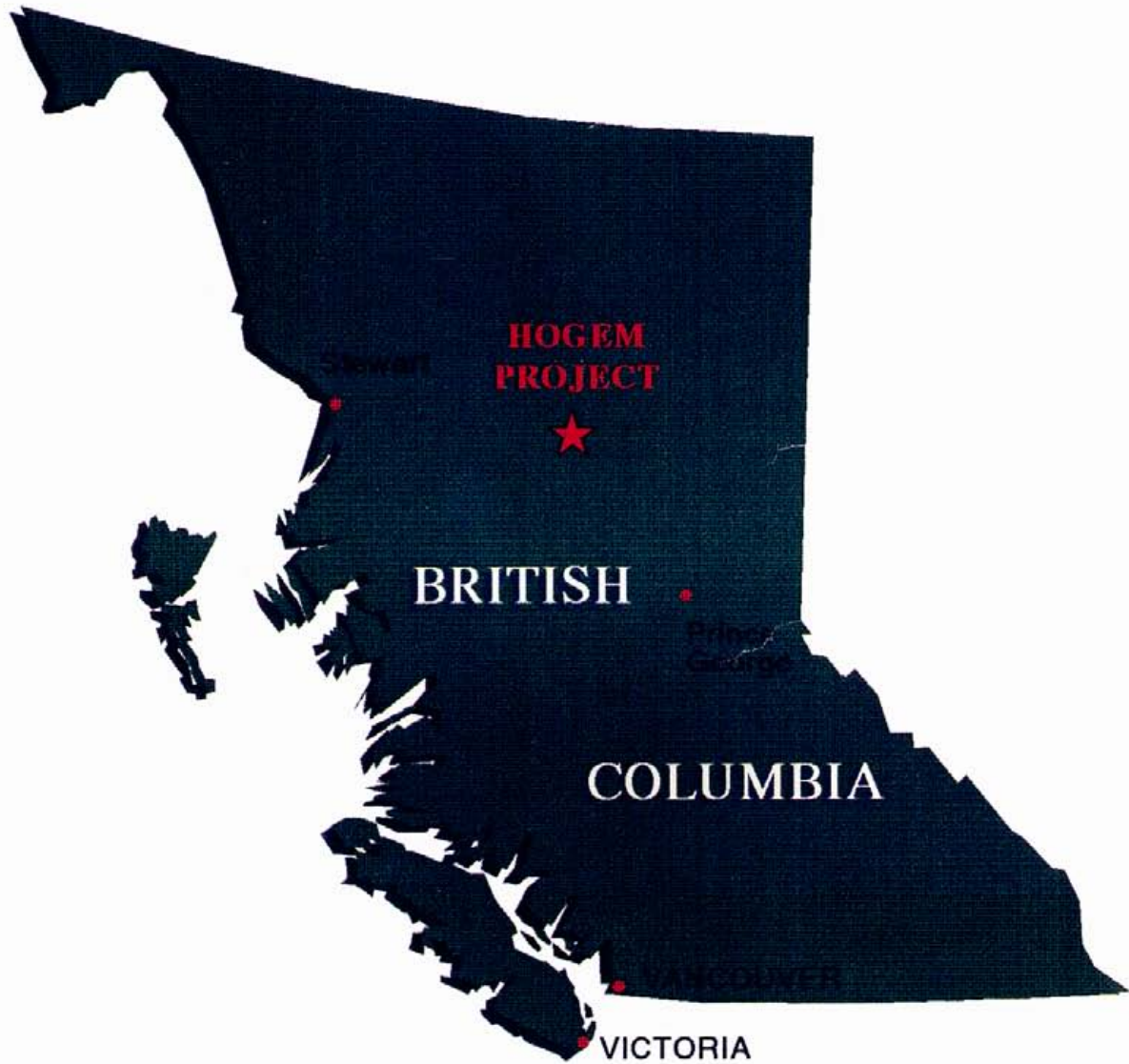
Access is by logging road from either Windy Point or Fort St. James to the Osilinka logging camp a distance of 250 kilometers and 270 kilometers, respectively. From a point near the logging camp a helicopter is then required to access the property.

3. PHYSIOGRAPHIC SETTING

The Steele property is underlain by moderate to steep mountainous terrain. Relief varies from 1200 m to up to 1900 m above sea level. Treeline is generally along the 1600 to 1700 m contour.

Regional drainage direction is eastward towards Williston Lake. Vegetation consists of mature engleman spruce and sub alpine fir some of which is of commercial value. There is active logging being conducted within 2 kilometers of the property.

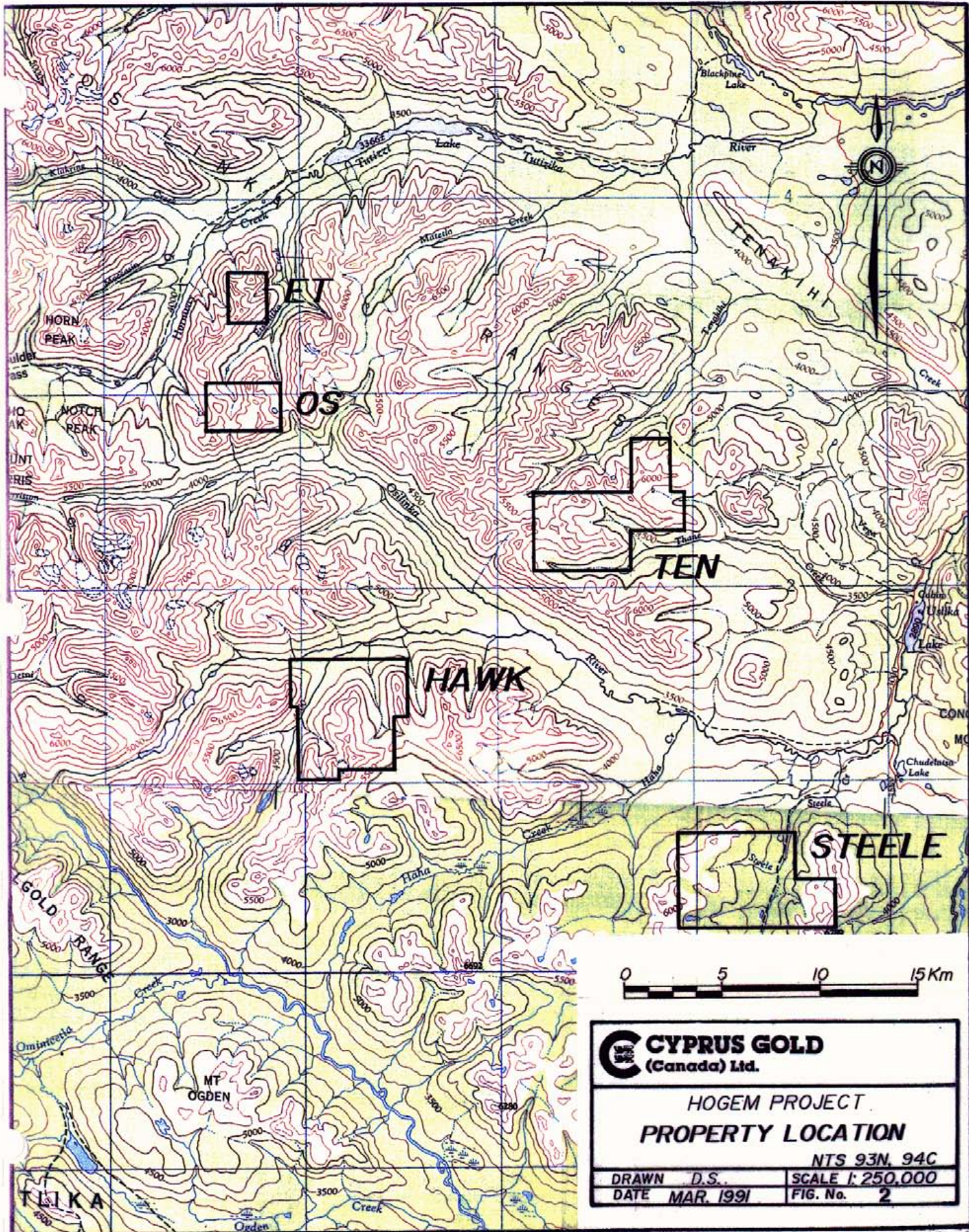
Figure 1 - Project Location Map




HOGEM PROJECT REGIONAL LOCATION MAP



Figure 2 - Property Location Map



 CYPRIUS GOLD (Canada) Ltd.	
HOGEM PROJECT PROPERTY LOCATION NTS 93N, 94C	
DRAWN <i>D.S.</i> DATE <i>MAR. 1991</i>	SCALE 1:250,000 FIG. No. <i>2</i>

4. PROPERTY STATUS AND OWNERSHIP

Listed below are the seven claims comprising the Steele property and some relevant claim information.

<u>CLAIM NAME</u>	<u>NO. OF UNITS</u>	<u>RECORD NO.</u>	<u>EXPIRY DATE</u>
Steelhead 1	20	11772	April 28 1994
Steelhead 2	20	11773	April 28 1994
Steelhead 3	20	11774	April 28 1994
Steelhead 4	20	11775	April 28 1994
Steelhead 5	20	11776	April 28 1994
Steelhead 6	20	11777	April 28 1994
Steelhead 7	<u>20</u>	11778	April 28 1994
	140		

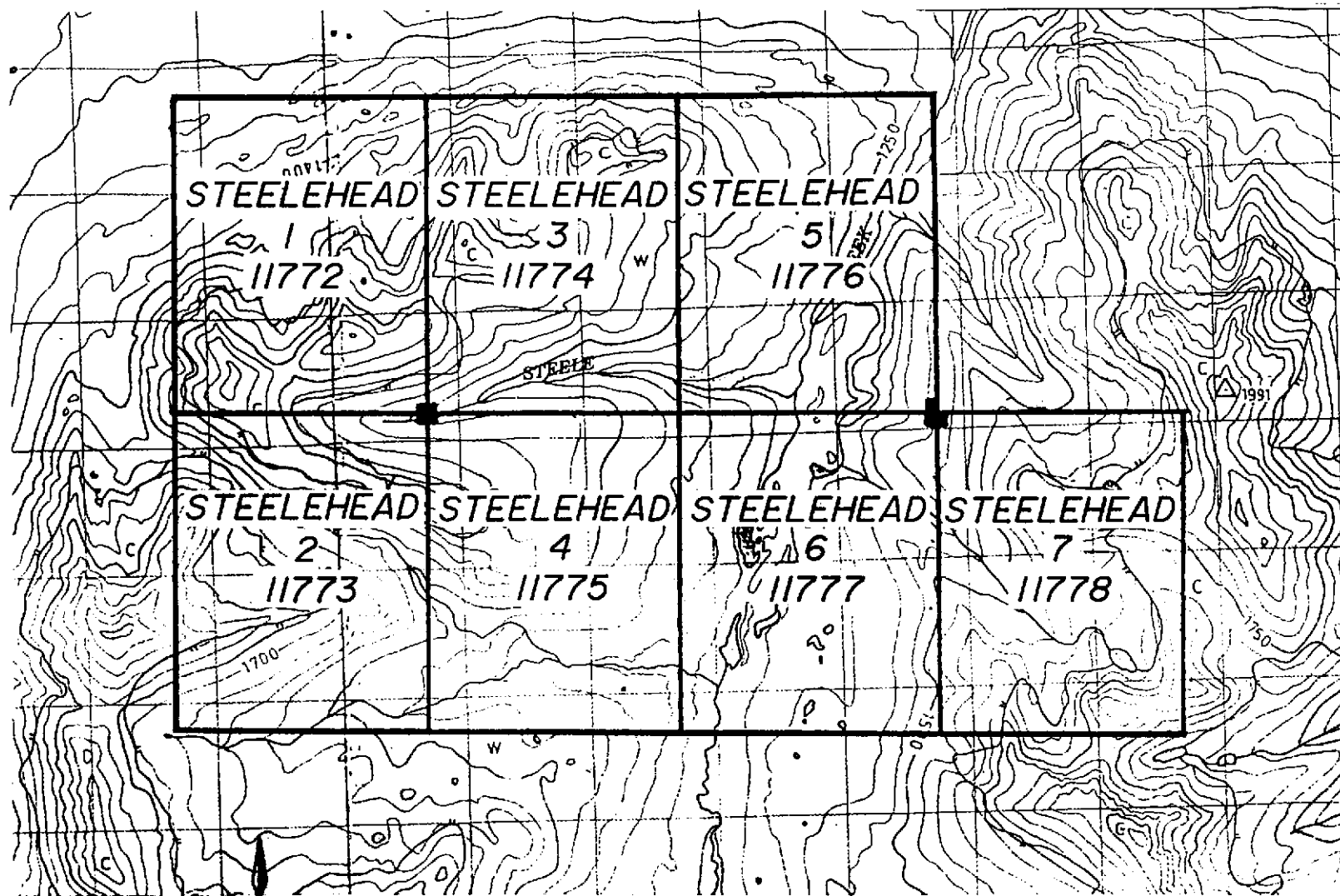
Cyprus Gold (Canada) Ltd, has a 100% undivided interest in the entire claim group (Figure 3).

5. HISTORY AND PREVIOUS WORK

During the summer of 1971 Amoco Canada conducted a reconnaissance stream sediment sampling-mapping program over the Hogem Batholith in search of porphyry Cu-Mo deposits. A total 7376 silts, water, rock, and soil samples were collected from an area of approximately 2400 square kilometers and analyzed for copper and molybdenum. Amoco did not assay for gold in any of these samples. Numerous areas with anomalous Cu and/or Mo in stream sediments were detected. Four areas were staked and worked by Amoco during 1972 to 1974. These areas were known as the Tyger, Needle, Oy and Hawk properties. Property work consisted of reconnaissance and detailed soil sampling and geological mapping.

The latter three properties have recently been in part or entirely restaked by Cyprus and named the Steele, Ten and Hawk properties, respectively.

Figure 3 - Steele Claim Map



HOGEM PROJECT - STEELE PROPERTY
CLAIM MAP

NTS 93N/14

Scale: 1: 50,000



Several other major and junior mining companies were evaluating the Hogem Batholith for porphyry Cu-Mo during the same period of Amoco's evaluation. Numerous occurrences were located and worked during the 1970's. The majority of the Cu occurrences within the Hogem Batholith were noted to be localized with a particular intrusive phase known as Duckling Creek Syenite. The main bulk of the Duckling Creek Syenite is found in the north end of the Hogem Batholith where it trends northwest and has dimensions of approximately 32 kilometers by 6 kilometers. The main Cu occurrences are known as the Hawk (Amoco), Tam (UMEX), Misty (El Paso), Lorraine (Kennco), Dorothy (Kennco), Rondah (Tyee Lake Resources) and Duckling (Donna Mines). There are numerous smaller intrusions of syenite throughout the Hogem Batholith and adjacent volcanics which may also warrant follow-up for their porphyry Au-Cu potential.

6. REGIONAL GEOLOGICAL SETTING

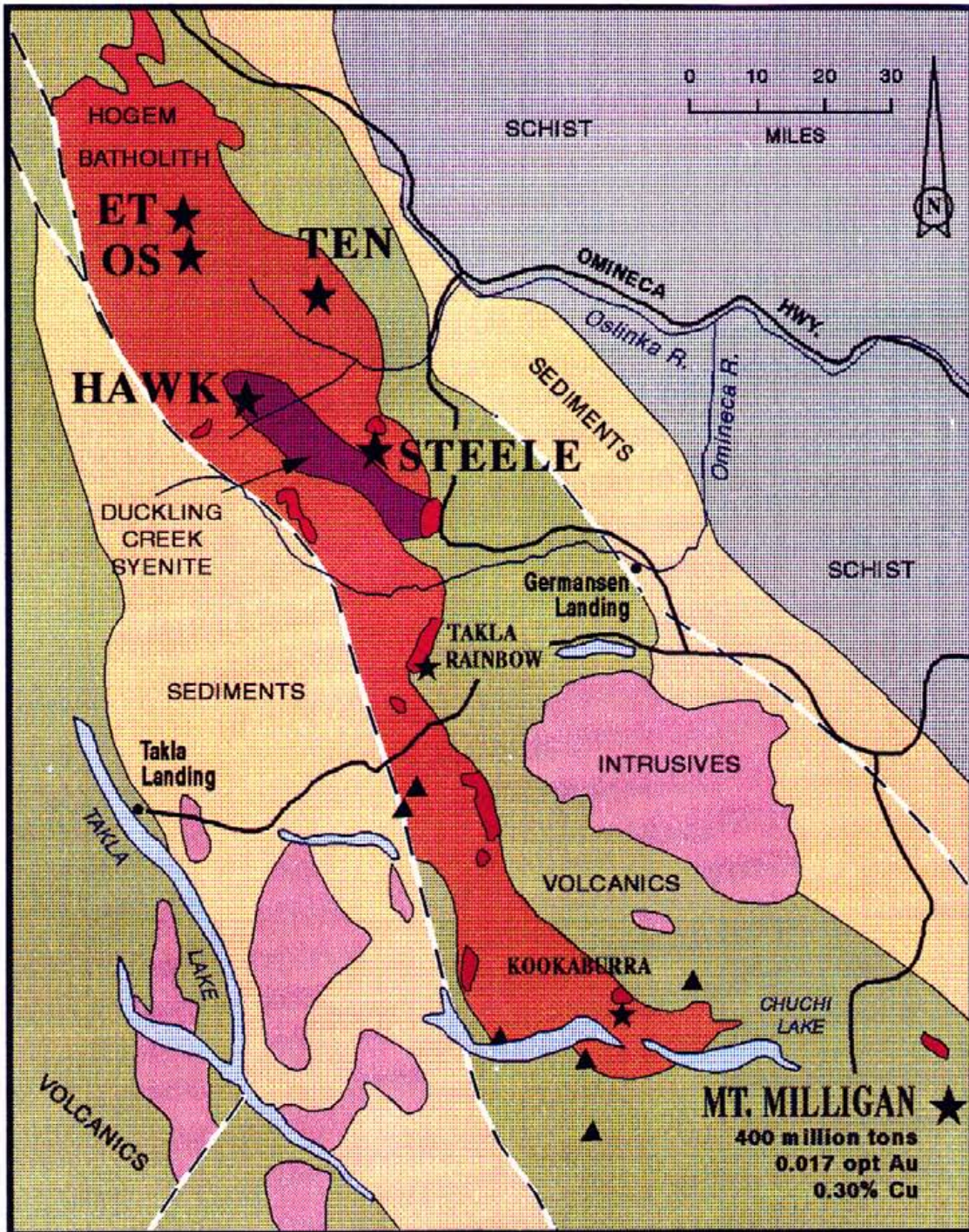
The Steele property is located within the Duckling Creek Syenite (Figure 4). The Duckling Creek Syenite is part of several calc-alkalic and alkalic intrusions comprising the Hogem Batholith. These intrusions are dominated by granites and granodiorites but most importantly by a younger suite of intrusive syenitic bodies. The Hogem Batholith is the largest of the Omineca Intrusions which forms the spine of the island arc related allochthonous Intermontane super terrane in British Columbia. This NW trending elongate batholithic body extends for 120 km from Chuchi Lake in the south to the Misilinka River in the north. It is bordered to the west by the Pinchi Fault and to the east by the Upper Triassic to Lower Jurassic Takla volcanics.

7. 1990 EXPLORATION PROGRAM

A total of 937 soils and 86 rocks were collected on the Steele property during 1990. Ninety kilometers of ground magnetic surveying was also conducted in conjunction with the soil surveying.

Where possible the "B" horizon of the soil profile was collected utilizing a grubhoe or pick. Average hole depth would be 25 centimeters. A composite

Figure 4 - Regional Geology Map



- Fault
- ★ Cu Occurrences
- ▲ Mo Occurrences
- Alkalic Suite Intrusives (Syenite, Syenodiorite, Monzonite)

HOGEM PROJECT REGIONAL GEOLOGY MAP

 **CYPURUS GOLD**
(Canada) Ltd.

sample was then collected and placed in a 10 cm by 25 cm kraft paper envelope. Sample stations were marked on the envelope and their locations were later plotted on a 1:10,000 scale map. In talus material, which was encountered usually above treeline, a composite of the surrounding soil was sieved through a conical metal screen before placed in the kraft envelope. If the terrain permitted, soil sampling was conducted on a 250 m x 75 m grid pattern. However if the terrain was too steep contour sampling was conducted. Spacing between contour lines varied, due to topography, but in most cases did not exceed a 250 m horizontal distance. Sample spacing remained at 75 meters. Grid lines were established by hip chain and compass while contour lines were established using hip chain, compass and an altimeter. All sample stations were appropriately marked and flagged.

All soil and rock samples were analyzed for Au and Cu by wet geochemistry. A small number of samples were analyzed by ICP for Ag, As, Bi, Co, Cu, Mn, Mo, Ni, Pb, Sb, Zn and chromium. All analyses were performed at Min-En Labs located in North Vancouver, B.C. Canada. Gold and copper values have been plotted and contoured. Property geological, geochemical and geophysical maps can be found at the back of the report. Reports on analytical procedures are also found at the back of the report.

All grid and contour soil lines were also surveyed with a proton magnetometer. Readings were taken at the same stations as the soil samples. All mag data was corrected for diurnal drift. Two Scintrex MP-2 proton precession magnetometers, one for each crew of three people, were used for the surveys.

7.1 STEELE PROPERTY

7.1.1 Steele - Reconnaissance Exploration

7.1.1.1 Steele - Recon Geology

Three areas on the Steele property were investigated for their Au-Cu potential. These include the Steele Main, Steele South and Steele North grids.

The majority of the Steele North grid does not occur on Cyprus held ground. At the time the grid was put in it was not known a competitor had previously staked the ground. The results of our survey is presented nevertheless.

Six rock types were observed to be present on the Steele property. These include leucocratic syenite, mesocratic syenite, monzonite, monzodiorite, diorite and mafic volcanics.

The leucocratic syenites are fine to coarse grained to megacrystic massive to porphyritic and light to bright orange-pink in color. The syenites composition consists of primarily potassium feldspar with minor amounts (less than 20%) of biotite and hornblende. The rocks have minor limonite and chlorite alteration associated with it. Locally intense potassic alteration is present in many areas. This rock type does frequently contain minor to locally abundant disseminated pyrite, chalcopyrite, malachite, azurite and bornite. In addition minor to moderate magnetite is present throughout the leucocratic syenite.

The mesocratic syenite is very similar to the leucocratic syenite but tends to be coarser grained and dark orange-pink rather than light orange-pink. Obviously the mafic component, consisting of biotite and hornblende, is higher, generally greater than 20-30 percent. Minor epidote and chlorite alteration and minor magnetite is present. Only rare pyrite and malachite was observed.

The monzonite which is the dominant rock type on the Steele property is similar to the mesocratic syenite but is light to medium grey in color as opposed to dark orange-pink. The monzonite also tends to be invariably medium grained and contains pervasive minor disseminated magnetite. The similarities are its mafic content and its low sulphide content.

As to be expected the monzodiorites are more mafic resulting in a darker grey color. Chlorite and epidote alteration, which may be just retrograde reaction of the mafic components, is slightly stronger and more pervasive. These rocks are medium grained and contain minor to moderate amounts of magnetite.

The diorite, which occurs as two small plug-like bodies, is fine grained, massive, equigranular, dark grey-black and rich in biotite and hornblende. This rock type has a distinctive salt and pepper appearance and contains moderate to abundant magnetite.

The only volcanic rocks in the area are found on the Steele North grid. These rocks are fine grained massive dark grey to black green cherty andesites. They are not magnetic but contain abundant fine grained disseminated pyrite.

As previously indicated the monzonite is the dominant rock type on all three grids and may represent the primary intrusive event in the area. The monzonite is in contact with mafic volcanics in the east which are presumably Upper Triassic to Lower Jurassic Takla volcanics. The sequence of the other intrusive rocks is not known as few contacts were observed. The frequency of the intrusive rocks other than the monzonite, especially on the Steele Main grid, may be purely the result of topography as these rocks appear mainly along the ridge tops. In areas where monzonite is reported there is extensive overburden, therefore many more intrusive types may actually exist.

No significant structural features were observed.

7.1.1.2 Steele - Recon Rock Geochemical Results

A total of 86 rock samples have been taken on the Steele property. None of the samples returned significant gold values. The highest gold encountered is 81 ppb which is from sample number 2400 and located at the north end of grid line 500 W. However there are several samples which are anomalous in copper. These values range between 480 to 5100 ppm copper. These copper values in rock do coincide with high copper values in soil.

7.1.1.3 Steele - Recon Soil Geochemical Results

Gold results in soils are negative for the Steele property. Only random spot highs of up to 155 ppb were encountered. Most values are less than 30 ppb

gold.

Copper values however are moderate to locally strong and are quite extensive on the Steele Main grid. Most of the soil anomalies are concentrated on the ridge tops which parallel the EW trending Steele Creek. The northern anomaly which coincides with the northern ridge top is traceable for 2300 m along strike and is open to the west. Widths vary from less than 75 m to over 800 meters. Values within this anomaly range between 300 to 4050 ppm copper with the majority above 500 ppm copper.

The southern anomaly which is south of the baseline and between line 1250 W and 1000 E is traceable for 2200 m along strike and possibly beyond. Widths vary from less than 75 m to over 600 meters. Values in this anomaly range from 300 to 1350 ppm copper.

Other smaller anomalies are present on the grid but may be surficial anomalies as they occur in depressions and marshy areas.

On the Steele North grid a high of 558 ppm copper was detected. This value was part of an anomaly which is 300 m in length and up to 200 m wide. This anomaly does occur on Cyprus held ground.

At the Steele South grid three spotty copper highs were detected and one broader 2-3 line anomaly. The highest value of 1680 ppm Cu is part of a less than 75 m wide anomaly which is traceable across 300 meters. The broader anomaly is located at the base of a cirque in the south end of the grid. It measures 600 meters by 250 meters and has a high of 700 ppm copper.

7.1.1.4 Steele - Recon Ground Geophysical Results

Due to the reconnaissance nature of the mag survey only general contacts between rock types were outlined. It appears the monzonite, which is the most extensive rock type, has moderate to low magnetic relief while the series of intrusive rocks along the ridge tops have a slightly higher magnetite content and

therefore higher values. As observed in outcrop the mafic volcanics have very low magnetic content relative to other rock types on the property. The contact between the volcanics and intrusives is therefore quite obvious.

Appendix 1 - Steele - Analytical Results for Rocks



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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

0V-0997-RG2

Company: CYPRUS GOLD CANADA
Project: HOGAM
Attn: DAVID STEVENSON

Date: AUG-03-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-FIRE PPB	CU PPM
2254	2	95
2255	1	66
2256	15	17
2257	5	76
2258	1	108
2259	5	17
2260	2	18
2261	1	660
2262	3	1290
2263	2	283
2264	1	21
2265	2	83
2266	4	190
2267	1	31
2268	2	38
2269	1	538
2270	1	48
2271	3	172
2272	2	63
2273	1	81
2274	1	52
2275	3	554
2276	1	153
2277	2	101
2278	1	111
2279	2	48
2280	1	70
2281	4	250
2282	2	28
2283	2	171

Scale

05

Scale

Certified by _____

David Stevenson

MIN-EN LABORATORIES



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Geochemical Analysis Certificate

OV-0997-RG3

Company: CYPRUS GOLD CANADA
Project: HOGAM
Attn: DAVID STEVENSON

Date: AUG-03-90

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 7 ROCK samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-FIRE PPB	CU PPM
2284	1	500
2285	4	265
2289	14	2660
2293	2	10
2415	1	2600
C.S.R. 2339	1	235
C.S.R. 2334	3	135

Certified by _____

MIN-EN LABORATORIES

COMP: CYPRUS GOLD CANADA
 PROJ: HOGEM
 ATTN: D.B.STEVENSON

MIN-EN LABS — ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

FILE NO: OV-1062-RJ1+2
 DATE: 90/08/18
 * ROCK * (ACT:F31)

SAMPLE NUMBER	AG PPM	AS PPM	BI PPM	CD PPM	CO PPM	CU PPM	MN PPM	MO PPM	NI PPM	PB PPM	SB PPM	ZN PPM
02460	1.0	37	1	.1	2	115	372	10	4	15	25	13
02461	2.1	1	1	.1	6	4379	206	18	1	10	1	26
02462	2.2	1	2	.1	31	3530	499	1	1	17	1	44
02601	1.5	1	2	.1	10	851	481	2	1	12	1	28
02602	14.6	33	344	.1	23	19674	2559	21	1	356	17	18
02603	9.4	1	319	.1	18	8372	3053	4	1	181	3	2
02604	3.6	39	21	.1	6	435	326	5	1	58	2	6
02605	1.5	1	10	.1	20	142	1567	1	5	39	1	65
02606	25.8	8	6	.1	6	48	2798	5	12	763	3	70
02607	1.8	1	5	.1	8	28	735	1	1	36	1	40
02608	1.6	1	5	.1	16	258	844	1	1	24	1	49
02609	8.1	1	2	.1	35	5332	1036	3	1	38	1	110
02610	1.0	123	1	.1	7	462	501	7	1	17	5	52
02611	6.8	1	1	.1	7	5141	375	1	1	22	3	43
02612	2.7	1	1	.1	23	5743	529	1	1	20	4	93
02613	4.5	1	93	.1	20	19325	13183	19	4	318	27	78
02614	2.1	1	5	.1	26	2273	2177	1	1	31	1	162
02615	5.8	1	4	.1	60	4567	2103	1	1	25	1	257
02616	3.0	1	4	.1	41	2737	1635	1	1	20	1	212
02617	2.1	1	6	.1	32	663	1942	1	1	15	1	143
02618	1.7	1	4	.1	25	1068	1618	1	1	20	1	186
02619	1.6	1	5	.1	24	517	1777	1	1	11	1	151
02620	3.7	1	1	.1	50	4990	2069	1	1	25	1	218
02621	1.5	1	4	.1	13	516	718	1	1	14	1	43
02622	5.9	1	47	.1	18	3994	8836	10	1	183	1	63
02623	7.3	1	299	.1	19	3124	2410	22	1	654	14	96
02624	1.6	1	14	.1	12	432	302	1	1	36	1	12
02625	1.2	1	4	.1	18	985	183	1	1	20	1	13
02626	1.3	1	3	.1	14	862	300	1	1	23	1	19
02627	1.4	1	5	.1	10	328	536	1	1	19	1	25
02628	1.3	1	1	.2	4	20	725	2	5	43	7	50
AJ-1	1.1	1	1	.1	6	114	269	1	8	24	1	22
AJ-2	1.8	1	3	.1	16	1040	342	4	1	21	1	35
AJ-3	5.4	1	1	1.2	36	12119	362	4	2	30	15	93
AJ-4	2.3	5	2	.1	11	1334	643	1	1	24	5	30
AJ-5	1.8	1	7	.1	26	311	522	1	1	25	1	35
AJ-6	1.3	1	1	.1	4	336	59	1	1	17	11	23
02501	1.1	1	3	.1	13	764	296	1	1	16	1	23
02502	1.4	1	2	.1	12	194	81	28	1	12	1	6
02503	.1	1	1	.2	67	3576	3364	6	13	26	1	146
02504	1.1	1	2	.1	20	1460	265	1	1	18	1	23
02505	1.6	1	1	.1	21	3763	476	1	1	19	1	21
02506	1.5	1	4	.1	18	816	350	1	1	16	1	13
02507	1.6	1	3	.1	15	292	1025	1	1	28	1	81
02508	3.1	3	1	.1	10	3316	935	1	1	27	3	11
02509	10.6	1	32	.1	21	4677	4014	54	1	79	4	26
02510	1.5	3	1	.1	3	3444	1052	3	3	24	4	14
02511	.7	26	2	.1	2	31	268	1	3	14	1	12
02512	1.1	1	3	.1	11	496	257	4	1	16	1	19
02513	.3	14	1	.3	2	21	221	1	1	13	1	24
02514	1.1	1	1	.1	9	975	334	1	1	15	1	13
02515	1.0	1	1	.1	13	1075	49	7	1	15	1	5
02516	.8	44	1	.1	2	28	150	3	5	45	2	4
02517	1.7	1	1	.1	50	2912	133	1	6	19	2	11
02518	3.2	1	1	.1	12	2094	1364	20	12	132	2	46
02465	.5	1	2	.1	12	26	63	4	1	21	1	3
02466	.1	1	2	.1	13	100	67	1	1	20	1	1
02467	1.5	1	6	.1	24	275	529	1	1	19	1	45
2424	1.2	1	4	.1	11	139	376	1	1	15	1	22
2426	1.1	1	4	.1	10	81	498	1	2	15	1	31

B.A.M.L

J.F.L.L

K.W.M.N

S.P.O.N
K.W.M.N



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Geochemical Analysis Certificate

OV-1062-RG1

Company: CYPRUS GOLD
Project: HOGEM
Attn: D.B. STEVENSON

Date: AUG-16-90
Copy 1, CYPRUS GOLD, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted AUG-02-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM	
02460	5	140	
02461	5	5100	Stake
02462	5	4250	
02601	5	860	
02602	20000	24750	
02603	3900	10500	
02604	6500	455	
02605	10	110	
02606	12000	35	
02607	5	16	
02608	5	271	
02609	80	6100	
02610	5	440	
02611	185	5950	Hawk
02612	25	6400	
02613	13500	24000	
02614	110	2200	
02615	90	4700	
02616	65	3100	
02617	10	605	
02618	70	1165	
02619	5	520	
02620	165	6150	
02621	5	463	
02622	22000	4750	
02623	18000	3890	
02624	190	379	
02625	20	985	
02626	30	1025	
02627	5	339	
STD	410		

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FAX (604) 980-8621

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1062-RG2

Company: CYPRUS GOLD
Project: HOGEM
Attn: D.B. STEVENSON

Date: AUG-16-90

Copy 1. CYPRUS GOLD, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted AUG-02-90 by D.B. STEVENSON.

Sample Number	AD-WET PPB	CU PPM	
02628	10	14	<i>Hawk</i>
AJ-1	5	126	
AJ-2	15	1090	
AJ-3	150	16950	
AJ-4	15	1275	<i>Stuck</i>
AJ-5	5	290	
AJ-6	5	300	
02501	30	705	
02502	5	180	
02503	10	4630	
02504	10	1470	
02505	5	3925	
02506	5	785	
02507	25	253	
02508	950	3800	
02509	9500	4875	
02510	35	3650	<i>Hawk</i>
02511	20	24	
02512	5	500	
02513	5	8	
02514	5	1060	
02515	15	1150	
02516	150	7	
02517	10	3210	
02518	70	2450	
02465	15	17	
02466	30	67	<i>Stuck</i>
02467	10	309	
2424	5	146	
2426	5	68	
STD	440		

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Ben J. ...

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SMITHERS LAB.:
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Geochemical Analysis Certificate

OV-1119-RG2

Company: CYPRUS GOLD CANADA
Project: HOGEM
Attn: D.B. STEVENSON

Date: AUG-23-90

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 26 ROCK samples submitted AUG-12-90 by D.B. STEVENSON.

Sample Number	ARSENIC PPB	CADMIUM PPM	
02659	5	28	
02660	5	53	
02661	5	57	
02662	10	84	<i>Fen</i>
02663	5	16	
02664	65	2600	
02665	5	102	
02666	5	77	
02667	5	14	
02519	5	1030	
02520	5	18	
02521	10	192	
02522	5	119	
02523	5	840	
02524	5	83	
02525	140	12500	
02526	5	60	
02527	5	76	<i>Hawk</i>
02528	5	4400	
02529	10	4600	
02530	40	1980	
02531	175	575	
02532	5	500	
02533	5	92	
02463	5	41	
02464	5	35	<i>Steels</i>
STD	440		

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SMITHERS LAB.:
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Geochemical Analysis Certificate

OV-1226-RG1

Company: **CYPRUS GOLD**

Project: **HOGUE**

Attn: **DAVID B. STEVENSON**

Date: **AUG-26-90**

Copy 1. **CYPRUS GOLD, VANCOUVER, B.C.**

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted AUG-21-90 by DAVID B. STEVENSON.

Sample Number	AL-WET PPB	CU PPM	
2534	315	7550	
2535	5	2750	
2536	150	10500	
2537	5	220	
2538	155	14250	ET
2539	40	4350	
2540	40	770	
2541	140	6850	
2542	10	3550	
2543	10	370	
2544	5	1370	
2545	5	28	
2546	5	1030	
2547	5	360	SSW
2548	5	195	
2549	10	98	OSE
2550	5	124	
2551	5	1130	STN
2552	5	330	
2553	5	680	
2554	5	380	
2555	5	1220	
2556	5	82	
2557	10	150	Ten
2558	20	370	
2559	5	218	
2560	25	670	
2561	5	4450	
2562	5	1410	
2563	5	230	
STD	400		

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

0V-1226-RG3

Company: CYPRUS GOLD
Project: HOGEN
Attn: DAVID B. STEVENSON

Date: AUG-29-90

Copy 1. CYPRUS GOLD, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted AUG-21-90 by DAVID B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM	
2684	5	141	
2685	5	148	
2686	5	92	
2687	5	144	
2688	10	9	ONNE
2689	5	136	
2690	5	90	
2691	5	94	
2692	5	5	OSSE
2693	5	7	
2694	90	7700	
2695	5	29	ET
2696	5	68	
2697	10	102	
2698	5	13	
2699	5	105	STS
2700	5	510	
2701	5	210	
2702	5	598	
2703	5	113	
2704	10	77	
2705	5	90	
2706	5	109	STN
2707	5	385	
2708	5	271	
2709	5	89	
2710	5	296	Steele Main
2711	5	325	
2712	10	252	
2713	5	310	Ten
STD	410		

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Appendix 2 - Steele - Analytical Results for Soils



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P.O. BOX 867
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0997-SG1

Company: CYPRUS GOLD CANADA
Project: HOGAM
Attn: DAVID STEVENSON

Date: AUG-03-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	AU-WET PPB	CU PPM
S.L.20+00E 0+00N	5	5	254
S.L.20+00E 0+75N	5	5	31
S.L.20+00E 1+50N (M)	5	5	25
S.L.20+00E 2+25N	5	10	29
S.L.20+00E 3+00N	NO		SAMPLE

S.L.20+00E 3+75N	5	5	42
S.L.20+00E 4+50N	5	5	175
S.L.20+00E 5+25N	5	5	112
S.L.20+00E 6+00N	5	5	142
S.L.20+00E 6+75N	5	5	197

S.L.20+00E 7+50N	5		158
S.L.20+00E 8+25N	5		74
S.L.20+00E 9+00N	5		129
S.L.20+00E 9+75N	5		250
S.L.20+00E 10+50N	5		242

S.L.20+00E 11+25N	5		132
S.L.20+00E 12+00N	5		225
S.L.20+00E 12+75N	5		82
S.L.20+00E 13+50N	5		85
S.L.20+00E 14+25N	5		97

S.L.20+00E 15+00N	5		84
S.L.20+00E 15+75N	5		130
S.L.20+00E 16+50N	10		57
S.L.20+00E 17+25N	5		78
S.L.20+00E 18+00N	5		105

S.L.20+00E 18+75N	5		95
S.L.20+00E 19+50N	5		121
S.L.20+00E 20+25N	5		82
S.L.20+00E 21+00N	5		88
S.L.20+00E 21+75N	5		59

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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0997-SG2

Company: CYPRUS GOLD CANADA
Project: HQGAM
Attn: DAVID STEVENSON

Date: AUG-03-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	AU-WET PPB	CU PPM
S.L. 12+50W 0+00N	5		114
S.L. 12+50W 0+75N	5		137
S.L. 12+50W 1+50N	5		215
S.L. 12+50W 2+25N	5		199
S.L. 12+50W 3+00N	5		76
S.L. 12+50W 3+75N	5		139
S.L. 12+50W 4+50N	5		169
S.L. 12+50W 5+25N	5		501
S.L. 12+50W 6+00N	5		959
S.L. 5+00E 0+75S	5		81
S.L. 5+00E 1+50S	10	5	211
S.L. 5+00E 2+25S	5	5	262
S.L. 5+00E 3+00S	5	10	423
S.L. 5+00E 3+75S	5	5	70
S.L. 5+00E 4+50S	5	5	413
S.L. 5+00E 5+25S	5	5	1350
S.L. 5+00E 6+00S	5	5	849
S.L. 5+00E 6+75S	5	5	304
S.L. 5+00E 7+50S	5	5	329
S.L. 5+00E 8+25S	5	5	181
S.L. 5+00E 9+00S	5		309
S.L. 5+00E 9+75S	5		109
S.L. 5+00E 10+50S	5		151
S.L. 5+00E 11+25S	5		173
S.L. 5+00E 12+00S	5		237
S.L. 5+00E 12+75S	5		98
S.L. 5+00E 13+50S	5		152
S.L. 5+00E 14+25S	5		89
S.L. 5+00E 15+00S	5		225
S.L. 5+00W 0+75N	5		120

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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0997-SG3

Company: CYPRUS GOLD CANADA
Project: HOGAN
Attn: DAVID STEVENSON

Date: AUG-03-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	AU-WET PPB	CU PPM
S.L. 5+00W 1+50N	5		214
S.L. 5+00W 2+25N	5		213
S.L. 5+00W 3+00N	25		440
S.L. 5+00W 3+75N	5		362
S.L. 5+00W 4+50N	5		193

S.L. 5+00W 5+25N	5		133
S.L. 5+00W 6+00N	5		629
S.L. 5+00W 6+75N	5		202
S.L. 5+00W 7+50N	5		434
S.L. 2+50W 0+75N	5		303

S.L. 2+50W 1+50N	NO		SAMPLE
S.L. 2+50W 2+25N	5		134
S.L. 2+50W 3+00N	5		135
S.L. 2+50W 3+75N	5		265
S.L. 2+50W 4+50N	5		212

S.L. 2+50W 5+25N	5		126
S.L. 2+50W 6+00N	5		147
S.L. 2+50W 6+75N	5		230
S.L. 2+50W 7+50N	NO		SAMPLE
S.L. 15+00W B.L.	5		177

S.L. 15+00 0+75N	5	5	138
S.L. 15+00 1+50N	5	5	360
S.L. 15+00 2+25N	5	5	527
S.L. 15+00 3+00N	5	5	384
S.L. 15+00 3+75N	5	10	604

S.L. 15+00 4+50N	10	5	1030
S.L. 15+00 5+25N	5	5	1800
S.L. 15+00 6+00N	5	5	980
S.L. 15+00 6+75N	5	5	1330
S.L. 10+00W B.L.	5	5	292

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TELEPHONE: (705) 264-9896

Geochemical Analysis Certificate

OV-0997-SG4

Company: CYPRUS GOLD CANADA
Project: HOGAM
Attn: DAVID STEVENSON

Date: AUG-03-90

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	AU-WET PPB	AU-FIRE PPB	CU PPM
S.L.10+00W 0+75N	NO	SAMPLE		SAMPLE
S.L.10+00W 1+50N	5			352
S.L.10+00W 2+25N	5			387
S.L.10+00W 3+00N	5			375
S.L.10+00W 3+75N	5			200
S.L.10+00W 4+50N	5			242
S.L.10+00W 5+25N	25			267
S.L.0+00 0+75N	5			561
S.L.0+00 1+50N	20			650
S.L.0+00 2+25N	15			585
S.L.0+00 3+00N	10	5		97
S.L.0+00 3+75N	15	10		62
S.L.0+00 4+50N	5	25		160
S.L.0+00 5+25N	10	5		148
S.L.0+00 6+00N	5	40	22	115
S.L.0+00 6+75N	5	15	9	279
S.L.0+00 7+50N	10	25	16	251
S.L.0+00 8+25N	15	15		850
S.L.0+00 9+00N	5	10		500
S.L.2+50E 0+75S	30	5		900
S.L.2+50E 1+50S	20			196
S.L.2+50E 2+25S	40			250
S.L.2+50E 3+00S	15			425
S.L.2+50E 3+75S	10			392
S.L.2+50E 4+50S	5			345
S.L.2+50E 5+25S	5			1200
S.L.2+50E 6+00S	5			572
S.L.2+50E 6+75S	15			531
S.L.2+50E 7+50S	10			251
S.L.2+50E 8+25S	15			531

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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0997-SG5

Company: CYPRUS GOLD CANADA
Project: HOGAN
Attn: DAVID STEVENSON

Date: AUG-03-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	AU-WET PPB	AU-FIRE PPB	CU PPM
S.L.2+50E 9+00S	10			405
S.L.2+50E 9+75S	5			185
S.L.2+50E 10+50S	5			214
S.L.2+50E 11+25S	5			248
S.L.2+50E 12+00S	5			78

S.L.2+50E 12+75S	5			81
S.L.7+50W 0+75N	5			289
S.L.7+50W 1+50N	10			242
S.L.7+50W 2+25N	5			190
S.L.7+50W 3+00N	5			265

S.L.7+50W 3+75N	5	5		168
S.L.7+50W 4+50N	5	5		191
S.L.7+50W 5+25N	20	15	19	291
S.L.7+50W 6+00N	15	15	10	248
S.L.7+50W 6+75N	10	20	13	1500

S.L.22+50E 0+00N	15	15	11	200
S.L.22+50E 0+75N	30	25	18	95
S.L.22+50E 1+50N	10	25	17	30
S.L.22+50E 2+25N	5	10	6	26
S.L.22+50E 3+00N	5	5		74

S.L.22+50E 3+75N	10			45
S.L.22+50E 4+50N	20			119
S.L.22+50E 5+25N	5			62
S.L.22+50E 6+00N	5			165
S.L.22+50E 6+75N	15			88

S.L.22+50E 7+50N	20			170
S.L.22+50E 8+25N	5			135
S.L.22+50E 9+00N	10			104
S.L.22+50E 9+75N	5			268
S.L.22+50E 10+50N	5			81

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TELEPHONE: (705) 284-9996

Geochemical Analysis Certificate

OV-0997-SG6

Company: **CYPRUS GOLD CANADA**
Project: **HOGAM**
Attn: **DAVID STEVENSON**

Date: **AUG-03-90**

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

He hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	AU-WET PPB	CU PPM
S.L. 22+50E 11+25N	5	5	126
S.L. 22+50E 12+00N	5	5	155
S.L. 22+50E 12+75N	15	10	160
S.L. 22+50E 13+50N	15	15	54
S.L. 22+50E 14+25N	10	5	78
S.L. 22+50E 15+00N	5	5	114
S.L. 22+50E 15+75N	20	15	115
S.L. 22+50E 16+50N	5	5	116
S.L. 22+50E 17+25N	5	5	78
S.L. 22+50E 18+00N	5	5	64
S.L. 22+50E 18+75N	5		85
S.L. 22+50E 19+50N	5		174
S.L. 22+50E 20+25N	5		223
S.L. 22+50E 21+00N	5		324
S.L. 22+50E 21+75N	5		199
S.L. 25+00E 0+75N	5		48
S.L. 25+00E 1+50N	15		41
S.L. 25+00E 2+25N	5		61
S.L. 25+00E 3+00N	5		63
S.L. 25+00E 3+75N	10		83
S.L. 25+00E 4+50N	5		390
S.L. 25+00E 5+25N	10		461
S.L. 25+00E 6+00N	10		335
S.L. 25+00E 6+75N	5		220
S.L. 25+00E 7+50N	5		242
S.L. 25+00E 8+25N	ND		SAMPLE
S.L. 25+00E 9+00N	5		110
S.L. 25+00E 9+75N	5		122
S.L. 25+00E 10+50N	10		134
S.L. 25+00E 11+25N	5		152

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TIMMINS OFFICE:
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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

0V-0997-SG7

Company: CYPRUS GOLD CANADA
Project: HOGAN
Attn: DAVID STEVENSON

Date: AUG-03-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	AU-WET PPB	AU-FIRE PPB	CU PPM
S.L. 25+00E 12+00N	5			141
S.L. 25+00E 12+75N	5			120
S.L. 25+00E 13+50N	5			133
S.L. 25+00E 14+25N	5			192
S.L. 25+00E 15+00N	5			202

S.L. 25+00E 15+75N	5			96
S.L. 25+00E 16+50N	5			108
S.L. 25+00E 17+25N	5			209
S.L. 25+00E 18+00N	5			135
S.L. 25+00E 18+75N	5			121

S.L. 25+00E 19+50N	10	5		107
S.L. 25+00E 20+25N	5	5		144
S.L. 25+00E 21+00N	5	5		122
S.L. 25+00E 21+75N	5	5		190
S.L. 25+00E 22+50N	5	5	2	193

S.L. 25+00E 23+25N	10	10	16	203
S.L. 25+00E 24+00N	10	5	10	121
S.L. 25+00E 24+75N	10	15	9	204
S.L. 0+00 0+00S	5	5		860
S.L. 0+00 0+75S	5	5		232

S.L. 0+00 1+50S	5			211
S.L. 0+00 2+25S	15			104
S.L. 0+00 3+00S	5			121
S.L. 0+00 3+75S	5			220
S.L. 0+00 4+50S	5			222

S.L. 0+00 5+25S	5			550
S.L. 0+00 6+00S	5			134
S.L. 0+00 6+75S	5			342
S.L. 0+00 7+50S	10			204
S.L. 0+00 8+25S	5			233

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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0997-SG8

Company: CYPRUS GOLD CANADA
Project: HOGAM
Attn: DAVID STEVENSON

Date: AUG-02-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

He hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L.0+00 9+00S	5	68
S.L.0+00 9+75S	5	87
S.L.0+00 10+50S	5	152
S.L.2+50W 0+00S	5	201
S.L.2+50W 0+75S	5	95

S.L.2+50W 1+50S	10	164
S.L.2+50W 2+25S	5	245
S.L.2+50W 3+00S	5	168
S.L.2+50W 3+75S	5	671
S.L.2+50W 4+50S	5	547

S.L.2+50W 5+25S	5	958
S.L.2+50W 6+00S	5	840
S.L.2+50W 6+75S	5	184
S.L.2+50W 7+50S	10	418
S.L.2+50W 8+25S	5	125

S.L.2+50W 9+00S	5	345
S.L.5+00W 0+00S	5	210
S.L.5+00W 0+75S	5	277
S.L.5+00W 1+50S	5	186
S.L.5+00W 2+25S	5	413

S.L.5+00W 3+00S	5	936
S.L.5+00W 3+75S	5	330
S.L.5+00W 4+50S	5	672
S.L.5+00W 5+25S	5	342
S.L.5+00W 6+00S	5	314

S.L.5+00W 6+75S	5	108
S.L.5+00W 7+50S	10	99
S.L.5+00W 8+25S	5	123
S.L.5+00W 9+00S	5	605
S.L.7+50W 0+00S	5	86

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Geochemical Analysis Certificate

OV-05997-889

Company: CYPRUS GOLD CANADA
Project: HOGAM
Attn: DAVID STEVENSON

Date: AUG-03-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L.7+50W 0+75S	5	180
S.L.7+50W 1+50S	10	203
S.L.7+50W 2+25S	5	132
S.L.7+50W 3+00S	10	33
S.L.7+50W 3+75S	5	310

S.L.7+50W 4+50S	5	204
S.L.7+50W 5+25S	10	250
S.L.7+50W 6+00S	5	312
S.L.7+50W 6+75S	5	473
S.L.7+50W 7+50S	5	131

S.L.7+50W 8+25S	20	513
S.L.13+75E 0+00S	5	357
S.L.13+75E 0+75S	NO	SAMPLE
S.L.13+75E 1+50S	5	308
S.L.13+75E 2+25S	5	380

S.L.13+75E 3+00S	30	286
S.L.13+75E 3+75S	5	270
S.L.13+75E 4+50S	5	340
S.L.13+75E 5+25S	10	289
S.L.13+75E 6+00S	5	246

S.L.13+75E 6+75S	NO	SAMPLE
S.L.13+75E 7+50S	5	290
S.L.13+75E 8+25S	5	210
S.L.13+75E 9+00S	5	92
S.L.13+75E 9+75S	NO	SAMPLE

S.L.13+75E 10+50S	5	143
S.L.13+75E 11+25S	NO	SAMPLE
S.L.13+75E 12+00S	5	168
S.L.13+75E 12+75S	5	119
S.L.13+75E 13+50S	5	51

STD	470	

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SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-0997-SG10

Company: CYPRUS GOLD CANADA
Project: HOGAM
Attn: DAVID STEVENSON

Date: AUG-06-90

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 28 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L.13+75E 14+00S	5	48
S.L.7+50E 0+00N	10	165
S.L.7+50E 0+75N	5	164
S.L.7+50E 1+50N	5	175
S.L.7+50E 2+25N	5	121
S.L.7+50E 3+00N	5	273
S.L.7+50E 3+75N	5	681
S.L.7+50E 4+50N	5	72
S.L.7+50E 5+25N	15	243
S.L.7+50E 6+00N	5	192
S.L.7+50E 6+75N	5	94
S.L.7+50E 7+50N	10	112
S.L.7+50E 8+25N	5	102
S.L.7+50E 9+00N	25	88
S.L.7+50E 9+75N	5	56
S.L.7+50E 10+50N	5	112
S.L.7+50E 11+25N	5	150
S.L.7+50E 12+00N	5	57
S.L.7+50E 12+75N	5	89
S.L.7+50E 13+50N	5	72
S.L.11+25E 0+00S	10	513
S.L.11+25E 0+75S	NO	SAMPLE
S.L.11+25E 1+50S	NO	SAMPLE
S.L.11+25E 2+25S	5	249
S.L.11+25E 3+00S	5	166
S.L.11+25E 3+75S	5	85
S.L.11+25E 4+50S	5	182
S.L.11+25E 5+25S	5	176
S.L.11+25E 6+00S	5	297
S.L.11+25E 6+75S	5	580

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SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-0997-SG11

Company: CYPRUS GOLD CANADA
Project: HOGAM
Attn: DAVID STEVENSON

Date: AUG-06-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 29 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L. 11+25E 7+50S	5	230
S.L. 11+25E 8+25S	5	564
S.L. 11+25E 9+00S	5	710
S.L. 11+25E 9+75S	5	459
S.L. 11+25E 10+50S	5	424

S.L. 11+25E 11+25S	5	138
S.L. 11+25E 12+00S	5	78
S.L. 11+25E 12+75S	5	38
S.L. 11+25E 13+50S	5	178
S.L. 11+25E 14+25S	5	71

S.L. 5+00E 0+75N	5	931
S.L. 5+00E 1+50N	5	260
S.L. 5+00E 2+25N	5	399
S.L. 5+00E 3+00N	5	360
S.L. 5+00E 3+75N	5	610

S.L. 5+00E 4+50N	NO	SAMPLE
S.L. 5+00E 5+25N	5	280
S.L. 5+00E 6+00N	5	325
S.L. 5+00E 6+75N	5	226
S.L. 5+00E 7+50N	5	35

S.L. 5+00E 8+25N	10	50
S.L. 5+00E 9+00N	5	136
S.L. 5+00E 9+75N	5	217
S.L. 5+00E 10+50N	10	132
S.L. 5+00E 11+25N	5	300

S.L. 5+00E 12+00N	5	80
S.L. 5+00E 12+75N	5	38
S.L. 5+00E 13+50N	5	75
S.L. 5+00E 14+25N	5	106
S.L. 10+00E 0+00	5	566

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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0997-SG12

Company: **CYPRUS GOLD CANADA**
Project: **HOGAM**
Attn: **DAVID STEVENSON**

Date: **AUG-03-90**

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 18 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L. 10+00E 0+75	10	190
S.L. 10+00E 1+50	5	140
S.L. 10+00E 2+25	5	176
S.L. 10+00E 3+00	5	98
S.L. 10+00E 3+75	5	212

S.L. 10+00E 4+50	5	276
S.L. 10+00E 5+25	5	600
S.L. 10+00E 6+00	5	101
S.L. 10+00E 6+75	5	213
S.L. 10+00E 7+50	5	292

S.L. 10+00E 8+25	5	174
S.L. 10+00E 9+00	15	139
S.L. 10+00E 9+75	5	75
S.L. 10+00E 10+50N	NO	SAMPLE
S.L. 10+00E 11+25N	5	345

S.L. 10+00E 12+00N	5	189
S.L. 10+00E 12+75N	5	121
S.L. 10+00E 13+50N	5	152

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-0997-SG13

Company: CYPRUS GOLD CANADA
Project: HOGAM
Attn: DAVID STEVENSON

Date: AUG-06-90
Copy 1, CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 29 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L.12+50E 0+00N	5	370
S.L.12+50E 0+75N	5	273
S.L.12+50E 1+50N	5	304
S.L.12+50E 2+25N	5	288
S.L.12+50E 3+00N	5	117
S.L.12+50E 3+75N	5	80
S.L.12+50E 4+50N	5	178
S.L.12+50E 5+25N	5	368
S.L.12+50E 6+00N	5	60
S.L.12+50E 6+75N	5	148
S.L.12+50E 7+50N	5	125
S.L.12+50E 8+25N	5	101
S.L.12+50E 9+00N	5	282
S.L.12+50E 9+75N	5	54
S.L.12+50E 10+50N	5	147
S.L.12+50E 11+25N	5	602
S.L.12+50E 12+00N	5	185
S.L.12+50E 12+75N	5	77
S.L.12+50E 13+50N	5	218
S.L.12+50E 14+25N	5	91
S.L.12+50E 15+00N	5	138
S.L.12+50E 15+75N	5	166
S.L.12+50E 16+50N	5	142
S.L.12+50E 17+25N	5	227
S.L.12+50E 18+00N	5	196
S.L.12+50E 18+75N	5	109
S.L.12+50E 19+50N	5	162
S.L.12+50E 20+25N	5	79
S.L.12+50E 21+00N	NO	SAMPLE
S.L.12+50E 21+75N	5	244

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Geochemical Analysis Certificate

OV-0997-SG14

Company: CYPRUS GOLD CANADA
Project: HOGAM
Attn: DAVID STEVENSON

Date: AUG-07-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 29 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L.12+50E 22+50N	5	122
S.L.12+50E 23+25N	5	590
S.L.17+50E 0+00N	5	51
S.L.17+50E 0+75N	5	54
S.L.17+50E 1+50N	10	81

S.L.17+50E 2+25N	5	58
S.L.17+50E 3+00N	5	183
S.L.17+50E 3+75N	5	160
S.L.17+50E 4+50N	10	185
S.L.17+50E 5+25N	5	98

S.L.17+50E 6+00N	5	79
S.L.17+50E 6+75N	5	105
S.L.17+50E 7+50N	5	274
S.L.17+50E 8+25N	5	140
S.L.17+50E 9+00N	10	193

S.L.17+50E 9+75N	5	207
S.L.17+50E 10+50N	5	137
S.L.17+50E 11+25N	5	164
S.L.17+50E 12+00N	5	55
S.L.17+50E 12+75N	10	450

S.L.17+50E 13+50N	5	77
S.L.17+50E 14+25N	5	163
S.L.17+50E 15+00N	5	192
S.L.17+50E 15+75N	10	108
S.L.17+50E 16+50N	5	183

S.L.17+50E 17+25N	5	91
S.L.17+50E 18+00N	20	73
S.L.17+50E 18+75N	5	62
S.L.17+50E 19+50N	5	53
S.L.17+50E 20+25N	NO	SAMPLE

STD	410	

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SMITHERS LAB.:
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Geochemical Analysis Certificate

OV-0997-SG15

Company: **CYPRUS GOLD CANADA**
Project: **HOGAM**
Attn: **DAVID STEVENSON**

Date: **AUG-07-90**
Copy 1. **CYPRUS GOLD CANADA, VANCOUVER, B.C.**

He hereby certify the following Geochemical Analysis of 29 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L.17+50E 21+00N	10	64
S.L.17+50E 21+75N	5	69
S.L.17+50E 22+50N	5	53
S.L.15+00E 0+00N	5	248
S.L.15+00E 0+75N	5	417

S.L.15+00E 1+50N	10	361
S.L.15+00E 2+25N	5	173
S.L.15+00E 3+00N	5	481
S.L.15+00E 3+75N	10	104
S.L.15+00E 4+50N	5	140

S.L.15+00E 5+25N	10	58
S.L.15+00E 6+00N	5	63
S.L.15+00E 6+75N	NO	SAMPLE
S.L.15+00E 7+50N	5	261
S.L.15+00E 8+25N	5	89

S.L.15+00E 9+00N	5	56
S.L.15+00E 9+75N	10	123
S.L.15+00E 10+50N	10	111
S.L.15+00E 11+25N	5	115
S.L.15+00E 12+00N	5	138

S.L.15+00E 12+75N	5	94
S.L.15+00E 13+50N	10	122
S.L.15+00E 14+25N	5	123
S.L.15+00E 15+00N	5	145
S.L.15+00E 15+75N	10	86

S.L.15+00E 16+50N	5	122
S.L.15+00E 17+25N	5	78
S.L.15+00E 18+00N	5	83
S.L.15+00E 18+75N	5	100
S.L.15+00E 19+50N	10	160

STD	440	

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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

0V-0997-SG16

Company: CYPRUS GOLD CANADA
Project: HOGAN
Attn: DAVID STEVENSON

Date: AUG-03-90

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L. 15+00E 20+25N	5	74
S.L. 15+00E 21+00N	5	71
S.L. 15+00E 21+75N	5	271
S.L. 15+00E 22+50N	5	108
S.L. 12+50E 0+00S	10	315
S.L. 12+50E 0+75S	5	395
S.L. 12+50E 1+50S	5	262
S.L. 12+50E 2+25S	5	139
S.L. 12+50E 3+00S	5	247
S.L. 12+50E 3+75S	10	131
S.L. 12+50E 4+50S	5	198
S.L. 12+50E 5+25S	5	378
S.L. 12+50E 6+00S	5	324
S.L. 12+50E 6+75S	5	260
S.L. 12+50E 7+50S	20	140
S.L. 12+50E 8+25S	10	224
S.L. 12+50E 9+00S	5	125
S.L. 12+50E 9+75S	5	120
S.L. 12+50E 10+50S	5	126
S.L. 12+50E 11+25S	5	127
S.L. 12+50E 12+00S	5	36
S.L. 12+50E 12+75S	10	55
S.L. 12+50E 13+50S	5	52
S.L. 12+50E 14+25S	15	116
S.L. 12+50E 15+00S	5	55
S.L. 12+50E 15+75S	10	186
S.L. 12+50E 16+50S	10	133
S.L. 17+50E 0+00S	5	73
S.L. 17+50E 0+75S	5	165
S.L. 17+50E 1+50S	5	185

STD 395

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-0997-SG17

Company: CYPRUS GOLD CANADA
Project: HDGAM
Attn: DAVID STEVENSON

Date: AUG-07-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 28 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L.17+50E 2+25S	5	131
S.L.17+50E 3+00S	5	188
S.L.17+50E 3+75S	10	331
S.L.17+50E 4+50S	5	81
S.L.17+50E 5+25S	10	203
S.L.17+50E 6+00S	20	261
S.L.17+50E 6+75S	10	170
S.L.17+50E 7+50S	5	204
S.L.17+50E 8+25S	5	42
S.L.17+50E 9+00S	10	164
S.L.17+50E 9+75S	10	113
S.L.17+50E 10+50E	NO	SAMPLE
S.L.17+50E 11+25E	5	55
S.L.17+50E 12+00E	5	23
S.L.17+50E 12+75E	30	68
S.L.17+50E 13+50E	5	33
S.L.17+50E 14+25E	10	54
S.L.17+50E 15+00E	10	20
S.L.17+50E 15+75E	5	27
S.L.17+50E 16+50E	5	71
S.L.17+50E 17+25E	5	52
S.L.20+00E 0+00S	NO	SAMPLE
S.L.20+00E 0+75S	10	183
S.L.20+00E 1+50S	5	210
S.L.20+00E 2+25S	5	123
S.L.20+00E 3+00S	5	145
S.L.20+00E 3+75S	5	276
S.L.20+00E 4+50S	10	101
S.L.20+00E 5+25S	5	64
S.L.20+00E 6+00S	5	62
STD	430	

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SMITHERS LAB.:
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Geochemical Analysis Certificate

OV-0997-SG18

Company: CYPRUS GOLD CANADA
Project: HOGAM
Attn: DAVID STEVENSON

Date: AUG-06-90

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

He hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L.20+00E 6+75S	5	18
S.L.20+00E 7+50S	5	178
S.L.20+00E 8+25S	5	58
S.L.20+00E 9+00S	5	100
S.L.20+00E 9+75S	5	76
S.L.20+00E 10+50S	5	180
S.L.20+00E 11+25S	5	112
S.L.20+00E 12+00S	5	92
S.L.20+00E 12+75S	5	48
S.L.20+00E 13+50S	5	65
J.L.20+00E 14+25S	5	55
S.L.20+00E 15+00S	5	43
S.L.20+00E 15+75S	5	88
S.L.20+00E 16+50S	5	54
S.L.7+50E 0+00S	5	114
S.L.7+50E 0+75S	5	83
S.L.7+50E 1+50S	5	351
S.L.7+50E 2+25S	5	239
S.L.7+50E 3+00S	5	515
S.L.7+50E 3+75S	5	750
S.L.7+50E 4+50S	5	698
S.L.7+50E 5+25S	5	224
S.L.7+50E 6+00S	5	190
S.L.7+50E 6+75S	5	139
S.L.7+50E 7+50S	5	278
S.L.7+50E 8+25S	5	370
S.L.7+50E 9+00S	5	136
S.L.7+50E 9+75S	5	70
S.L.7+50E 10+50S	5	44
S.L.7+50E 11+25S	5	145

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FAX (807) 623-5931

SMITHERS LAB.:
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Geochemical Analysis Certificate

OV-0997-SG19

Company: **CYPRUS GOLD CANADA**
Project: **HOGAM**
Attn: **DAVID STEVENSON**

Date: **AUG-07-90**
Copy 1, **CYPRUS GOLD CANADA, VANCOUVER, B.C.**

We hereby certify the following Geochemical Analysis of 28 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L.7+50E 12+00S	5	102
S.L.7+50E 12+75S	10	45
S.L.7+50E 13+50S	5	110
S.L.7+50E 14+25S	5	118
S.L.10+00E 0+75S	5	310
S.L.10+00E 1+50S	5	196
S.L.10+00E 2+25S	5	203
S.L.10+00E 3+00S	5	168
S.L.10+00E 3+75S	5	247
S.L.10+00E 4+50S	5	181
S.L.10+00E 5+25S	5	98
S.L.10+00E 6+00S	5	156
S.L.10+00E 6+75S	5	53
S.L.10+00E 7+50S	5	197
S.L.10+00E 8+25S	5	107
S.L.10+00E 9+00S	5	603
S.L.10+00E 9+75S	5	950
S.L.10+00E 10+50S	5	233
S.L.10+00E 11+25S	5	68
S.L.10+00E 12+00S	5	210
S.L.10+00E 12+75S	5	53
S.L.10+00E 13+50S	10	109
S.L.10+00E 14+25S	5	74
S.L.10+00E 15+00S	5	82
S.L.10+00E 15+75S	NO	SAMPLE
S.L.10+00E 16+50S	NO	SAMPLE
S.L.10+00E 17+25S	35	206
S.L.25+00E 0+00S	5	66
S.L.25+00E 0+75S	5	50
S.L.25+00E 1+50S	5	70
STD	450	

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Geochemical Analysis Certificate

OV-0997-SG20

Company: CYPRUS GOLD CANADA
Project: HOGAM
Attn: DAVID STEVENSON

Date: AUG-07-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

He hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L. 25+00E 2+25S	5	51
S.L. 25+00E 3+00S	5	88
S.L. 25+00E 3+75S	5	12
S.L. 25+00E 4+50S	5	53
S.L. 25+00E 5+25S	5	58
S.L. 25+00E 6+00S	5	55
S.L. 25+00E 6+75S	5	52
S.L. 25+00E 7+50S	5	77
S.L. 25+00E 8+25S	5	86
S.L. 25+00E 9+00S	5	30
S.L. 25+00E 9+75S	5	75
S.L. 25+00E 10+50S	5	35
S.L. 25+00E 11+25S	5	92
S.L. 25+00E 12+00S	5	65
S.L. 25+00E 12+75S	5	56
S.L. 25+00E 13+50S	10	70
S.L. 25+00E 14+25S	5	85
S.L. 25+00E 15+00S	5	110
S.L. 25+00E 15+75S	20	50
S.L. 25+00E 16+50S	5	52
S.L. 25+00E 17+25S	5	102
S.L. 22+50E 0+00S	5	142
S.L. 22+50E 0+75S	5	152
S.L. 22+50E 1+50S	5	130
S.L. 22+50E 2+25S	10	50
S.L. 22+50E 3+00S	5	60
S.L. 22+50E 3+75S	5	175
S.L. 22+50E 4+50S	5	45
S.L. 22+50E 5+25S	5	57
S.L. 22+50E 6+00S	5	36

STD 460

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (804) 847-3004

Geochemical Analysis Certificate

0V-0997-SG21

Company: **CYPRUS GOLD CANADA**
Project: **HOGAM**
Attn: **DAVID STEVENSON**

Date: **AUG-07-90**

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 29 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L.22+50E 6+75S	5	34
S.L.22+50E 7+50S	5	21
S.L.22+50E 8+25S	5	58
S.L.22+50E 9+00S	5	61
S.L.22+50E 9+75S	5	21

S.L.22+50E 10+50S	10	43
S.L.22+50E 11+25S	NO	SAMPLE
S.L.22+50E 12+00S	5	78
S.L.22+50E 12+75S	5	44
S.L.22+50E 13+50S	5	42

S.L.22+50E 14+25S	5	30
S.L.22+50E 15+00S	5	19
S.L.22+50E 15+75S	5	79
S.L.22+50E 16+50S	5	68
S.L.22+50E 17+25S	5	27

S.L.27+50E 0+00N	10	24
S.L.27+50E 0+75N	10	25
S.L.27+50E 1+50N	5	49
S.L.27+50E 2+25N	5	51
S.L.27+50E 3+00N	5	30

S.L.27+50E 3+75N	5	48
S.L.27+50E 4+50N	5	139
S.L.27+50E 5+25N	5	64
S.L.27+50E 6+00N	5	286
S.L.27+50E 6+75N	5	158

S.L.27+50E 7+50N	5	120
S.L.27+50E 8+25N	5	116
S.L.27+50E 9+00N	5	64
S.L.27+50E 9+75N	5	87
S.L.27+50E 10+50N	5	106

STD	420	

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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0997-SG22

Company: **CYPRUS GOLD CANADA**
Project: **HQGAM**
Attn: **DAVID STEVENSON**

Date: **AUG-07-90**
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L. 27+50E 11+25N	10	85
S.L. 27+50E 12+00N	5	117
S.L. 27+50E 12+75N	5	178
S.L. 27+50E 13+50N	5	87
S.L. 27+50E 14+25N	5	83

S.L. 27+50E 15+00N	5	141
S.L. 27+50E 15+75N	5	160
S.L. 27+50E 16+50N	5	137
S.L. 27+50E 17+25N	5	142
S.L. 27+50E 18+00N	5	170

S.L. 27+50E 18+75N	5	117
S.L. 27+50E 19+50N	15	79
S.L. 27+50E 20+25N	25	355
S.L. 27+50E 21+00N	10	161
S.L. 27+50E 21+75N	5	142

S.L. 27+50E 22+50N	5	80
S.L. 27+50E 23+25N	5	71
S.L. 27+50E 24+00N	5	74
S.L. 27+50E 24+75N	5	83
S.L. 12+50W 0+00S	5	121

S.L. 12+50W 0+75S	5	331
S.L. 12+50W 1+50S	5	246
S.L. 12+50W 2+25S	5	181
S.L. 12+50W 3+00S	10	161
S.L. 12+50W 3+75S	10	257

S.L. 12+50W 4+50S	5	352
S.L. 12+50W 5+25S	5	307
S.L. 12+50W 6+00S	5	60
S.L. 10+00W 0+00	5	391
S.L. 10+00W 0+75	5	110

STD 460

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TIMMINS OFFICE:
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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0997-SG23

Company: **CYPRUS GOLD CANADA**
Project: **HOGAM**
Attn: **DAVID STEVENSON**

Date: **AUG-08-90**
Copy 1. **CYPRUS GOLD CANADA, VANCOUVER, B.C.**

We hereby certify the following Geochemical Analysis of 28 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L.10+00W 1+50	5	382
S.L.10+00W 2+25	NO	SAMPLE
S.L.10+00W 3+00	5	870
S.L.10+00W 3+75	5	280
S.L.10+00W 4+50	5	735

S.L.10+00W 5+25	5	108
S.L.10+00W 6+00	5	106
S.L.10+00W 6+75	15	49
S.L.10+00W 7+50	10	203
S.L.15+00E 0+00S	5	246

S.L.15+00E 0+75S	30	238
S.L.15+00E 1+50S	5	311
S.L.15+00E 2+25S	NO	SAMPLE
S.L.15+00E 3+00S	15	383
S.L.15+00E 3+75S	5	291

S.L.15+00E 4+50S	5	142
S.L.15+00E 5+25S	5	311
S.L.15+00E 6+00S	10	372
S.L.15+00E 6+75S	10	191
S.L.15+00E 7+50S	10	132

S.L.15+00E 8+25S	20	212
S.L.15+00E 9+00S	5	555
S.L.15+00E 9+75S	15	91
S.L.15+00E 10+50S	5	69
S.L.15+00E 11+25S	20	43

S.L.15+00E 12+00S	5	104
S.L.15+00E 12+75S	10	63
S.L.15+00E 13+50S	5	154
S.L.15+00E 14+25S	20	47
S.L.15+00E 15+00S	5	30

STD	455	

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TELEX: VIA U.S.A. 7801067 • FAX (604) 980-9621

TIMMINS OFFICE:
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TELEPHONE: (705) 264-9996

Geochemical Analysis Certificate

OV-0997-SG24

Company: **CYPRUS GOLD CANADA**
Project: **HOBAM**
Attn: **DAVID STEVENSON**

Date: **AUG-08-90**
Copy 1. **CYPRUS GOLD CANADA, VANCOUVER, B.C.**

We hereby certify the following Geochemical Analysis of 29 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S.L. 15+00E 15+75S	5	63
S.L. 15+00E 16+50S	5	114
S.L. 15+00E 17+25S	5	40
C.S.L. 2325	5	481
C.S.L. 2326	5	625
C.S.L. 2327	5	545
C.S.L. 2328	5	515
C.S.L. 2329	5	625
C.S.L. 2330	10	595
C.S.L. 2331	5	325
C.S.L. 2332	10	605
C.S.L. 2333	5	615
C.S.L. 2334	NO	SAMPLE
C.S.L. 2335	5	545
C.S.L. 2336	5	269
C.S.L. 2337	5	860
C.S.L. 2338	5	645
S2404	5	347
S2405	5	78
S2406	5	400
S2407	5	675
S2408	5	755
S2409	5	690
S2410	5	750
S2411	5	780
S2412	10	665
S2413	5	565
S2414	30	765
S2415	25	4050
S2416	5	835
STD	430	

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TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
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TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9986

Geochemical Analysis Certificate

OV-0997-SG25

Company: CYPRUS GOLD CANADA
Project: HOGAN
Attn: DAVID STEVENSON

Date: AUG-09-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 28 SOIL samples submitted JUL-27-90 by DAVID STEVENSON.

Sample Number	AU-WET PPB	CU PPM
S2417	5	710
S2418	5	740
S2419	10	365
S2420	15	515
S2401	5	675
S2402	5	825
S2403	5	805
2286	5	545
2287	5	520
2288	5	347
2289	10	290
2290	20	1000
2291	5	510
2292	15	321
2293	10	184
2294	10	190
2295	30	304
2296	30	188
2297	5	403
2298	10	795
2299	10	1225
2300	5	1950
SL13+75 9+75S	5	206
SL13+75S 11+25S	5	91
SL2+50W 7+50S	5	253
SL12+50E 21+00N	5	226
SL10+00E 10+50N	10	123
SL10+00W 2+75S	5	321
STD	425	

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THUNDER BAY LAB.:
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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1060-SG7

Company: CYPRUS GOLD CANADA
Project: HOSEM
Attn: D. STEVENSON/A. JACKSON

DATE: AUG-14-90
Copy 1: CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-02-90 by GRANT KLYNE.

Sample Number	ALL WET PPB	CU PPM
HE1800-9+75N	55	890
HE1800-10+50N	45	346
HE1800-11+25N	5	281
HE1800-12+00N	5	250
HE1800-12+75N	5	380
HE1800-13+50N	235	385
HE1800-14+25N	5	45
HE1800-15+00N	5	22
HE1800-15+75N	5	84
HE1800-16+50N	5	85
HE1800-17+25N	5	152
HE1800-18+00N	10	92
HE1800-18+75N	5	150
HE1800-19+50N	5	201
HE1800-20+25N	115	149
HE1800-21+00N	5	84
HE1800-21+75N	10	25
HE1800-22+50N	5	80
2368	5	143
2369	5	720
2370	5	230
2371	10	225
2372	5	206
2373	5	581
2374	120	997
2375	10	230
2376	5	183
2377	5	451
2378	10	253
2379	10	926
STD	460	

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1060-SG8

Company: CYPRUS GOLD CANADA
Project: HOGEM
Attn: D. STEVENSON/A. JACKSON

Date: AUG-14-90
Copy 1, CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-02-90 by GRANT KLYNE.

Sample Number	AU-WET PPB	CU PPM
2380	5	64
2381	5	467
2382	5	212
2383	5	389
2421	10	196
2422	5	172
2423	5	102
2425	5	590
2427	5	446
2428	5	439
2431	5	1025
2432	5	537
2433	5	372
2434	5	200
2435	5	70
2436	5	301
2437	5	110
2438	5	257
2439	5	130
2440	10	48
2441	5	330
2442	5	389
2443	5	448
2384	5	416
2385	5	283
2386	5	85
2387	5	76
2388	5	84
2389	5	268
2390	5	366
STD	395	

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SMITHERS LAB.:
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Geochemical Analysis Certificate

0V-1060-SG9

Company: **CYPRUS GOLD CANADA**
Project: **HOBEM**
Attn: **D. STEVENSON/A. JACKSON**

Date: **AUG-14-90**
Copy 1. **CYPRUS GOLD CANADA, VANCOUVER, B.C.**

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-02-90 by GRANT KLYNE.

Sample Number	AU-WET PPB	CU PPM
2391	5	198
2392	5	138
2393	5	365
2394	5	508
2395	5	187
2396	10	120
2340	5	166
2341	5	221
2342	5	2250
2343	5	116
2344	35	94
2345	10	102
2346	5	1150
2347	5	175
2348	155	200
2349	5	160
2350	5	146
2351	5	63
2352	5	361
2353	10	180
2354	5	465
2355	5	48
2356	5	507
2357	10	70
2358	5	391
2359	5	585
2360	15	83
2361	5	74
2362	35	302
2363	5	105
STD.	390	

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TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1060-SG10

Company: CYPRUS GOLD CANADA
Project: HOGEM
Attn: D. STEVENSON/A. JACKSON

Date: AUG-14-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-02-90 by GRANT KLYNE.

Sample Number	AU-WET PPB	CU PPM
2364	5	55
2365	5	295
2366	5	219
2367	5	178
2444	5	240
2445	5	761
2447	10	389
2448	5	368
2449	15	1056
2450	10	1420
2451	10	1180
2452	5	521
2453	5	578
2454	5	880
2455	5	346
2456	5	275
2457	5	65
2458	5	132
L2+50E-0+00BL	5	151
L2+50E-0+75N	5	168
L2+50E-1+50N	5	260
L2+50E-2+25N	5	523
L2+50E-3+00N	10	58
L2+50E-3+75N	5	50
L2+50E-4+50N	5	203
L2+50E-5+25N	5	60
L2+50E-6+00N	5	65
L2+50E-6+75N	5	45
L2+50E-7+50N	5	358
L2+50E-8+25N	10	200
STD	460	

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

0V-1060-SG11

Company: CYPRUS GOLD (CANADA)
Project: HOGEM
Attn: D. STEVENSON/A. JACKSON

Date: AUG-14-90
Copy to: CYPRUS GOLD-CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-02-90 by GRANT KLYNE.

Sample Number	AU-WGT PPB	CU PPM
L2+50E-9+00N	10	185
L2+50E-9+75N	5	220
L2+50E-10+50N	5	440
L2+50E-11+25N	10	420
L2+50E-12+00N	5	350
<hr/>		
HE1400-0+00N	90	118
HE1400-0+75N	15	194
HE1400-1+50N	5	16
HE1400-2+25N	10	10
HE1400-3+00N	5	17
<hr/>		
HE1400-3+75N	5	7
HE1400-4+50N	1385	37
HE1400-5+25N	40	20
HE1400-6+00N	5	22
HE1400-6+75N	150	15
<hr/>		
HE1400-7+50N	80	12
HE1400-8+25N	75	17
HE1400-9+00N	30	10
HE1400-9+75N	15	33
HE1400-10+50N	10	12
<hr/>		
HE1400-11+25N	5	9
HE1400-12+00N	10	28
HE1400-12+75N	50	8
HE1400-0+00E	50	136
HE1400-0+75E	5	62
<hr/>		
HE1400-1+50E	20	35
HE1400-2+25E	10	20
HE1400-3+00E	40	24
HE1400-3+75E	40	58
HE1500-0+75E	5	200
<hr/>		
STD	410	

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SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1227-SG1

Company: **CYPRUS GOLD CANADA**
Project: **HOGEM**
Attn: **D. B. STEVENSON**

Date: **SEP-01-90**
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOILS samples submitted AUG-21-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM
STS 1000W 0+75N	5	147
STS 1000W 1+50N	5	111
STS 1000W 2+25N	5	104
STS 1000W 3+00N	5	68
STS 1000W 3+75N	5	120

STS 1000W 4+50N	5	86
STS 1000W 5+25N	5	103
STS 1000W 6+00N	5	49
STS 1000W 6+75N	5	75
STS 1000W 7+50N	5	68

STS 1000W 0+00S	5	350
STS 1000W 0+75S	5	204
STS 1000W 1+50S	10	95
STS 1000W 2+25S	5	63
STS 1000W 3+00S	5	52

STS 1000W 3+75S	5	81
STS 1000W 4+50S	5	142
STS 1000W 5+25S	5	114
STS 1000W 6+00S	10	66
STS 750W 0+00S	5	152

STS 750W 0+75S	5	105
STS 750W 1+50S	5	126
STS 750W 2+25S	5	261
STS 750W 3+00S	5	312
STS 750W 3+75S	5	106

STS 750W 4+50S	5	125
STS 750W 5+25S	10	167
STS 750W 6+00S	5	256
STS 750W 0+00N	5	64
STS 750W 0+75N	5	133

STD	395	

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

0V-1227-SG2

Company: **CYPRUS GOLD CANADA**
Project: **HUGEM**
Attn: **D.B. STEVENSON**

Date: **AUG-31-90**
Copy 1. **CYPRUS GOLD CANADA, VANCOUVER, B.C.**

We hereby certify the following Geochemical Analysis of 29 SOILS samples submitted AUG-21-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM
STS 750W 1+50N	10	110
STS 750W 2+25N	5	24
STS 750W 3+00N	5	120
STS 750W 3+75N	10	140
STS 750W 4+50N	15	80
STS 750W 5+25N	10	160
STS 750W 6+00N	5	267
STS 750W 6+75N	5	282
STS 750W 7+50N	5	105
STS 500W 0+00S	20	54
STS 500W 0+75S	5	75
STS 500W 1+50S	25	36
STS 500W 2+25S	5	42
STS 500W 3+00S	5	41
STS 500W 3+75S	5	76
STS 500W 4+50S	5	316
STS 500W 5+25S	5	490
STS 500W 6+00S	5	700
STS 250W 0+75S	5	108
STS 250W 1+50S	10	407
STS 250W 2+25S	5	62
STS 250W 3+00S	5	127
STS 250W 3+75S	55	665
STS 250W 4+50S	5	300
STS 250W 5+25S	5	388
STS 250W 6+00S	5	440
ET 1800 0+00N	10	212
ET 1800 0+75N	NO	SAMPLE
ET 1800 1+50N	5	430
ET 1800 2+25N	10	130
STD	460	

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TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1227-SG5

Company: **CYPRUS GOLD CANADA**
Project: **HOGEM**
Attn: **D.B. STEVENSON**

Date: **AUG-31-90**

Copy 1. **CYPRUS GOLD CANADA, VANCOUVER, B.C.**

We hereby certify the following Geochemical Analysis of 30 SOILS samples submitted AUG-21-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM
OSNE 1920 8+25N	5	134
OSNE 1920 9+00N	5	151
OSNE 1920 9+75N	5	58
OSNE 1920 10+50N	5	264
OSNE 1920 11+25N	10	279
<hr/>		
OSNE 1920 12+00N	5	360
OSNE 1920 12+75N	5	280
OSNE 1920 13+50N	5	257
OSNE 1920 14+25N	5	290
OSSE 1920 0+00S	5	169
<hr/>		
OSSE 1920 0+75S	5	187
OSSE 1920 1+50S	10	167
OSSE 1920 2+25S	5	124
OSSE 1920 3+00S	5	173
OSSE 1920 3+75S	5	257
<hr/>		
OSSE 1920 4+50S	5	202
OSSE 1920 5+25S	5	260
OSSE 1860 0+00S	5	171
OSSE 1860 0+75S	5	151
OSSE 1860 1+50S	5	167
<hr/>		
OSSE 1860 2+25S	5	193
OSSE 1860 3+00S	10	207
OSSE 1860 3+75S	5	127
OSSE 1860 4+50S	5	138
OSSE 1860 5+25S	5	280
<hr/>		
OSSE 1860 6+00S	5	225
STS 250E 0+00N	5	39
STS 250E 0+75N	5	74
STS 250E 1+50N	5	302
STS 250E 2+25N	5	163

STD

440

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

0V-1227-SG6

Company: CYPRUS GOLD CANADA
Project: HOGEM
Attn: D.B. STEVENSON

Date: SEP-02-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOILS samples submitted AUG-21-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM
STS 250E 3+00N	10	193
STS 250E 3+75N	5	208
STS 250E 4+50N	5	198
STS 250E 5+25N	5	57
STS 250E 6+00N	5	53
STS 250E 6+75N	5	78
STS 250E 7+50N	5	47
STS 250E 8+25N	10	287
STS 250E 9+00N	5	263
STS 250W 0+00N	5	18
STS 250W 0+75N	5	17
STS 250W 1+50N	5	6
STS 250W 2+25N	5	159
STS 250W 3+00N	5	65
STS 250W 3+75N	5	68
STS 250W 4+50N	5	57
STS 250W 5+25N	5	49
STS 250W 6+00N	10	46
STS 250W 6+75N	5	84
STS 250W 7+50N	5	12
STS 250W 8+25N	5	86
STS 250W 9+00N	5	48
STS 0+00E 0+00N	5	79
STS 0+00E 0+75N	5	14
STS 0+00E 1+50N	10	296
STS 0+00E 2+25N	5	102
STS 0+00E 3+00N	5	1680
STS 0+00E 3+75N	5	26
STS 0+00E 4+50N	5	16
STS 0+00E 5+25N	5	43
STD	395	

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1227-SG7

Company: CYPRUS GOLD CANADA
Project: HOGEM
Attn: D. B. STEVENSON

Date: SEP-02-90

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOILS samples submitted AUG-21-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM
STS 0+00E 6+00N	5	79
STS 0+00E 6+75N	5	88
STS 0+00E 7+50N	5	89
STS 0+00E 8+25N	5	54
STS 0+00E 9+00N	5	152

OSN 1620 0+00N	5	11
OSN 1620 0+75N	5	114
OSN 1620 1+50N	10	213
OSN 1620 2+25N	5	181
OSN 1620 3+00N	5	147

OSN 1620 3+75N	5	206
OSN 1620 4+50N	5	310
OSN 1800 0+00N	5	143
OSN 1800 0+75N	5	218
OSN 1800 1+50N	10	39

OSN 1800 2+25N	5	35
OSN 1800 3+00N	5	317
OSN 1800 3+75N	5	164
OSN 1800 4+50N	5	105
OSN 1800 5+25N	10	193

OSN 1800 6+00N	5	102
OSN 1800 6+75N	5	320
OSN 1800 7+50N	5	211
OSE 1820 0+00N	5	259
OSE 1820 0+75N	5	218

OSE 1820 1+50N	5	180
OSE 1820 2+25N	5	107
OSE 1820 3+00N	5	113
OSE 1820 3+75N	10	71
OSE 1820 4+50N	5	77

STD	440	

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FAX (807) 823-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

0V-1227-SG9

Company: CYPRUS GOLD CANADA
Project: HOBBS
Attn: D.B. STEVENSON

Date: AUG-31-90
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOILS samples submitted AUG-21-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM
OSE 1900 10+50N	5	240
OSE 2000 0+00N	5	190
OSE 2000 0+75N	5	250
OSE 2000 1+50N	5	302
OSE 2000 2+25N	5	440
OSE 2000 3+00N	5	303
OSE 2000 3+75N	5	350
OSE 2000 4+50N	5	422
OSE 2000 5+25N	5	610
OSE 2000 6+75N	5	182
OSE 2000 7+50N	5	164
OSE 2000 8+25N	5	99
OSE 2000 9+00N	5	227
OSE 2000 9+75N	5	210
OSE 2000 10+50N	5	184
OSE 2000 11+25N	15	1000
OSE 2000 12+00N	5	136
OSE 2000 12+75N	5	206
OSN 1700 0+75N	5	147
OSN 1700 1+50N	5	285
OSN 1700 2+25N	10	302
OSN 1700 3+00N	5	192
OSN 1700 3+75N	5	250
OSN 1700 4+50N	5	119
OSN 1700 5+25N	5	207
OSN 1700 6+00N	5	210
OSN 1700 6+75N	5	182
OSN 1700 7+50N	5	159
OSN 1700 8+25N	5	200
STS 500W 0+75N	5	47
STD	395	

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NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1227-SG10

Company: **CYPRUS GOLD CANADA**
Project: **HOGEM**
Attn: **D.B. STEVENSON**

Date: **SEP-02-90**

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOILS samples submitted AUG-21-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM
STS 500W 1+50N	5	200
STS 500W 2+25N	5	279
STS 500W 3+00N	5	11
STS 500W 3+75N	10	81
STS 500W 4+50N	5	114
STS 500W 5+25N	5	19
STS 500W 6+00N	5	50
STS 500W 6+75N	5	32
STS 500W 7+50N	5	4
STS 500W 9+00N	5	23
STN 500E 0+00S	10	20
STN 500E 0+75S	5	180
STN 500E 1+50S	5	166
STN 500E 2+25S	5	119
STN 500E 3+00S	5	110
STN 500E 3+75S	10	114
STN 500E 4+50S	5	32
STN 500E 5+25S	5	174
STN 500E 6+00S	5	231
STN 500E 6+75S	5	80
STN 500E 7+50S	5	23
STN 500E 8+25S	5	99
STN 500E 9+00S	5	122
STN 500E 9+75S	5	198
STN 250E 0+00S	5	60
STN 250E 0+75S	10	126
STN 250E 1+50S	5	111
STN 250E 2+25S	5	81
STN 250E 3+00S	5	111
STN 250E 3+75S	5	130
STD	410	

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FAX (807) 823-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1227-SG11

Company: **CYPRUS GOLD CANADA**
Project: **HOGEM**
Attn: **D.B. STEVENSON**

Date: **SEP-02-90**

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOILS samples submitted AUG-21-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM
STN 250E 4+50S	5	134
STN 250E 5+25S	5	240
STN 250E 6+00S	5	558
STN 250E 6+75S	5	337
STN 250E 7+50S	5	305

STN 250E 8+25S	10	146
STN 250E 9+00S	5	79
STN 250E 9+75S	5	32
STN 000 0+00S	5	80
STN 000 0+75S	5	41

STN 000 1+50S	5	79
STN 000 2+25S	5	72
STN 000 3+00S	5	39
STN 000 3+75S	5	36
STN 000 4+50S	10	381

STN 000 5+25S	5	44
STN 000 6+00S	5	80
STN 000 6+75S	5	64
STN 000 7+50S	5	24
STN 250W 0+00S	5	262

STN 250W 0+75S	5	258
STN 250W 1+50S	10	100
STN 250W 2+25S	5	28
STN 250W 3+00S	5	64
STN 250W 3+75S	5	67

STN 250W 4+50S	5	122
STN 250W 5+25S	5	39
STN 250W 6+00S	5	38
STN 250W 6+75S	5	38
STN 250W 7+50S	5	71

STD	400	

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THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1227-SG12

Company: **CYPRUS GOLD CANADA**
Project: **HIGEM**
Attn: **D.B. STEVENSON**

Date: **SEP-02-90**

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOILS samples submitted AUG-21-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM
STN 250W 8+25S	5	63
L15W 4+50N(A)	5	1290
L15W 4+50N(B)	10	1380
L15W 4+50N(C)	5	990
L15W 5+25N(A)	5	2400
L15W 5+25N(B)	5	2450
L15W 5+25N(C)	5	1900
L15W 6+00N(A)	10	1200
L15W 6+00N(B)	5	1690
L15W 6+00N(C)	5	930
L15W 6+75(A)	5	1040
L15W 6+75(B)	5	1160
L15W 6+75(C)	5	1100
OSW 1800 0+00N	5	31
OSW 1800 0+75N	10	90
OSW 1800 1+50N	5	275
OSW 1800 2+25N	5	272
OSW 1800 3+00N	5	105
OSW 1800 3+75N	5	142
OSW 1800 4+50N	5	111
OSW 1800 5+25N	5	64
OSW 1800 6+00N	10	66
OSW 1800 6+75N	5	82
OSW 1800 7+50N	5	90
ET 1900 0+00N	5	96
ET 1900 0+75N	5	285
ET 1900 1+50N	10	122
ET 1900 2+25N	5	635
ET 1900 3+00N	10	430
ET 1900 3+75N	5	570
STD	420	

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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1227-SG15

Company: CYPRUS GOLD CANADA
Project: HGFEM
Attn: D.B. STEVENSON

Date: SEP-02-90

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 29 SOILS samples submitted AUG-21-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM
OSW 1900 0+75N	5	125
OSW 1900 1+50N	5	180
OSW 1900 2+25N	5	262
OSW 1900 3+00N	5	43
OSW 1900 3+75N	10	119
OSW 1900 4+50N	5	421
OSW 1900 5+25N	5	106
OSW 1900 6+00N	10	71
OSW 1900 6+75N	5	50
OSW 1900 7+50N	5	89
STN 750W 0+00N	5	20
STN 750W 0+75N	5	17
STN 750W 1+50N	5	9
STN 750W 2+25N	5	29
STN 750W 3+00N	5	140
STN 750W 3+75N	5	155
STN 750W 4+50N	10	277
STN 750W 5+25N	5	55
STN 750W 6+00N	5	149
STN 750W 6+75N	5	78
STN 750W 7+50N	5	179
STN 750W 8+25N	5	79
STN 750W 9+00N	5	159
STN 750W 9+75N	5	35
STN 750W 10+50N	10	40
STN 750W 11+25N	5	57
STN 750W 0+75S	5	54
STN 750W 1+25S	NO	SAMPLE
STN 250W 0+00N	5	170
STN 250W 0+75N	5	151
STD	450	

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 622-8958
FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1227-SG16

Company: **CYPRUS GOLD CANADA**
Project: **HOGEM**
Attn: **D.B. STEVENSON**

Date: **SEP-03-90**
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 29 SOILS samples submitted AUG-21-90 by D.B. STEVENSON,

Sample Number	AU-WET PPB	CU PPM
STN 250W 1+50N	5	77
STN 250W 2+25N	5	178
STN 250W 3+00N	5	203
STN 250W 3+75N	5	90
STN 250W 4+50N	5	147
STN 250W 5+25N	10	141
STN 250W 6+00N	10	72
STN 250W 6+75N	5	150
STN 250W 7+50N	5	125
STN 1000W 0+00N	5	50
STN 1000W 0+75N	5	17
STN 1000W 1+50N	15	68
STN 1000W 2+25N	5	162
STN 1000W 3+00N	5	31
STN 1000W 3+75N	5	200
STN 1000W 4+50N	5	83
STN 1000W 5+25N	10	27
STN 1000W 6+00N	5	109
STN 1000W 6+75N	5	146
STN 1000W 7+50N	5	131
STN 1000W 8+25N	5	201
STN 1000W 9+00N	5	68
STN 1000W 9+75N	5	72
STN 1000W 10+50N	10	75
STN 1000W 11+25N	5	61
STN 500W 0+00N	5	117
STN 500W 0+75N	5	193
STN 500W 1+50N	5	110
STN 500W 2+25N	NO	SAMPLE
STN 500W 3+00N	5	173
STD	395	

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FAX (604) 980-9621

THUNDER BAY LAB.:
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FAX (807) 623-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

OV-1227-SG17

Company: **CYPRUS GOLD CANADA**
Project: **HOGEM**
Attn: **D.B. STEVENSON**

Date: **SEP-03-90**

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 30 SOILS samples submitted AUG-21-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	CU PPM
STN 500W 3+75N	5	51
STN 500W 4+50N	10	296
STN 500W 5+25N	5	82
STN 500W 6+00N	5	152
STN 500W 6+75N	5	128
STN 500W 7+50N	5	80
STN 500W 8+25N	10	141
STN 500W 0+75S	5	173
STN 500W 1+50S	5	67
STN 500W 2+25S	5	116
HE 1860 0+00N A	70	228
HE 1840 0+00N	40	86
HE 1840 0+75N	10	63
HE 1840 1+50N	25	107
HE 1840 2+25N	40	113
HE 1840 3+00N	40	60
HE 1840 3+75N	65	34
HE 1840 4+50N	10	22
HE 1840 5+25N	20	89
HE 1840 6+00N	10	23
HE 1840 6+75N	5	36
HE 1840 7+50N	60	41
HE 1840 0+75S	150	104
HE 1720 1+00S (A)	5	14
HE 1720 1+00S (B)	40	32
HE 1720 1+00S (C)	20	37
HE 1720 2+00S (A)	10	9
HE 1720 2+00S (B)	5	9
HE 1720 2+00S (C)	5	20
HE 1720 3+00S (A)	10	36
STD.	400	

Certified by *Ben Jones*

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FAX (604) 980-9621

THUNDER BAY LAB.:
TELEPHONE (807) 822-8958
FAX (807) 823-5931

SMITHERS LAB.:
TELEPHONE/FAX (604) 847-3004

Geochemical Analysis Certificate

0V-1227-SG30

Company: CYPRUS GOLD CANADA
Project: ADGEM
Attn: D.B. STEVENSON

Date: SEP-04-90

Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

We hereby certify the following Geochemical Analysis of 12 SOILS samples submitted AUG-21-90 by D.B. STEVENSON.

Sample Number	AU-WET PPB	Cu PPM
TEN 2+50E 3+00S	10	15
TEN 2+50E 3+75S	5	10
TEN 2+50E 4+50S	5	28
TEN 2+50E 5+25S	5	30
TEN 2+50E 6+00S	5	292
16+00 28+00 S (C)	5	11
ET 1720 3+25 N	5	110
STN 7+50W 1+50S	10	47
HE 1720 4+00SA	15	5
HE 1720 4+00SB	35	8
HE 1720 4+00SC	70	5
TEN 1800 1+75E	10	268

STD

420

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Appendix 3 - Geochemical Preparation and Analytical Procedures



ANALYTICAL PRECEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR WET GOLD GEOCHEMICAL ANALYSIS

Samples are processed by Min-En Laboratories, at 705 West 15th Street, North Vancouver, employing the following procedures.

After drying the samples at 95 C, soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized on a ring mill pulverizer.

5.00 grams of sample is weighed into porcelain crucibles and cindered @ 800 C for 3 hours. Samples are then transferred to beakers and digested using aqua regia, diluted to volume and mixed.

Further oxidation and treatment of 75% of the above solution is then extracted for gold by Methyl Iso-butyl Ketone.

The MIBK solutions are analyzed on an atomic absorption spectrometer using a suitable standard set.



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ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR AG, CU, PB, ZN, NI, CO OR CD GEOCHEM

Samples are processed by Min-En Laboratories at 705 West 15th Street, North Vancouver, employing the following procedures.

After drying the samples at 95 C, soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized on a ring mill pulverizer.

0.50 gram of the sample is digested for 2 hours with an aqua regia mixture. After cooling samples are diluted to standard volume.

The solutions are analysed on atomic absorption spectrometers using the appropriate standard sets. A background correction can be applied to Ag, Pb, and Cd if requested.



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ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK

PROCEDURE FOR AU, PT OR PD FIRE GEOCHEM

Geochemical samples for Au Pt Pd are processed by Min-En Laboratories, at 705 West 15th St., North Vancouver, B. C., laboratory employing the following procedures:

After drying the samples at 95 C, soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized on a ring mill pulverizer.

A suitable sample weight; 15.00 or 30.00 grams is fire assay preconcentrated. The precious metal beads are taken into solution with aqua regia and made to volume.

For Au only, samples are aspirated on an atomic absorption spectrometer with a suitable set of standard solutions. If samples are for Au plus Pt or Pd, the sample solution is analyzed in an inductively coupled plasma spectrometer with reference to a suitable standard set.



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ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR TRACE ELEMENT ICP

Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cu,
Fe, K, Li, Mg, Mn, Mo, Na, Ni, P, Pb, Sb,
Sr, Th, U, V, Zn, Ga, Sn, W, Cr

Samples are processed by Min-En Laboratories, at 705 West 15th Street, North Vancouver, employing the following procedures.

After drying the samples at 95 C, soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by a jaw crusher and pulverized on a ring mill pulverizer.

0.50 gram of the sample is digested for 2 hours with an aqua regia mixture. After cooling samples are diluted to standard volume.

The solutions are analyzed by computer operated Jarrall Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers.

Appendix 4 - Project Cost Breakdown

PROJECT COST BREAKDOWN
CYPRUS GOLD (CANADA) LTD.
STEELE PROPERTY
(July 5 to August 11, 1990)

Salaries.....	\$28500.00
Assays.....	\$8910.50
Field Supplies - Cookery.....	\$6994.59
Report Compilation.....	\$3750.00
Helicopter (\$9787.50 x 20%).....	\$1957.50
Drafting.....	\$1760.35
Mag Rental.....	\$1288.93
Truck Rental.....	\$1167.82
Freight.....	\$1043.35
Travel Expenses.....	<u>\$675.10</u>

Total Project Cost - \$56048.14

Appendix 5 - Statement of Qualification

STATEMENT OF QUALIFICATION

I, David B. Stevenson, of the Municipality of North Vancouver in the Province of British Columbia, certify as follows regarding the report on the Steele property, Omineca Mining Division, British Columbia.

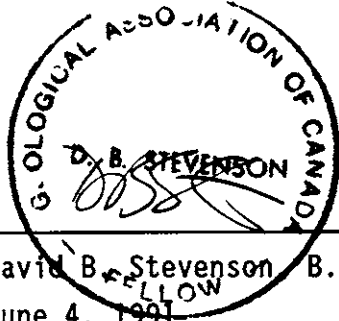
I am a graduate of the University of New Brunswick, Fredericton, New Brunswick with a Bachelor of Science, Honours in Geology, 1981.

I have practised geology in Canada and Norway since 1981.

I am employed by Cyprus Gold (Canada) Ltd., 1810-1055 West Hastings Street, Vancouver, B.C. V6E 2E9.

I supervised and coordinated exploration activities on or adjacent to the Steele property.

I am a Fellow of the Geological Association of Canada.


David B. Stevenson B.Sc. FGAC
June 4, 1991