

LOG NO: 0312	RD.
ACTION:	
FILE NO:	

REPORT
ON
GEOLOGY AND GEOCHEMISTRY

NORTHWEST GRID
WATSON BAR PROJECT

CLINTON MINING DIVISION, BRITISH COLUMBIA

Latitude 51° 05' North

Longitude 122° 05' West

FOR
CYPRUS GOLD (CANADA) LTD.

by
RUDOLF M. DURFELD, B.Sc
DURFELD GEOLOGICAL MANAGEMENT LTD

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,774

February 1990

Williams Lake, B.C.

TABLE OF CONTENTS

	<u>Page No.</u>
1. INTRODUCTION	1
1.1 Location	1
1.2 Access and Physiography	1
1.3 Ownership	3
1.4 History and Previous Work	3
1.5 Program Objective	4
2. GEOLOGY	5
2.1 Regional Geology	5
2.2 Northwest Grid Geology	6
2.3 Structure	7
2.4 Alteration and Mineralization	8
3. GEOCHEMISTRY	9
3.1 Sample Collection	9
3.2 Sample Preparation and Analysis	10
3.3 Soil Results	11
4. ROCK SAMPLING RESULTS	12
5. DISCUSSION	13
6. REFERENCES	13
7. CERTIFICATE	14
8. COST STATEMENT	15

APPENDIX I: Soil Sampling Results

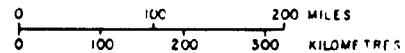
APPENDIX II: Detailed Description of Geochemical Procedures

ILLUSTRATIONS

MAP	1	WATSON BAR PROPERTY LOCATION MAP	Before page 1
MAP	2	WATSON BAR PROPERTY CLAIM MAP (1:100,000)	After page 3
MAP	3A	GEOLOGICAL PLAN (1:5,000) NORTHWEST	In Pocket
MAP	4A	SOIL GEOCHEMICAL PLAN GOLD (1:5,000) NORTHWEST	"
MAP	5A	SOIL GEOCHEMICAL PLAN MERCURY (1:5,000) NORTHWEST	"
MAP	6A	SOIL GEOCHEMICAL PLAN ARSENIC (1:5,000) NORTHWEST	"



CYPRUS GOLD CANADA LTD.
PROJECT LOCATION MAP



DRAWN J.W.	DATE 3-4-88	FIG.
---------------	----------------	------

1. INTRODUCTION

During the period December 1988 to January 1989 Cyprus Gold (Canada) Ltd. acquired by staking the AJ mineral claims to the north of Watson Bar creek.

This report documents preliminary grid geological mapping (1:5,000) and geochemical sampling (rock and soil) conducted on the AJ 8 and AJ 9 mineral claims during the period June 1st to September 20th 1989.

1.1 Location

The Watson Bar Project covers the Second, AJ, and DS Mineral Claims (444 units) situated in the Clinton Mining Division 33 kilometres due west of the village of Clinton and 7 kilometres west of the Fraser River (Map No. 1). More precisely, it is centered at 51 degrees 3 minutes north latitude and 122 degrees 3 minutes west longitude. (NTS Map 92 0/1E)

1.2 Access and Physiography

The property is readily accessible from the village of Lillooet via the all-weather Slok Creek logging road, a

distance of 71 kilometres, or by helicopter from either Williams Lake or Lillooet. The Slok Creek logging road bisects the property and in conjunction with secondary cat trails provides good access to much of the property.

The property is bisected by the broad and steep Watson Bar Creek Valley and the immature and narrow "V" shaped valleys of Second Creek and its tributaries. The elevation on the property varies from 400 metres in Watson Bar Creek in the central part of the property, to summits of 2,000 metres near Hogback Mountain in the south.

Vegetation on the Watson Bar Property is characterized by open forests of mature fir and pine, with undergrowth of grasses that are typical of the dry climate (mean annual precipitation of less than 30 centimetres) in this area. In the lower elevations toward Watson Bar Creek the trees give way to sage brush, tumbleweed and grasses. Locally, in areas of recent forest fires, the forest cover consists of closely spaced immature fir and pine.

The area of the northwest grid on the Watson Bar Property is on the south facing slope directly to the north of Watson Bar creek. The vegetation here consists of sagebrush and bunch grass covered slopes with open coniferous forests of pine and fir occurring at higher elevations.

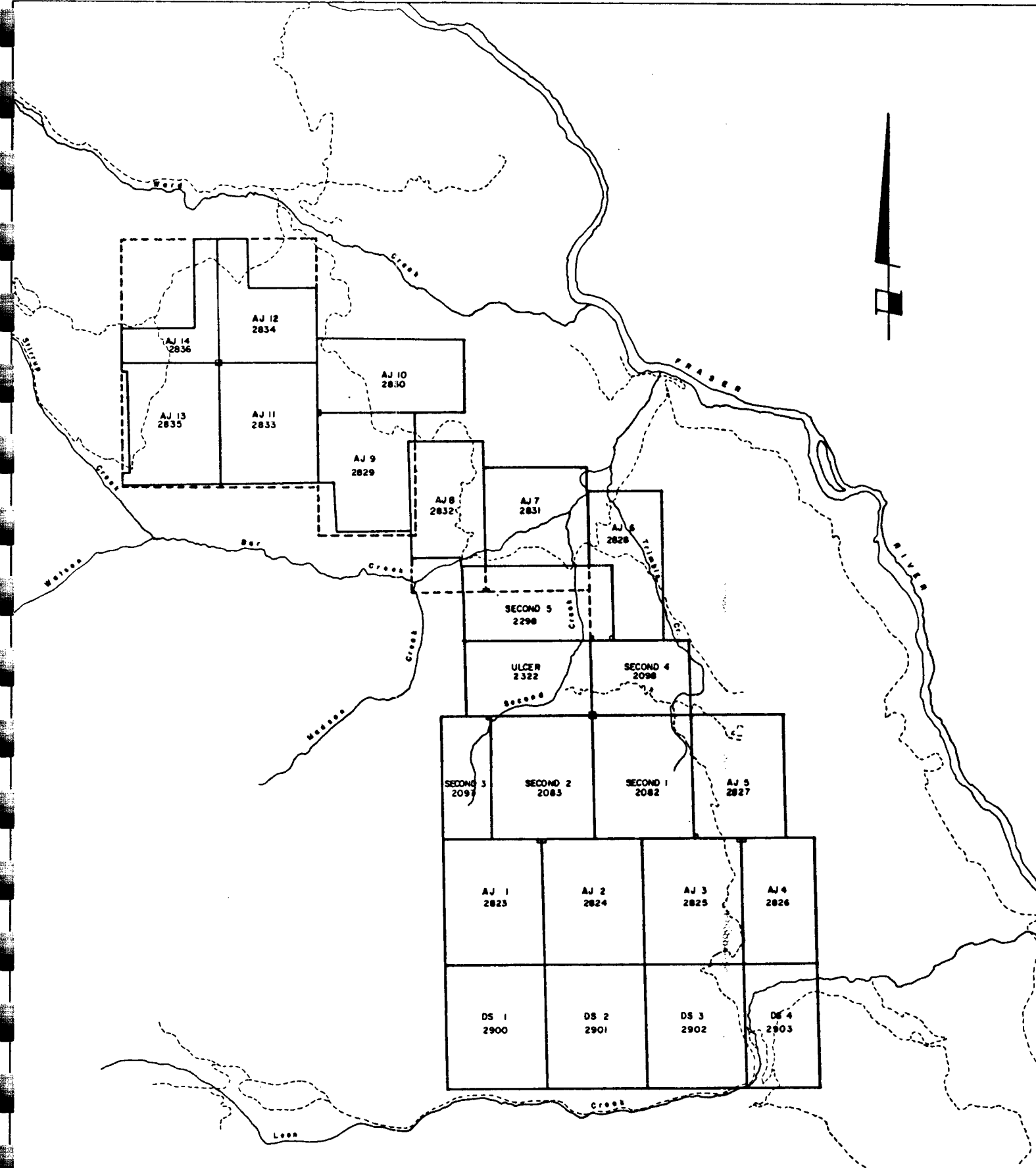
1.3 Ownership

The Watson Bar Property is comprised of 24 contiguous modified grid mineral claims for a total of 444 units. The status of these claims is summarized below and the relative claim locations are plotted as Map No. 2. The year of expiry reflects the work that was applied to the claims in December 1989 and is partly documented in this report.

Claim Name	Record Number	Number of Units	Date of Record	Year of expiry
Second 1	2082	20	19/09/86	1993
Second 2	2083	20	19/09/86	1993
Second 3	2097	10	16/10/86	1993
Second 4	2098	12	16/10/86	1993
Second 5	2298	18	29/06/87	1996
Ulcer	2322	15	12/08/87	1996
AJ 1	2823	20	19/12/88	1992
AJ 2	2824	20	19/12/88	1992
AJ 3	2825	20	19/12/88	1992
AJ 4	2826	15	19/12/88	1992
AJ 5	2827	20	19/12/88	1992
AJ 6	2828	18	20/12/88	1992
AJ 7	2831	20	22/12/88	1992
AJ 8	2832	18	22/12/88	1992
AJ 9	2829	20	22/12/88	1992
AJ 10	2830	18	22/12/88	1992
AJ 11	2833	20	07/01/89	1993
AJ 12	2834	20	08/01/89	1993
AJ 13	2835	20	08/01/89	1993
AJ 14	2836	20	08/01/89	1993
DS 1	2900	20	20/02/89	1993
DS 2	2901	20	20/02/89	1993
DS 3	2902	20	20/02/89	1993
DS 4	2903	20	20/02/89	1993

1.4 History and Previous Work

Early exploration in this area would have coincided with the Gold Rush on the Fraser River and subsequent placer



**WATSON BAR PROPERTY
CLAIM MAP**

DRAWN BY	SCALE 1:100,000
DATE	MAP No. 2



mining in Watson Bar Creek just to the north of the Watson Bar Property during the period 1860 to 1900. The adit on the adjoining Mad claims and old open cuts on the Watson Bar property would have been excavated during this period.

In June 1980, E and B Explorations Inc. staked much of what is now the Watson Bar Property as the Carolyn 1 to 8 claims. E and B Explorations Inc. staked the ground to acquire several large alteration zones hosted by Jackass Mountain Group sedimentary rocks. Although the northwest grid was not covered by this staking it does cover the northwesterly extension of this alteration zone.

1.5 Program Objective

The initial prospecting of the area of the northwest grid showed strong argillic alteration of sheared Jackass Mountain sediments and Eocene volcanics controlled by several splays of the Fraser River fault.

The objective of the grid geochemical soil sampling and geological mapping was to define the mineral potential of the northwest grid as an epithermal gold target.

2. GEOLOGY

2.1 Regional Geology

The Watson Bar Property area was mapped by H. W. Tipper of the Geological Survey of Canada in 1978 (92/0, Open File 534). Tipper shows the claim area to cover a northerly trending splay of the Fraser River Fault that brings rhyolite to dacitic pyroclastic rocks of Eocene-age in contact with clastic sedimentary rocks of the Lower Cretaceous Jackass Mountain Group to the southwest.

The Jackass Mountain Group is divisible into three distinct units (Duffell & McTaggard, 1950). These are: a lower unit comprised of up to 600 metres of non marine arkose, greywacke and lesser conglomerate and shale; a middle unit which is up to 500 metres thick and comprised of coarse conglomerate with minor beds of greywacke and argillite; and an upper unit of greywacke with thinly interbedded conglomerate and argillite that is at least 1,500 metres thick. Faulting is the dominant structural feature, with minor local folding.

The Eocene volcanic rocks are comprised of tuffs, breccia, agglomerates and flows. Most of these volcanic rocks are dacites with subordinate rhyolite. Although these rocks are not folded, near major faults they are intensely

sheared.

2.2 Northwest Grid Geology

The northwest grid was established during the period June to September 1989. Outcrop and rubble exposures were noted while soil sampling and additional outcrops were mapped as roadcuts. The geological mapping of these outcrop and rubble exposures is given as Map 3A of this report.

Lithology

The oldest rocks on the northwest grid are a thick north-north westerly trending sequence of clastic sedimentary rocks of the Lower Cretaceous Jackass Mountain Group (Units Ss, Sd, Cng, Arg). Within the mapped portion of the claims, the Jackass Mountain rocks are predominantly medium to thick bedded arkose and greywacke. Siltstone (Ss) occurs locally as thin interbeds in the predominantly sandstone (Sd) units, while conglomerate (Cng) and argillite (Arg) form thicker beds.

Greywacke and arkose typically consist of 1 mm grains of feldspar, with lesser amounts of lithic fragments in a matrix of feldspar, calcite, muscovite, and chlorite.

Conglomerates are polymictic with granite, sedimentary, and volcanic clasts to 10 cm. The clasts are matrix supported. In the property area the sediments generally show a coarsening up section from sandstone in the northeast to conglomerate in the southwest.

In the southwest grid area a 200 by 700 metre exposure of granodiorite is noted as intruding sandstones of the Jackass Mountain Group. The sediments are bleached, sericitized near this contact.

The Eocene Age volcanics (Ev) are rhyolite to andesite tuffs, breccias, and flows and are the youngest rocks in the property area. These volcanic rocks occur mainly northeast of the main splay of the Fraser River Fault and in the grid area form interfingered contacts with the Jackass Mountain sediments.

2.3 Structure

The structure in the Watson Bar Property area is dominated by the north-northwesterly trending Fraser River Fault and related subsidiary faults. The main splay of the Fraser River fault has juxtaposed Jackass Mountain Group sediments and Eocene volcanic rocks. A conjugate set of subsidiary

faults and shears believed related to the Fraser River Fault splay, occur in the northwest grid area. The two prominent trends are northwesterly and northeasterly. These structures dip moderately to steeply southwesterly and northwesterly, respectively. Offsets across most faults appear to be minor.

Throughout most of the grid area, the Jackass Mountain strata strike northwesterly to northerly with moderate westerly dips. Variations in the strike of the strata suggest the rocks are gently folded.

2.4 Alteration and Mineralization

Regions of the grid area show hydrothermal alteration. The type and intensity of alteration is variable but can be divided into four distinct types: carbonate, phyllic/argillic, gypsum and silicification.

The intensity of carbonate alteration is variable ranging from calcite veining and fracture filling to pervasive replacement of the rock by calcite, dolomite and/or ankerite. The carbonate alteration is generally strongest in the sedimentary rocks of the Jackass Mountain group.

Phyllic/argillic alteration consists primarily of sericitization with small areas of localized argillic alteration. Phyllic alteration as secondary sericite ranges

from clouding to complete replacement of feldspar matrix and phenocrysts in all the lithologies. Argillic alteration consists of kaolonization and clay alteration of the feldspar in all lithologies. Argillic alteration is not widespread being localized in areas of well fractured or sheared rock and appears to be a later alteration overprint within a more widespread zone of sericitization.

Silicification consists of both fracture fillings and pervasive replacement of the rock. Quartz veins are characteristic of open space fillings, with both drusy and banded textures. Prominent vein directions are northeast and northwest. Vein dips are variable. Both phyllic/argillic and carbonate alteration accompany the silicification.

Gypsum is noted as a secondary mineral in a sheared sandstone outcrop in the northwest grid area and is probably related to the Eocene volcanism.

No Sulphide mineralization was mapped in the area of the northwest grid. Limited rock sampling (Map 3A) of quartz veined outcrops showed no anomalous gold, mercury and or arsenic values.

3. GEOCHEMISTRY

The northwest grid was sampled during the 1989 field season. The results of this soil sampling are given as Appendix I of this report and plotted for gold, mercury and arsenic on attached maps 4A, 5A and 6A.

3.1 Sample Collection

At each soil sample site a pit of .4 to .7 metres was dug with a mattock or shovel and a sample of "B" horizon soil was collected and placed in a labelled kraft paper envelope. Where surface soil samples were contaminated by volcanic ash deeper samples were collected. This sampling was confined to areas without extensive Quaternary Age glacial cover and used a 200 metre line spacing with a 25 metre sample interval. Approximately 1,156 soil samples were collected.

Rock samples consisted of random chips from small outcrops and float. All rock samples were placed in plastic bags and labelled with pre-numbered assay tags.

All the soil and rock samples were sent to Min En Laboratories in North Vancouver for analysis.

3.2 Sample Preparation and Analysis

At the Min-En Laboratory the soil samples were dried and sieved to -80 mesh. The rock samples were crushed by jaw crusher and pulverized by ceramic plated pulverizer.

Gold analysis was carried out on a 10 gram subsample of -80 mesh material after a hot aqua regia digestion and a M.I.B.K extraction. A 5 gram subsample was digested as necessary for analysis of copper, lead, zinc, silver, arsenic antimony and mercury by standard atomic absorption methods. The detailed description of geochemical procedures employed by Min-En are given as Appendix II.

3.3 Soil Results

As Min-En completed analysis of batches of soil samples they prepared hard copies of the results and also downloaded the results onto the ENVOY computer data network. The hard copies were used for field plotting while the results on ENVOY were copied onto disk via modem, cleaned, merged with sample numbers and stored for data analysis. The cleaned data was stored on disk and recalled for the computer assisted plotting. Most soil sample results were listed by grid coordinate, however numerous samples were collected along creeks, roads and trails and were given sequential sample numbers. These sample numbers were given coordinates

in a road soil data base and the corresponding results merged by computer.

The computer program has the capability of sorting ranges of data which was utilized to generate plots showing all sample sites but plotting only values above a minimum for:

Gold in soil	15 ppb
Mercury in soil	100 ppb
Arsenic in soil	40 ppm

Although the soil samples were analyzed for gold, mercury, arsenic, antimony, copper, lead and silver only the gold, mercury and arsenic values have been plotted at a scale of 1:5,000 (Map 4A-Gold, Map 5A-Mercury, Map 6A-Arsenic).

The results show much of the grid to contain less than 15 ppb gold, with isolated values of 20 to 35 ppb gold. In the northwest area of the grid are two single sample gold in soil anomalies (140 and 80 ppb gold) in an area underlain by altered rhyolite that warrant further evaluation.

The mercury response for the northwest grid although low showed several weakly anomalous zones (>140 ppb) in areas underlain by altered sediments of the Jackass Mountain Group. Two sites strongly anomalous in mercury (5000 and 2250 ppb)

occur in an area underlain by altered sediments near the property boundary on line 50+00E at 105+00N.

The arsenic plot shows most of the soils in this area to contain less than 100 ppm.

4. ROCK SAMPLING RESULTS

The results of limited rock chip sampling in the areas of the northwest grids are shown as sample sites and listed in the legend on the (1:5000) Geology Plan (Maps 3A). This rock sampling did not show any significant results.

5. DISCUSSION

Although the geology of the northwest grid shows strong faulting and hydrothermal alteration in a volcanic sedimentary contact area the results of the soil sampling and 10 rock samples generally returned low gold, mercury and arsenic values.

Isolated soil sample sites at 44+00E 126+00N and 46+00E 122+00N anomalous in gold (80 ppb and 140 ppb) warrant further evaluation by additional soil and rock sampling in conjunction with prospecting and geological mapping.

6. REFERENCES

Duffell, McTaggard, 1950, Geological Survey of Canada
Memoir 262

Tipper, H.W. Geological Survey of Canada Open File 534

7. CERTIFICATE

I RUDOLF M. DURFELD, do hereby certify that:

- 1.) That I am a consulting geologist with offices at 180 Yorston Street, Williams Lake, B.C.
- 2.) That I am a graduate of the University of British Columbia, B.Sc. Geology 1972, and have practiced my profession with various mining and/or exploration companies and as an independant geological consultant since graduation.
- 3.) That I am a Fellow of the Geological Association of Canada (Member No: F3025), am a member of The British Columbia and Yukon Chamber of Mines and the Canadian Institute of Mining and Metallurgy.
- 4.) That I am the author of this report which is based on:
 - my personal knowledge of the property and surrounding area.
 - a compilation of the geological mapping and geochemical sampling that was conducted under my supervision.

Dated at Williams Lake, British Columbia, this 28 day of February 1990.


R.M. DURFELD, B.SC.

8. COST STATEMENT

GEOCHEMICAL ANALYSES

MIN EN LABS - 1,156 soil samples gold plus seven elements \$22/sample	\$ 25,432.00
- 10 rock samples gold plus seven elements \$27/sample	270.00

TECHNICAL STAFF

FIELD ASSISTANT - grid preparation and soil sample collection (T. Wozniak, C. Durfeld, N. St. Clair, S. Lehman) 38 man days @ \$140/day	5,320.00
GEOLOGIST - mapping and rock sampling (D. Dunlop, M. Terry, A. Hamilton) 8 man days @ \$170/day	1,360.00

ROOM AND BOARD

WATSON BAR CAMP - 46 man days @ \$35/day	1,610.00
--	----------

TRUCK RENTAL

including fuel - 14 days @ \$50	700.00
---------------------------------	--------

REPORT PREPARATION AND DRAFTING

1,500.00

TOTAL

\$ 36,192.00

Dated at Williams Lake, British Columbia, this 28 day of
February 1990.


R.M. DURFELD, B.SC.

APPENDIX I

SOIL SAMPLING RESULTS

Geochemical Analysis Certificate

9V-0745-SG1

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A.JACKSON

Date: JUL-28-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOILS samples submitted JUL-24-89 by R.DURFELD.

Sample Number	AU WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L60E 108+00N	5	49	24	107	0.8	28	1	110
L60E 108+25N	5	54	20	93	0.4	15	1	25
L60E 108+50N	5	30	16	89	0.4	16	2	5
L60E 108+75N	5	71	21	96	0.6	15	1	15
L60E 109+00N	5	78	18	89	0.6	24	1	40
L60E 109+25N	5	92	19	102	0.6	23	2	50
L60E 109+50N	5	21	12	74	0.4	10	1	5
L60E 109+75N	5	37	12	107	0.4	13	1	20
L60E 110+00N	5	53	18	91	0.4	18	2	100
L60E 110+25N	5	34	20	86	0.5	16	1	120
L60E 110+50N	5	39	14	73	0.4	23	1	50
L60E 110+75N	5	48	16	89	0.5	19	1	40
L60E 111+00N	5	38	16	67	0.4	15	1	55
L60E 111+25N	10	33	17	81	0.3	16	1	50
L60E 111+50N	5	41	20	80	0.7	15	1	55
L60E 111+75N	5	49	16	86	0.5	17	1	25
L60E 112+00N	5	38	15	64	0.4	19	1	155
L60E 112+25N	5	52	14	83	0.5	19	1	30
L60E 112+50N	5	50	15	85	0.5	23	1	55
L60E 112+75N	5	57	18	82	0.6	20	2	40
L60E 113+00N	5	44	14	77	0.4	15	2	25
L60E 113+25N	5	51	13	86	0.6	17	2	10
L60E 113+50N	5	88	22	87	1.0	22	1	75
L60E 113+75N	5	79	21	93	0.8	15	1	75
L60E 114+00N	5	70	18	95	0.6	21	3	45
L60E 114+25N	5	43	15	66	0.5	40	1	55
L60E 114+50N	5	80	19	86	0.9	20	1	135
L60E 114+75N	5	57	14	73	0.5	24	1	100
L60E 115+00N	10	64	22	92	0.6	21	2	70
L60E 115+25N	5	58	12	75	0.5	20	1	30

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0745-SG2

Company: CYPRUS GOLD CANADA

Date: JUL-28-89

Project:

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

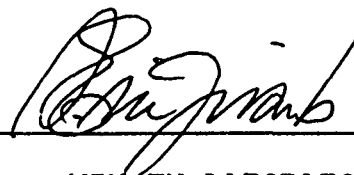
Attn: A.JACKSON

2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-24-89 by R.DURFELD.

Sample Number	AU WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L60E 115+50N	5	80	19	72	0.5	22	1	105
L60E 115+75N	10	71	16	65	0.4	20	1	105
L60E 116+00N	5	56	13	64	0.4	22	2	600
L60E 116+25N	5	55	14	67	0.6	16	1	25
L60E 116+50N	5	51	16	60	0.6	38	1	75
L60E 116+75N	5	61	14	62	0.4	22	1	45
L60E 117+50N	5	73	14	65	0.6	10	1	40
L60E 117+75N	5	58	14	80	0.3	17	2	65
L60E 118+00N	5	58	15	67	0.4	15	1	125
L60E 118+75N	5	42	13	70	0.3	16	1	30
L60E 119+00N	5	35	10	81	0.4	7	1	45
L60E 119+25N	5	48	13	80	0.3	14	1	25
L60E 119+50N	5	53	12	67	0.4	15	2	25
L60E 119+75N	5	60	14	70	0.6	22	1	75
L60E 120+00N	5	72	26	120	0.5	13	3	115
L62E 106+00N	5	48	13	62	0.3	14	1	25
L62E 106+25N	5	52	12	72	0.4	20	1	35
L62E 106+50N	5	45	16	70	0.4	10	1	10
L62E 106+75N	5	58	12	80	0.5	17	2	5
L62E 107+00N	10	64	16	80	0.6	19	1	60
L62E 107+25N	5	61	13	92	0.4	13	2	20
L62E 107+50N	5	48	12	80	0.4	12	1	5
L62E 107+75N	5	53	14	78	0.4	20	1	25
L62E 108+00N	5	45	14	72	0.3	11	1	30
L62E 108+25N	5	51	14	80	0.4	16	1	25
L62E 108+50N	5	38	11	60	0.4	11	1	5
L62E 108+75N	5	38	14	71	0.3	12	1	25
L62E 109+00N	5	34	13	63	0.4	13	1	15
L62E 109+25N	35	33	14	68	0.3	9	1	10
L62E 109+50N	5	32	12	67	0.3	11	1	15

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0745-SG3

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A. JACKSON

Date: JUL-28-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-24-89 by R. DURFELD.

Sample Number	AU WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L62E 110+00N	5	42	12	78	0.4	12	1	35
L62E 110+25N	5	45	13	71	0.4	15	2	35
L62E 110+50N	5	47	14	57	0.4	21	1	25
L62E 110+75N	10	48	15	70	0.2	12	1	40
L62E 111+00N	5	58	14	75	0.4	16	1	65

L62E 112+00N	5	75	14	73	0.7	10	1	155
L62E 112+25N	5	57	12	59	0.4	13	1	105
L62E 112+50N	5	47	12	71	0.4	12	2	15
L62E 112+75N	10	44	14	69	0.3	17	1	20
L62E 113+00N	5	60	12	71	0.4	18	1	75

L62E 113+25N	5	57	14	69	0.3	26	1	120
L62E 113+50N	5	64	16	69	0.5	27	1	120
L62E 113+75N	5	45	14	67	0.4	25	2	50
L62E 114+00N	5	49	15	60	0.5	34	3	95
L62E 114+25N	5	46	15	58	0.4	50	1	45

L62E 114+50N	5	54	13	64	0.4	20	2	45
L62E 114+75N	5	52	12	69	0.4	21	1	85
L62E 115+00N	5	52	14	70	0.4	15	1	50
L62E 115+25N	5	54	14	72	0.3	23	2	25
L62E 115+50N	5	47	12	62	0.4	14	1	30

L62E 115+75N	5	58	14	80	0.5	19	1	30
L62E 116+00N	5	59	15	78	0.4	18	2	20
L62E 116+25N	5	36	11	64	0.3	13	1	10
L62E 116+50N	5	33	13	57	0.4	14	2	10
L62E 116+75N	5	47	16	62	0.6	48	2	45

L62E 117+00N	5	58	13	65	0.5	25	1	850
L62E 117+25N	5	63	14	70	0.5	17	1	65
L62E 117+50N	5	70	43	65	0.6	18	1	85
L62E 117+75N	5	60	17	67	0.5	19	1	75
L62E 118+00N	5	55	18	72	0.4	23	1	50

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0745-SG4

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A. JACKSON

Date: JUL-28-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-24-89 by R. DURFELD.

Sample Number	AU WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L62E 118+25N	5	42	14	86	0.4	12	1	100
L62E 118+50N	5	69	19	98	0.4	23	2	145
L62E 118+75N	5	57	14	70	0.6	9	1	45
L62E 119+00N	5	60	14	73	0.4	12	1	75
L62E 119+25N	5	52	16	73	0.5	27	1	85

L62E 119+50N	5	45	18	56	0.5	32	2	80
L62E 119+75N	5	58	16	74	0.4	10	1	65
L62E 120+00N	5	64	16	88	0.6	13	1	120
L64E 107+00N	5	48	10	73	0.6	15	1	50
L64E 107+25N	5	44	12	72	0.4	14	1	55

L64E 107+50N	5	65	14	77	0.6	19	2	100
L64E 107+75N	5	59	16	74	0.4	15	2	50
L64E 108+00N	5	55	15	77	0.6	13	1	35
L64E 108+25N	5	60	18	74	0.6	18	1	55
L64E 108+50N	5	58	16	72	0.6	21	1	115

L64E 108+75N	5	59	15	74	0.6	17	1	65
L64E 109+25N	5	59	19	78	0.6	19	1	95
L64E 109+50N	5	46	18	64	0.5	28	1	110
L64E 109+75N	5	57	12	84	0.4	21	2	70
L64E 110+00N	5	55	16	77	0.5	22	2	65

L64E 110+25N	5	33	12	68	0.3	12	1	40
L64E 110+50N	5	45	16	59	0.4	33	1	75
L64E 110+75N	5	40	18	52	0.6	21	3	85
L64E 111+00N	5	39	15	52	0.5	25	1	65
L64E 111+25N	5	54	14	66	0.4	20	1	140

L64E 111+50N	5	65	18	69	0.5	24	2	105
L64E 111+75N	5	72	16	80	0.4	21	1	80
L64E 112+00N	5	63	16	75	0.5	16	1	90
L64E 112+25N	5	59	14	80	0.6	17	1	70
L64E 112+50N	5	57	15	66	0.6	18	1	95

Certified by *R. Durfeld*

Geochemical Analysis Certificate

9V-0745-SG5

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A.JACKSON

Date: JUL-28-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-24-89 by R.DURFELD.

Sample Number	AU WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L64E 112+75N	5	39	13	62	0.5	10	1	20
L64E 113+00N	5	29	10	52	0.2	13	1	25
L64E 113+25N	5	35	11	54	0.3	13	1	25
L64E 113+50N	5	53	14	60	0.4	17	1	60
L64E 113+75N	5	50	13	70	0.3	21	2	50
L64E 114+00N	5	48	10	66	0.4	21	1	50
L64E 114+25N	5	45	12	55	0.4	25	1	185
L64E 114+50N	5	70	15	58	0.6	17	2	90
L64E 114+75N	5	52	18	58	0.6	22	1	80
L64E 115+00N	5	53	16	65	0.5	18	2	70
L64E 115+25N	5	46	11	62	0.4	21	3	45
L64E 115+50N	5	44	12	83	0.3	22	1	55
L64E 115+75N	5	53	14	64	0.6	16	1	40
L64E 116+00N	5	37	12	64	0.4	10	2	20
L64E 116+25N	5	53	10	80	0.4	17	1	20
L64E 116+50N	5	50	11	79	0.3	17	1	15
L64E 116+75N	5	58	10	68	0.4	22	1	40
L64E 117+00N	5	44	12	58	0.4	23	2	25
L64E 117+25N	5	60	12	67	0.6	18	1	15
L64E 117+50N	5	35	14	62	0.4	10	1	5
L64E 117+75N	10	47	17	68	0.6	14	1	60
L64E 118+00N	5	48	12	59	0.6	8	3	20
L64E 118+25N	5	55	14	62	0.4	19	1	40
L64E 118+50N	5	41	12	56	0.3	8	1	5
L64E 118+75N	5	40	10	48	0.4	7	2	5
L64E 119+00N	5	38	10	50	0.4	6	1	10
L64E 119+25N	5	47	10	53	0.4	6	1	5
L64E 119+50N	5	37	10	44	0.2	5	3	5
L64E 119+75N	5	41	10	50	0.4	5	1	5
L64E 120+00N	5	54	13	60	0.4	10	1	40

Certified by 

Geochemical Analysis Certificate

9V-0745-SG6

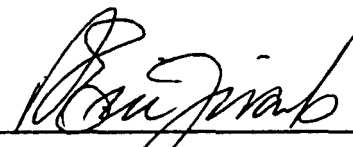
Company: CYPRUS GOLD CANADA
Project:
Attn: A. JACKSON

Date: JUL-28-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-24-89 by R. DURFELD.

Sample Number	AU WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L56E 108+00N	5	23	22	91	0.4	11	1	55
L56E 108+25N	5	29	14	77	0.4	8	1	15
L56E 108+50N	10	48	11	59	0.4	18	1	35
L56E 108+75N	5	34	13	68	0.3	10	1	25
L56E 109+00N	5	46	10	60	0.4	18	1	45
L56E 109+25N	5	30	12	64	0.4	12	1	25
L56E 109+50N	5	35	12	71	0.3	10	1	30
L56E 109+75N	5	47	14	80	0.5	12	1	45
L56E 110+00N	5	50	16	83	0.5	14	1	200
L56E 110+25N	5	37	15	86	0.4	13	1	55
L56E 111+00N	5	58	12	86	0.6	15	1	60
L56E 111+25N	5	50	12	84	0.4	16	2	45
L56E 111+50N	5	51	12	78	0.6	26	2	35
L56E 111+75N	5	54	14	76	0.5	22	1	80
L56E 112+00N	5	29	12	68	0.4	10	1	15
L56E 112+25N	5	44	20	84	0.5	19	1	160
L56E 112+50N	5	49	12	63	0.5	22	2	75
L56E 112+75N	5	39	12	66	0.6	9	3	60
L56E 113+25N	5	71	16	89	1.0	19	1	490
L56E 113+50N	5	45	10	67	0.4	18	2	20
L56E 113+75N	5	60	12	88	0.6	10	1	30
L56E 114+00N	5	42	12	93	0.4	8	1	40
L56E 114+25N	5	33	14	80	0.4	11	1	40
L56E 114+50N	5	36	12	77	0.5	13	1	55
L56E 114+75N	5	41	14	80	0.4	12	2	35
L56E 115+00N	5	67	15	68	0.6	13	1	90
L56E 115+25N	5	57	13	66	0.4	8	1	35
L56E 115+50N	5	67	14	70	0.6	4	1	40
L56E 115+75N	5	86	16	69	0.6	3	3	40
L56E 116+00N	5	43	12	48	0.4	19	1	55

Certified by



MIN-EN LABORATORIES

LABORATORIES

SPECIALISTS IN MINERAL ENVIRONMENTS
• ANALYSIS • TESTING • RESEARCH • CONSULTING

VANCOUVER OFFICE:
 705 WEST 15TH STREET
 NORTH VANCOUVER, B.C. CANADA V7M 1T2
 TELEPHONE (604) 980-5814 OR (604) 988-4524
 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

9V-0745-SG7

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A. JACKSON

Date: JUL-28-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-24-89 by R. DURFELD.

Sample Number	AU WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L56E 116+25N	5	28	12	66	0.4	16	1	30
L56E 116+50N	5	26	10	55	0.3	14	1	15
L56E 116+75N	5	23	12	59	0.2	4	1	15
L56E 117+00N	5	34	10	60	0.4	17	1	20
L56E 117+25N	5	27	10	53	0.4	13	1	10
L56E 117+50N	5	50	11	57	0.4	27	2	105
L56E 117+75N	5	34	10	58	0.3	16	1	40
L56E 118+00N	5	35	12	65	0.4	17	1	5
L56E 118+25N	5	58	13	62	0.4	18	3	80
L56E 118+50N	5	68	12	67	0.6	15	1	110
L56E 118+75N	5	82	16	67	0.6	19	3	175
L56E 119+00N	5	45	12	59	0.5	24	1	70
L56E 119+25N	5	37	13	62	0.4	20	1	5
L56E 119+50N	5	25	10	48	0.4	17	1	5
L56E 119+75N	5	50	12	57	0.4	28	2	265
L56E 120+00N	5	50	17	70	0.4	23	1	10
L58E 109+00N	5	40	10	53	0.5	16	1	5
L58E 109+25N	5	65	10	72	0.3	23	1	30
L58E 109+50N	5	62	12	73	0.4	18	2	5
L58E 109+75N	5	64	18	85	0.4	21	1	5
L58E 110+00N	5	68	16	84	0.3	19	1	5
L58E 110+25N	5	60	14	78	0.4	20	2	165
L58E 110+50N	5	49	17	84	0.4	17	1	20
L58E 110+75N	5	31	16	97	0.2	16	1	5
L58E 111+00N	5	64	16	85	0.3	19	3	5
L58E 111+25N	5	53	15	88	0.4	20	1	50
L58E 111+50N	5	42	12	82	0.4	19	1	50
L58E 112+00N	5	37	12	70	0.3	18	1	25
L58E 112+25N	5	37	15	118	0.4	19	1	75
L58E 112+50N	5	28	20	73	0.4	17	1	45

Certified by

MIN-EN LABORATORIES

LABORATORIES

SPECIALISTS IN MINERAL ENVIRONMENTS

VANCOUVER OFFICE:

705 WEST 15TH STREET
 NORTH VANCOUVER, B.C. CANADA V7M 1T2
 TELEPHONE (604) 980-5814 OR (604) 988-4524
 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

9V-0745-SG8

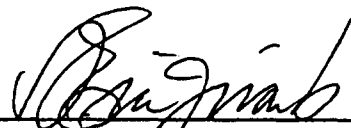
Company: CYPRUS GOLD CANADA
 Project:
 Attn: A.JACKSON

Date: JUL-28-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-24-89 by R.DURFELD.

Sample Number	AU WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L58E 112+75N	5	31	14	79	0.5	7	2	40
L58E 113+00N	5	34	16	82	0.3	12	1	50
L58E 113+25N	5	45	12	68	0.4	19	1	70
L58E 113+50N	5	68	10	76	0.4	13	2	75
L58E 113+75N	5	98	10	77	0.6	5	2	40
L58E 114+00N	5	70	12	78	0.4	7	1	10
L58E 114+25N	5	31	8	70	0.2	12	1	5
L58E 114+50N	5	36	12	66	0.3	15	1	5
L58E 114+75N	5	39	14	70	0.4	20	1	15
L58E 115+00N	5	40	15	70	0.2	19	1	5
L58E 115+25N	5	39	12	68	0.2	17	1	15
L58E 115+50N	5	41	12	70	0.4	20	1	20
L58E 115+75N	5	37	13	68	0.3	18	1	15
L58E 116+00N	5	40	15	69	0.4	16	1	25
L58E 116+25N	5	40	14	67	0.4	16	1	30
L58E 116+50N	5	48	14	74	0.4	19	2	45
L58E 116+75N	5	36	12	73	0.3	13	1	5
L58E 117+00N	5	50	12	66	0.4	21	1	30
L58E 117+25N	5	69	14	69	0.5	17	3	125
L58E 117+50N	5	44	12	63	0.4	21	1	5
L58E 117+75N	5	47	11	56	0.4	32	1	50
L58E 118+00N	5	48	12	68	0.4	32	1	5
L58E 118+25N	5	46	11	66	0.4	37	1	80
L58E 118+50N	5	50	14	80	0.6	22	1	5
L58E 118+75N	5	31	13	62	0.3	17	1	5
L58E 119+00N	5	44	12	74	0.4	15	1	10
L58E 119+25N	5	41	14	98	0.5	10	1	5
L58E 119+50N	5	36	14	72	0.3	10	1	15
L58E 119+75N	5	29	10	55	0.4	12	2	5
L58E 120+00N	5	40	12	66	0.4	15	2	45

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0788-SG1

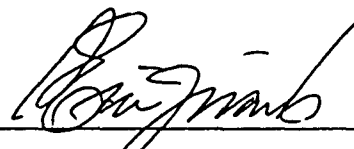
Company: CYPRUS GOLD CANADA
 Project:
 Attn: A.JACKSON/R.DURFELD

Date: AUG-05-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOL., WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-31-89 by R.DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L50E 120+00N	5	30	12	72	0.6	22	1	85
L50E 119+75N	10	20	10	73	0.4	11	1	100
L50E 119+50N	5	26	10	97	0.2	8	2	95
L50E 119+25N	5	17	10	67	0.3	9	1	90
L50E 119+00N	5	20	12	79	0.4	8	1	115
L50E 118+75N	5	18	10	84	0.3	7	1	120
L50E 118+50N	5	20	10	98	0.4	6	1	200
L50E 118+25N	5	28	12	73	0.4	11	1	90
L50E 118+00N	10	26	12	77	0.4	13	1	140
L50E 117+75N	5	25	11	83	0.4	14	1	100
L50E 117+50N	5	28	9	98	0.6	11	1	105
L50E 117+25N	5	24	10	73	0.4	12	1	85
L50E 117+00N	5	25	11	82	0.5	11	3	65
L50E 116+75N	10	27	12	76	0.4	9	1	110
L50E 116+50N	5	22	12	68	0.4	8	1	105
L50E 116+25N	10	22	12	57	0.4	11	1	90
L50E 116+00N	5	24	11	59	0.3	13	1	110
L50E 115+75N	5	26	13	60	0.4	11	1	140
L50E 115+50N	10	18	10	65	0.4	8	1	105
L50E 115+25N	5	23	12	56	0.4	12	1	125
L50E 115+00N	10	24	14	52	0.3	15	1	65
L50E 114+75N	5	24	12	56	0.4	13	1	55
L50E 114+50N	5	22	11	65	0.4	11	1	60
L50E 114+25N	5	38	16	57	0.6	15	2	125
L50E 114+00N	5	32	12	60	0.6	27	6	175
L50E 113+75N	5	18	11	50	0.4	8	1	70
L50E 113+50N	5	54	15	65	0.8	26	1	215
L50E 113+25N	10	50	18	92	0.5	17	2	75
L50E 113+00N	5	44	16	65	0.5	21	1	105
L50E 112+75N	5	24	11	94	0.4	9	1	110

Certified by



Geochemical Analysis Certificate

9V-0788-SG2

Company: CYPRUS GOLD CANADA
Project:
Attn: A. JACKSON/R. DURFELD

Date: AUG-06-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOL., WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-31-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L50E 112+50N	5	37	22	65	0.3	12	1	110
L50E 112+25N	10	33	17	66	0.4	16	1	90
L50E 112+00N	5	35	14	86	0.3	9	1	40
L50E 111+75N	5	25	13	112	0.2	8	1	10
L50E 111+50N	5	38	15	72	0.5	14	1	45
L50E 111+25N	5	38	17	67	0.6	16	1	60
L50E 111+00N	5	58	18	67	0.5	18	1	165
L50E 110+75N	5	25	13	59	0.3	13	2	70
L50E 110+50N	5	31	18	65	0.4	20	1	115
L50E 110+25N	5	46	17	88	0.2	13	1	75
L50E 110+00N	5	53	17	66	0.3	23	2	230
L50E 109+75N	10	44	15	53	0.6	28	1	95
L50E 109+50N	5	33	14	64	0.4	15	1	25
L50E 109+25N	5	22	14	65	0.2	11	1	75
L50E 109+00N	10	23	16	62	0.3	12	1	65
L50E 108+75N	5	23	15	63	0.4	12	1	70
L50E 108+50N	5	32	17	76	0.4	22	2	130
L50E 108+25N	5	36	14	71	0.3	14	1	115
L50E 108+00N	5	41	14	80	0.2	11	1	165
L50E 107+75N	5	41	15	67	0.5	13	1	185
L50E 107+50N	5	52	18	75	0.4	22	3	255
L50E 107+25N	5	48	13	72	0.3	10	1	85
L50E 107+00N	5	30	15	56	0.2	15	1	115
L50E 106+75N	5	54	16	58	0.3	16	4	195
L50E 106+50N	5	54	19	69	0.3	21	3	120
L50E 106+25N	5	36	14	55	0.2	14	1	170
L50E 106+00N N/S	ND	SAMPLE						
L50E 105+75N N/S	ND	SAMPLE						
L50E 105+50N	5	45	13	63	0.3	9	1	165
L50E 105+25N	5	50	16	67	0.3	21	2	5000

Certified by 

Geochemical Analysis Certificate

9V-0788-SG3

Company: CYPRUS GOLD CANADA

Date: AUG-09-89

Project:

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

Attn: A.JACKSON/R.DURFELD

2. DURFELD GEOL., WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-31-89 by R.DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L50E 105+00N	5	42	13	75	0.3	15	1	45
L50E 104+75N	5	58	16	78	0.6	18	1	90
L50E 104+50N	10	57	18	70	0.5	31	1	170
L50E 104+25N	10	57	15	77	0.4	26	1	40
L50E 104+00N	5	59	15	78	0.5	16	2	55
L50E 103+75N	5	54	17	85	0.5	13	2	2250
L50E 103+50N	5	49	18	93	0.4	16	1	100
L50E 103+25N	5	56	14	88	0.3	23	1	195
L50E 103+00N	5	66	14	75	0.3	24	3	100
L50E 102+75N	10	52	13	87	0.3	11	1	55
L50E 102+50N	5	48	17	101	0.3	10	1	45
L50E 102+25N	5	45	16	68	0.4	10	1	50
L50E 102+00N	5	43	14	65	0.5	13	1	20
L99E 102+00N E	5	119	17	95	0.3	93	1	470
L99E 102+20N E	5	107	21	98	1.0	98	2	1875
L99E 102+40N E	5	101	27	100	0.7	96	2	4250
L99E 102+60N E	5	102	23	121	0.6	97	1	550
L99E 102+80N E	10	82	20	100	1.0	375	5	510
L99E 103+00N E	5	90	26	105	1.0	1125	12	5875
L99E 103+20N E	5	93	15	95	0.8	94	1	640
L99E 103+40N E	10	85	16	81	1.1	375	1	510
L99E 103+60N E	5	17	10	70	0.4	64	1	20
L116E 100+00N	5	48	22	114	0.9	675	6	150
L116E 100+20N	5	47	21	185	0.7	300	1	90
L116E 100+40N	10	30	20	225	0.4	70	1	85
L116E 100+60N	5	38	18	108	0.3	87	1	75
L116E 100+80N	5	47	18	103	0.4	90	1	80
L116E 101+00N	5	51	15	78	0.3	99	1	315
L116E 101+20N	5	56	18	99	0.5	93	1	230
L116E 101+40N	5	38	22	69	0.3	82	1	185

Certified by _____

MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0788-SG6

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A.JACKSON/R.DURFELD

Date: AUG-08-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOL., WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-31-89 by R.DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L116E 113+40N	5	91	27	82	0.7	5	2	70
L116E 113+60N	5	37	18	75	0.3	1	1	20
L116E 113+80N	5	62	21	89	0.4	6	1	35
L116E 114+00N	5	23	16	85	0.3	3	3	90
L48E 101+00N	5	38	15	67	0.3	13	1	120
L48E 101+25N	5	59	23	82	0.9	25	2	150
L48E 101+50N	5	40	22	83	0.4	22	3	105
L48E 101+75N	5	48	20	80	0.6	25	1	40
L48E 102+00N	5	42	19	60	0.3	30	4	240
L48E 102+25N	5	44	19	78	0.5	26	1	45
L48E 102+50N	5	41	21	84	0.7	24	2	610
L48E 102+75N	5	44	18	78	0.3	30	3	30
L48E 103+00N	5	52	17	76	0.4	28	1	100
L48E 103+25N	10	38	15	88	0.2	20	1	75
L48E 103+50N	5	41	16	89	0.4	18	1	65
L48E 103+75N	5	30	16	74	0.3	17	1	75
L48E 104+00N	5	14	12	60	0.3	6	1	30
L48E 104+25N	10	31	15	74	0.4	16	1	85
L48E 104+50N	5	48	18	78	0.5	18	1	90
L48E 104+75N	5	51	22	49	0.7	29	1	250
L48E 105+00N	5	42	23	75	0.4	30	1	165
L48E 105+25N	5	19	14	50	0.2	12	5	40
L48E 105+50N	5	16	14	61	0.3	11	1	35
L48E 105+75N	5	24	15	64	0.4	12	1	5
L48E 106+00N	5	41	15	74	0.4	17	1	65
L48E 106+25N	5	59	17	77	0.6	22	3	220
L48E 106+50N	5	68	18	75	0.5	21	1	70
L48E 106+75N	5	31	17	73	0.4	10	1	40
L48E 107+00N	5	29	15	87	0.5	11	1	10
L48E 107+25N	5	25	17	120	0.4	9	4	5

Certified by _____

MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0788-SG7

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A. JACKSON/R. DURFELD

Date: AUG-08-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOL., WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-31-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L48E 107+50N	5	32	18	64	0.3	16	1	45
L48E 107+75N	5	17	15	90	0.4	11	2	5
L48E 108+00N	5	45	18	75	0.3	24	2	10
L48E 108+25N	5	23	17	96	0.5	12	4	25
L48E 108+50N	5	32	20	73	0.4	18	1	35
L48E 108+75N	5	33	19	84	0.4	16	1	5
L48E 109+00N	5	44	21	71	0.6	32	1	5
L48E 109+25N	10	34	18	78	0.7	18	2	5
L48E 109+50N	5	50	19	81	0.6	30	1	35
L48E 109+75N	5	24	27	73	0.5	17	2	340
L48E 110+00N	5	51	20	78	0.6	23	1	125
L48E 110+25N	5	39	23	85	0.4	22	2	255
L48E 110+50N	5	56	22	82	0.4	24	1	80
L48E 110+75N	5	34	22	84	0.5	24	1	285
L48E 111+00N	5	99	19	43	0.7	31	3	165
L48E 111+25N	5	41	23	88	0.4	23	1	15
L48E 111+50N	5	43	22	99	0.5	21	3	30
L48E 111+75N	5	53	22	84	0.6	25	5	10
L48E 112+00N	5	59	24	69	0.4	37	1	70
L48E 112+25N	5	46	23	81	0.5	18	1	5
L48E 112+50N	5	61	22	78	0.5	39	1	65
L48E 112+75N	5	45	21	69	0.6	33	2	15
L48E 113+00N	5	56	22	76	0.7	30	1	10
L48E 113+25N	5	62	19	73	0.4	30	1	265
L48E 113+50N	5	65	23	75	0.4	23	1	140
L48E 113+75N	5	49	16	85	0.3	22	1	50
L48E 114+00N	5	53	18	79	0.3	23	1	25
L48E 114+25N	5	43	17	76	0.4	22	2	35
L48E 114+50N	5	66	20	93	0.9	18	1	110
L48E 114+75N	5	46	18	55	0.6	21	1	175

Certified by _____

MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0788-SG8

Company: CYPRUS GOLD CANADA

Project:

Attn: A. JACKSON/R. DURFELD

Date: AUG-08-89

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

2. DURFELD GEOL., WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 29 SOIL samples submitted JUL-31-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L48E 115+00N	5	38	17	70	0.4	21	1	30
L48E 115+25N	5	43	18	102	0.5	19	2	60
L48E 115+50N	10	50	16	87	0.5	23	1	70
L48E 115+75N	5	45	16	83	0.4	48	1	50
L48E 116+00N	5	48	15	118	0.3	18	1	10

L48E 116+25N	NO	SAMPLE						
L48E 116+50N	5	35	17	82	0.4	15	1	20
L48E 116+75N	5	48	18	82	0.6	21	3	30
L48E 117+00N	5	44	14	89	0.4	19	3	70
L48E 117+25N	5	36	15	87	0.4	15	1	10

L48E 117+50N	5	61	16	80	0.5	26	1	65
L48E 117+75N	5	68	17	82	0.7	26	1	60
L48E 118+00N	5	52	16	73	0.8	20	1	20
L48E 118+25N	5	45	19	93	0.5	14	2	35
L48E 118+50N	5	47	18	74	0.6	19	1	10

L48E 118+75N	5	45	25	92	0.6	13	1	5
L48E 119+00N	5	59	24	80	0.4	19	1	50
L48E 119+25N	5	37	21	76	0.7	13	3	5
L48E 119+50N	5	49	16	48	0.5	38	2	15
L48E 119+75N	5	47	18	57	0.4	25	1	70

L48E 120+00N	5	43	19	63	0.4	21	1	85
L108E 9500N	5	198	19	80	0.6	475	1	2125
L108E 9520N	5	284	21	38	0.7	64	2	14500
L108E 9540N	5	155	23	66	0.9	350	3	5750
L108E 9560N	5	496	20	30	0.7	49	3	2750

L108E 9580N	5	171	19	80	0.6	69	3	2625
L108E 9600N	5	113	14	69	0.6	24	1	930
L108E 9620N	5	182	16	90	0.4	34	1	740
L108E 9640N	5	1109	42	143	0.5	88	1	630
L108E 9660N	5	437	28	125	1.1	2100	10	1970

Certified by _____

MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0788-SG9

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A. JACKSON/R. DURFELD

Date: AUG-09-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOL., WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-31-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L108E 9680N	5	254	42	88	1.2	2050	40	1465
L108E 9700N	5	244	28	90	0.7	900	39	2875
L118E 10440N S	5	26	19	68	0.5	1825	7	100
L118E 10460N S	10	60	49	71	0.4	2000	15	1875
L118E 10480N S	5	82	24	44	0.5	325	1	1675
L118E 10490N S	5	64	36	86	0.6	750	27	1375
L118E 10500N E	150	142	125	293	1.8	4375	20	1070
L118E 10520N E	5	69	27	78	0.6	82	5	300
L118E 10540N E	5	84	18	76	0.6	350	1	170
L118E 10560N E	5	67	23	138	0.6	200	3	115
L118E 10580N E	5	79	28	66	0.7	90	1	295
L118E 10600N E	5	62	29	76	0.9	250	3	400
L118E 10620N E	5	91	26	105	1.0	43	1	60
117+80E 105+40N	10	56	23	76	0.4	73	2	440
117+80E 104+40N	5	44	18	65	0.6	275	3	95
117+80E 104+60N	5	23	17	74	0.4	99	1	100
117+80E 104+80N	5	48	28	73	0.7	575	5	155
L52E 104+00N	5	31	14	58	0.3	20	1	5
L52E 104+25N	5	46	23	80	0.4	14	1	30
L52E 104+50N	10	45	19	85	0.7	15	6	135
L52E 104+75N	5	31	15	64	0.3	12	6	5
L52E 105+00N	5	49	21	104	0.3	11	1	5
L52E 105+25N	5	55	21	82	0.6	7	1	20
L52E 105+50N	10	62	17	71	0.6	8	2	25
L52E 105+75N	5	68	23	92	0.7	10	3	30
L52E 106+00N	5	74	22	81	0.9	14	2	220
L52E 106+25N	5	82	26	96	0.5	10	1	50
L52E 106+50N	5	42	22	69	0.6	6	1	10
L52E 106+75N	5	39	17	79	0.4	12	1	60
L52E 107+00N	5	38	21	70	0.6	10	1	55

Certified by _____

MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0788-SG10

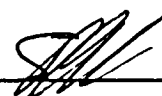
Company: CYPRUS GOLD CANADA
 Project:
 Attn: A. JACKSON/R. DURFELD

Date: AUG-08-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOL., WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 29 SOIL samples submitted JUL-31-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPB	HG PPB
L52E 107+25N	5	30	15	80	0.4	8	1	35
L52E 107+50N	5	34	16	72	0.3	13	1	20
L52E 107+75N	5	31	14	69	0.3	17	2	30
L52E 108+00N	5	40	18	70	0.3	28	1	70
L52E 108+25N	5	23	13	79	0.4	9	1	45
L52E 108+50N	5	55	12	71	0.3	17	2	295
L52E 108+75N	5	45	20	85	0.6	13	1	155
L52E 109+00N	5	47	21	95	0.4	17	4	85
L52E 109+25N	10	51	23	95	0.3	15	1	90
L52E 109+50N	NO	SAMPLE						
L52E 109+75N	5	32	17	90	0.2	18	1	85
L52E 110+00N	5	28	18	93	0.3	15	2	110
L52E 110+25N	5	16	12	79	0.2	5	1	85
L52E 110+50N	5	18	13	71	0.3	7	1	40
L52E 110+75N	5	18	15	72	0.2	8	2	70
L52E 111+00N	5	26	14	92	0.4	6	1	85
L52E 111+25N	5	36	17	117	0.4	8	1	65
L52E 111+50N	5	42	16	109	0.3	9	2	30
L52E 111+75N	5	41	15	78	0.5	18	2	155
L52E 112+00N	15	33	15	75	0.3	14	2	120
L52E 112+25N	5	39	14	57	0.4	22	1	195
L52E 112+50N	5	31	15	80	0.3	9	1	115
L52E 112+75N	5	48	14	65	0.4	18	1	100
L52E 113+00N	5	28	14	72	0.4	16	1	90
L52E 113+25N	5	34	22	83	0.4	7	2	55
L52E 113+50N	5	44	19	84	0.5	15	1	110
L52E 113+75N	5	25	13	64	0.6	8	1	45
L52E 114+00N	5	32	12	77	0.3	11	1	5
L52E 114+25N	5	20	14	140	0.4	3	1	20
L52E 114+50N	5	41	18	75	0.7	18	1	40

Certified by _____



Geochemical Analysis Certificate

9V-0788-SG11

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A.JACKSON/R.DURFELD

Date: AUG-08-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOL., WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-31-89 by R.DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L52E 114+75N	5	20	14	74	0.3	6	1	5
L52E 115+00N	5	31	15	71	0.4	9	1	5
L52E 115+25N	5	26	15	68	0.4	10	1	5
L52E 115+50N	5	31	18	82	0.6	12	5	55
L52E 115+75N	5	70	21	77	0.5	26	1	5
L52E 116+00N	5	32	18	73	0.6	8	4	5
L52E 116+25N	5	69	17	79	0.5	17	1	20
L52E 116+50N	5	70	19	69	0.9	26	1	10
L52E 116+75N	5	21	16	78	0.7	4	1	5
L52E 117+00N	5	110	18	86	0.8	19	1	340
L52E 117+25N	5	43	18	73	0.7	13	1	5
L52E 117+50N	5	84	21	84	0.9	13	1	35
L52E 117+75N	5	21	15	72	0.4	5	1	5
L52E 118+00N	5	43	18	75	0.7	9	1	5
L52E 118+25N	10	32	17	85	0.5	10	1	5
L52E 118+50N	5	67	24	90	0.6	14	3	5
L52E 118+75N	5	64	23	75	0.6	7	1	105
L52E 119+00N	5	68	17	90	0.5	22	1	20
L52E 119+25N	5	79	22	75	0.7	19	2	90
L52E 119+50N	5	91	18	93	0.6	17	4	65
L52E 119+75N	5	64	21	87	0.4	40	1	50
L52E 120+00N	5	38	14	105	0.6	12	1	5
109+00N 9700E	5	68	15	89	0.4	21	1	5
109+00N 9720E	10	118	22	94	0.4	12	2	85
109+00N 9740E	5	81	19	77	0.6	35	1	90
108+75N 9720E	5	89	20	84	0.9	19	4	190
108+75N 9740E	5	72	19	78	0.5	35	2	165
108+75N 9760E	5	53	58	108	0.6	57	1	140
108+50N 9760E	10	105	26	95	1.0	325	1	350
108+50N 9780E	5	81	15	76	0.5	41	1	65

Certified by _____

MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0788-SG12

Company: CYPRUS GOLD CANADA
Project:
Attn: A. JACKSON/R. DURFELD

Date: AUG-09-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOL., WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-31-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
108+50N 9800E	10	76	19	102	0.6	400	8	285
108+25N 9700E	10	59	23	105	0.4	50	1	200
108+25N 9720E	5	82	41	117	0.7	575	3	320
108+25N 9740E	5	82	15	142	0.3	21	3	200
L54E 106+00N	5	50	15	90	0.3	18	3	245
L54E 106+25N	5	43	14	91	0.2	14	1	120
L54E 106+50N	5	60	15	99	0.3	17	3	245
L54E 106+75N	10	45	12	75	0.2	8	1	75
L54E 107+00N	10	44	15	98	0.4	13	2	140
L54E 107+25N	10	38	14	89	0.3	10	1	100
L54E 107+50N	5	51	17	94	0.3	24	1	235
L54E 107+75N	5	44	16	87	0.4	15	1	125
L54E 108+00N	5	42	14	84	0.6	17	1	140
L54E 108+25N	5	33	18	74	0.5	16	1	110
L54E 108+50N	10	38	15	88	0.4	15	1	125
L54E 108+75N	5	34	19	72	0.3	22	1	265
L54E 109+00N	5	30	21	93	0.4	12	1	70
L54E 109+25N	10	25	14	76	0.3	11	1	95
L54E 109+50N	10	30	13	71	0.3	9	3	65
L54E 109+75N	5	24	15	72	0.4	14	1	135
L54E 110+00N	5	25	13	73	0.2	16	2	95
L54E 110+25N	5	29	16	77	0.3	14	2	110
L54E 110+50N	5	32	15	85	0.3	17	1	95
L54E 110+75N	5	33	13	82	0.2	13	1	75
L54E 111+00N	5	40	14	104	0.3	17	1	115
L54E 111+25N	5	43	17	84	0.3	19	2	120
L54E 111+50N	5	26	14	87	0.3	9	1	90
L54E 111+75N	5	28	15	108	0.2	11	1	110
L54E 112+00N	5	35	16	80	0.2	15	1	145
L54E 112+25N	10	34	16	77	0.2	10	3	185

Certified by _____

MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0788-SG13

Company: CYPRUS GOLD CANADA

Date: AUG-08-89

Project:

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

Attn: A. JACKSON/R. DURFELD

2. DURFELD GEOL., WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted JUL-31-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L54E 112+50N	5	33	14	78	0.3	20	1	90
L54E 112+75N	5	39	15	79	0.3	22	1	90
L54E 113+00N	5	35	14	80	0.2	16	3	70
L54E 113+25N	5	38	17	78	0.3	18	1	80
L54E 113+50N	5	28	13	72	0.3	24	1	55
L54E 113+75N	5	44	16	61	0.4	34	2	100
L54E 114+00N	5	47	18	79	0.2	32	1	60
L54E 114+25N	5	28	14	62	0.2	17	1	10
L54E 114+50N	5	41	16	87	0.3	18	2	15
L54E 114+75N	5	32	18	79	0.4	17	1	10
L54E 115+00N	5	35	17	68	0.2	35	1	50
L54E 115+25N	5	48	15	71	0.3	33	1	40
L54E 115+50N	5	31	14	73	0.3	19	1	90
L54E 115+75N	5	26	14	71	0.2	12	1	60
L54E 116+00N	5	39	18	77	0.4	14	1	45
L54E 116+25N	5	17	18	79	0.7	16	8	55
L54E 116+50N	10	36	14	89	0.6	11	3	30
L54E 116+75N	5	73	22	86	0.7	9	2	35
L54E 117+00N	5	90	23	82	1.0	13	1	195
L54E 117+25N	5	76	19	95	0.7	8	1	135
L54E 117+50N	5	57	18	105	0.6	9	1	5
L54E 117+75N	5	145	22	66	0.5	22	3	105
L54E 118+00N	5	71	16	72	0.3	14	1	120
L54E 118+25N	5	66	14	93	0.3	22	1	50
L54E 118+50N	5	87	21	85	0.4	21	2	115
L54E 118+75N	5	78	18	80	0.5	34	2	575
L54E 119+00N	5	67	15	95	0.3	31	4	100
L54E 119+25N	5	66	15	90	0.4	22	1	10
L54E 119+50N	5	75	16	82	0.3	28	2	95
L54E 119+75N	5	63	15	117	0.4	24	1	120

Certified by _____



Geochemical Analysis Certificate

9V-0788-SG14


Company: CYPRUS GOLD CANADA
 Project:
 Attn: A. JACKSON/R. DURFELD

Date: AUG-07-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOL., WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 1 SOIL samples submitted JUL-31-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L54E 120+00N	5	44	16	62	0.6	35	2	5

Certified by _____



MIN-EN LABORATORIES



MIN-EN LABORATORIES

SPECIALISTS IN MINERAL ENVIRONMENTS

705 WEST 15TH STREET • VANCOUVER, B.C. CANADA V7M 1T2

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
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

9V-0835-SG1

Company: CYPRUS GOLD CANADA

Date: AUG-11-89

Project:

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

Attn: A.JACKSON/R.DURFELD

2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-05-89 by R.DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L42E 100+00N	5	28	20	60	0.6	5	1	40
L42E 100+25N	5	75	19	75	1.1	20	6	140
L42E 100+50N	10	24	14	89	0.7	6	1	5
L42E 100+75N	5	23	13	92	0.7	5	1	5
L42E 101+00N	5	27	12	93	0.5	7	1	5
L42E 101+25N	5	29	14	79	0.4	6	2	5
L42E 101+50N	5	31	14	83	0.7	7	1	15
L42E 101+75N	5	33	16	80	0.6	6	1	125
L42E 102+00N	10	32	14	86	0.8	8	2	25
L42E 102+25N	5	34	14	87	0.8	7	4	30
L42E 102+50N	5	43	15	70	0.6	7	1	5
L42E 102+75N	5	57	17	69	0.9	12	1	25
L42E 103+00N	5	67	16	89	0.8	9	1	70
L42E 103+25N	5	68	15	71	1.0	8	3	55
L42E 103+50N	5	84	16	79	0.6	8	1	65
L42E 103+75N	5	82	18	81	0.8	12	4	105
L42E 104+00N	5	81	17	88	0.7	11	1	125
L42E 104+25N	5	67	14	74	1.2	16	5	145
L42E 104+50N	5	56	16	86	0.7	12	1	50
L42E 104+75N	5	69	14	78	1.5	9	1	65
L42E 105+00N	10	50	14	80	0.9	8	1	65
L42E 105+25N	15	36	10	85	0.6	6	2	30
L42E 105+50N	5	47	12	66	0.6	7	2	30
L42E 105+75N	5	24	12	69	0.5	5	1	45
L42E 106+00N	5	63	17	72	0.7	6	1	55
L42E 106+25N	5	56	18	74	0.6	9	1	10
L42E 106+50N	5	23	13	68	0.5	6	1	50
L42E 106+75N	5	14	14	63	0.5	5	2	25
L42E 107+00N	5	16	13	54	0.6	4	1	35
L42E 107+25N	5	25	12	68	0.4	7	2	40

Certified by

MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0835-SG2

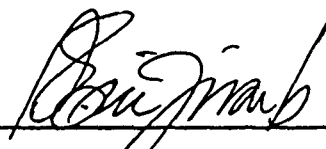
Company: CYPRUS GOLD CANADA
Project:
Attn: A. JACKSON/R. DURFELD

Date: AUG-11-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 28 SOIL samples submitted AUG-05-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L42E 107+50N	5	29	12	89	0.6	5	2	15
L42E 107+75N	5	30	14	72	0.4	5	1	25
L42E 108+00N	10	41	14	62	0.6	6	1	35
L42E 108+25N	5	24	11	100	0.4	5	1	50
L42E 108+50N	5	26	12	94	0.5	7	1	85
L42E 108+75N	5	42	14	75	0.4	12	1	120
L42E 109+00N	5	32	16	84	0.6	9	1	90
L42E 109+25N	5	31	14	74	0.4	7	2	55
L42E 109+50N	5	71	18	85	0.6	11	1	495
L42E 109+75N	10	28	13	110	0.3	12	1	275
L42E 110+00N	5	46	14	91	0.4	11	1	270
L42E 110+25N	5	46	15	93	0.5	10	1	125
L42E 110+50N	5	40	14	89	0.4	16	1	230
L42E 110+75N	5	26	12	93	0.4	4	2	135
L42E 111+00N	5	23	11	91	0.4	6	1	105
L42E 111+25N	10	29	15	93	0.4	10	1	95
L42E 111+50N	5	21	14	86	0.5	6	1	125
L42E 111+75N	5	17	13	71	0.3	4	3	60
L42E 112+00N	10	21	14	68	0.3	10	1	110
L42E 112+25N	10	22	14	75	0.5	12	1	95
L42E 112+50N	ND	SAMPLE						
L42E 112+75N	ND	SAMPLE						
L42E 113+00N	5	17	13	74	0.5	5	1	135
L42E 113+25N	5	20	12	175	0.4	4	3	100
L42E 113+50N	5	25	12	93	0.4	4	1	50
L42E 113+75N	5	35	13	74	0.4	8	1	145
L42E 114+00N	5	63	16	79	0.7	15	2	135
L42E 114+25N	5	60	16	78	0.6	14	1	100
L42E 114+50N	5	37	13	64	0.4	16	3	90
L42E 114+75N	10	28	14	69	0.4	9	1	115

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0835-SG3

Company: CYPRUS GOLD CANADA

Project:

Attn: A. JACKSON/R. DURFELD

Date: AUG-11-89

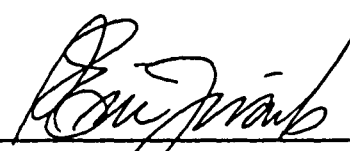
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.

2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 29 SOIL samples submitted AUG-05-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L42E 115+00N	10	36	18	85	0.4	12	2	115
L42E 115+25N	5	44	16	77	0.4	7	4	50
L42E 115+50N	5	57	14	84	0.4	9	1	65
L42E 115+75N	10	34	13	94	0.5	6	1	95
L42E 116+00N	5	25	12	140	0.3	7	1	100
L42E 116+25N	5	41	11	85	0.4	15	4	145
L42E 116+50N	10	47	14	110	0.5	8	4	125
L42E 116+75N	5	74	14	121	0.5	21	1	140
L42E 117+00N	5	33	10	90	0.4	8	1	195
L42E 117+25N	5	26	10	90	0.4	5	2	65
L42E 117+50N	10	19	12	73	0.3	5	1	155
L42E 117+75N	5	26	12	69	0.4	7	1	70
L42E 118+00N	5	27	10	78	0.5	8	1	85
L42E 118+25N	5	26	11	91	0.4	7	1	45
L42E 118+50N	5	32	12	75	0.4	10	1	115
L42E 118+75N	5	16	10	72	0.3	6	2	110
L42E 119+00N	10	21	10	81	0.3	4	1	95
L42E 119+25N	5	25	8	108	0.4	3	2	130
L42E 119+50N	5	17	10	54	0.4	2	1	85
L42E 119+75N	5	23	42	69	1.8	3	1	70
L42E 120+00N	NO	SAMPLE						
L44E 122+75N	5	23	8	72	0.2	5	1	95
L44E 123+00N	5	31	11	84	0.4	6	3	105
L44E 123+25N	10	26	10	108	0.3	3	1	140
L44E 123+50N	5	24	12	73	0.4	5	1	150
L44E 123+75N	5	35	11	68	0.3	6	1	160
L44E 124+00N	5	43	10	76	0.4	8	4	140
L44E 124+25N	5	27	10	72	0.3	5	1	155
L44E 124+50N	5	48	10	85	0.2	4	1	115
L44E 124+75N	5	47	8	61	0.3	3	1	135

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0835-SG4

Company: CYPRUS GOLD CANADA
Project:
Attn: A.JACKSON/R.DURFELD

Date: AUG-11-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-05-89 by R.DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPM
L44E 125+00N	5	32	13	71	0.5	7	1	155
L44E 125+25N	10	45	10	64	0.4	4	1	110
L44E 125+50N	5	23	12	67	0.4	14	2	85
L44E 125+75N	10	28	11	65	0.3	17	1	135
L44E 126+00N	80	35	10	54	0.4	26	1	5
L44E 126+25N	5	37	12	54	0.2	27	1	65
L44E 126+50N	5	19	8	40	0.2	14	1	5
L44E 126+75N	5	19	8	47	0.3	12	1	50
L44E 127+00N	5	28	10	68	0.2	12	1	55
L44E 127+25N	10	24	10	69	0.4	13	1	25
L44E 127+50N	20	34	11	71	0.2	12	1	35
L44E 127+75N	10	28	10	58	0.3	13	1	5
L44E 128+00N	5	26	11	65	0.4	16	1	10
L44E 128+25N	10	28	10	51	0.2	15	1	55
L44E 128+50N	5	35	10	41	0.2	19	3	5
L44E 128+75N	5	32	11	46	0.4	19	1	15
L44E 129+00N	5	41	10	49	0.3	23	1	5
L44E 129+25N	10	30	10	61	0.4	14	3	15
L44E 129+50N	5	37	9	58	0.3	25	2	55
L44E 129+75N	5	33	12	77	0.2	14	1	50
L44E 130+00N	5	50	14	62	0.6	15	1	50
L44E 98+00N	5	52	13	74	0.4	6	1	55
L44E 98+25N	5	41	12	88	0.3	5	1	10
L44E 98+50N	5	61	15	77	0.4	7	1	80
L44E 98+75N	5	56	12	79	0.5	5	2	45
L44E 99+00N	5	62	14	79	0.8	6	2	60
L44E 99+25N	5	106	22	83	1.1	14	1	200
L44E 99+50N	5	113	21	101	0.8	13	1	105
L44E 99+75N	5	88	22	81	0.7	7	2	95
L44E 100+00N	5	66	16	92	0.5	13	1	90

Certified by 

Geochemical Analysis Certificate

9V-0835-SG5

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A. JACKSON/R. DURFELD

Date: AUG-11-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-05-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L44E 100+25N	5	62	16	75	0.5	9	3	160
L44E 100+50N	10	67	18	88	0.4	11	1	165
L44E 100+75N	5	76	18	87	0.6	10	4	245
L44E 101+00N	5	98	20	83	0.8	8	2	190
L44E 101+25N	10	64	19	67	0.6	14	2	240
L44E 101+50N	5	31	15	98	0.4	5	1	140
L44E 101+75N	5	19	12	128	0.3	5	1	200
L44E 102+00N	5	30	12	57	0.4	4	1	130
L44E 102+25N	5	58	16	109	0.4	3	1	100
L44E 102+50N	5	37	14	66	0.4	2	1	230
L44E 102+75N	10	52	18	87	0.6	2	2	195
L44E 103+00N	5	58	18	95	0.5	4	1	160
L44E 103+25N	20	40	15	71	0.4	14	1	220
L44E 103+50N	10	44	14	73	0.5	10	1	180
L44E 103+75N	5	47	16	74	0.4	7	2	165
L44E 104+00N	5	30	12	61	0.3	7	1	120
L44E 104+25N	5	39	14	82	0.5	6	3	20
L44E 104+50N	5	29	10	61	0.3	10	3	60
L44E 104+75N	5	22	12	59	0.4	6	1	35
L44E 105+00N	5	20	11	82	0.3	4	1	50
L44E 105+25N	10	23	11	59	0.4	5	3	45
L44E 105+50N	5	19	10	66	0.3	5	1	120
L44E 105+75N	5	36	13	65	0.4	7	1	105
L44E 106+00N	5	43	16	61	0.6	8	1	135
L44E 106+25N	10	42	16	82	0.4	8	2	105
L44E 106+50N	5	29	14	74	0.4	6	2	80
L44E 106+75N	5	43	16	69	0.7	9	1	125
L44E 107+00N	20	40	16	75	0.4	3	1	90
L44E 107+25N	5	33	14	73	0.4	2	1	60
L44E 107+50N	5	99	18	78	0.7	9	3	115

Certified by 

Geochemical Analysis Certificate

9V-0835-SG6

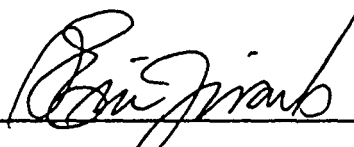
Company: CYPRUS GOLD CANADA
 Project:
 Attn: A.JACKSON/R.DURFELD

Date: AUG-11-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-05-89 by R.DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L44E 107+75N	10	19	14	70	0.4	4	1	65
L44E 108+00N	5	34	12	97	0.6	4	2	5
L44E 108+25N	5	21	11	78	0.3	5	1	30
L44E 108+50N	10	19	12	62	0.2	4	1	5
L44E 108+75N	5	49	12	89	0.3	11	1	5
L44E 109+00N	5	44	20	102	0.5	6	1	200
L44E 109+25N	10	29	22	195	0.6	7	2	65
L44E 109+50N	5	31	16	144	0.6	15	1	95
L44E 109+75N	20	21	17	205	0.4	4	1	85
L44E 110+00N	5	22	18	134	0.4	5	2	95
L44E 110+25N	5	17	15	99	0.3	3	2	90
L44E 110+50N	5	14	14	95	0.3	2	1	115
L44E 110+75N	5	16	16	170	0.3	3	1	205
L44E 111+00N	10	19	14	118	0.4	5	2	155
L44E 111+25N	5	23	14	68	0.3	9	2	105
L44E 111+50N	5	19	16	76	0.4	8	1	50
L44E 111+75N	5	21	10	82	0.3	6	1	130
L44E 112+00N	10	20	10	84	0.2	3	1	45
L44E 112+25N	5	18	10	65	0.3	4	1	110
L44E 112+50N	5	21	10	88	0.3	3	2	40
L44E 112+75N	5	34	12	73	0.5	13	3	165
L44E 113+00N	5	41	14	68	0.6	20	1	140
L44E 113+25N	5	31	11	153	0.7	5	1	90
L44E 113+50N	20	16	12	82	0.6	2	1	85
L44E 113+75N	10	17	12	101	0.7	2	1	15
L44E 114+00N	5	13	10	69	0.7	1	1	140
L44E 114+25N	10	12	10	55	0.7	2	1	80
L44E 114+50N	5	13	10	70	0.6	2	1	90
L44E 114+75N	5	12	6	98	0.3	1	2	100
L44E 115+00N	5	17	10	104	0.4	2	1	100

Certified by _____



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0835-SG7

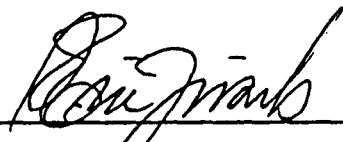
Company: CYPRUS GOLD CANADA
Project:
Attn: A. JACKSON/R. DURFELD

Date: AUG-11-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-05-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L44E 115+25N	5	18	11	76	0.2	6	1	5
L44E 115+50N	5	37	16	445	0.4	6	1	25
L44E 115+75N	5	20	19	94	0.3	2	5	5
L44E 116+00N	5	10	8	28	0.2	5	1	55
L44E 116+25N	5	14	10	39	0.4	11	1	35
L44E 116+50N	5	55	17	64	0.2	18	3	10
L44E 116+75N	5	29	13	48	0.4	9	1	30
L44E 117+00N	5	17	35	34	0.8	51	3	25
L44E 117+25N	5	25	16	67	0.2	7	1	35
L44E 117+50N	5	14	10	57	0.2	3	4	45
L44E 117+75N	5	25	14	79	0.4	2	1	5
L44E 118+00N	5	27	11	77	0.2	2	1	45
L44E 118+25N	5	22	12	66	0.3	7	1	20
L44E 118+50N	5	19	10	64	0.4	10	1	35
L44E 118+75N	5	26	14	68	0.2	4	6	55
L44E 119+00N	5	23	10	82	0.4	8	1	65
L44E 119+25N	5	31	14	80	0.4	7	1	100
L44E 119+50N	5	34	11	104	0.2	4	1	45
L44E 119+75N	5	39	14	55	0.4	1	1	85
L44E 120+00N	5	14	10	42	0.3	2	1	90
L46E 99+00N	5	43	15	72	0.4	16	1	60
L46E 99+25N	5	47	15	76	0.3	12	1	70
L46E 99+50N	5	75	18	92	0.4	7	4	90
L46E 99+75N	5	74	16	86	0.4	6	2	95
L46E 100+00N	5	20	10	66	0.2	3	3	105
L46E 100+25N	5	33	12	78	0.3	11	1	70
L46E 100+50N	5	39	12	81	0.2	15	2	65
L46E 100+75N	5	37	14	77	0.4	15	1	125
L46E 101+00N	5	24	15	98	0.5	10	1	115
L46E 101+25N	5	31	14	76	0.2	6	2	75

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0835-SG8

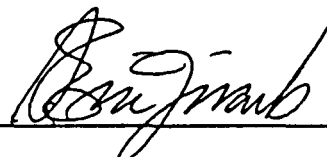
Company: CYPRUS GOLD CANADA
 Project:
 Attn: A.JACKSON/R.DURFELD

Date: AUG-11-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-05-89 by R.DURFELD.

Sample Number	AU-WET PPM	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPM
L46E 101+50N	5	39	16	65	0.4	8	2	5
L46E 101+75N	5	53	16	69	0.4	6	1	15
L46E 102+00N	10	68	20	78	0.6	9	1	5
L46E 102+25N	5	55	16	82	0.4	8	1	10
L46E 102+50N	5	31	14	68	0.4	10	1	5
L46E 102+75N	5	28	13	80	0.2	11	1	10
L46E 103+00N	10	56	18	78	0.4	24	3	55
L46E 103+25N	5	35	14	70	0.3	19	1	30
L46E 103+50N	5	36	15	63	0.4	20	1	50
L46E 103+75N	5	38	12	77	0.5	18	1	45
L46E 104+00N	10	26	12	67	0.5	11	2	20
L46E 104+25N	10	33	14	72	0.4	12	1	80
L46E 104+50N	5	27	14	62	0.4	10	1	50
L46E 104+75N	5	25	14	58	0.2	13	1	45
L46E 105+00N	5	25	15	69	0.4	13	3	45
L46E 105+25N	5	24	12	71	0.4	11	1	15
L46E 105+50N	5	43	18	83	0.4	13	1	50
L46E 105+75N	10	41	16	66	0.3	14	1	30
L46E 106+00N	5	64	15	68	0.6	7	1	40
L46E 106+25N	5	38	15	73	0.4	4	1	55
L46E 106+50N	5	44	19	85	0.5	7	1	65
L46E 106+75N	10	44	15	89	0.4	8	1	15
L46E 107+00N	10	41	16	64	0.5	9	5	10
L46E 107+25N	5	30	12	74	0.4	8	1	5
L46E 107+50N	10	31	14	79	0.4	9	1	5
L46E 107+75N	5	28	12	73	0.4	9	1	5
L46E 108+00N	5	31	13	71	0.3	10	2	10
L46E 108+25N	5	30	14	72	0.3	11	1	5
L46E 108+50N	5	28	12	70	0.4	8	3	5
L46E 108+75N	10	25	14	84	0.5	12	1	10

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0835-SG9

Company: CYPRUS GOLD CANADA
Project:
Attn: A. JACKSON/R. DURFELD

Date: AUG-12-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-05-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L46E 109+00N	5	48	21	95	0.4	15	3	75
L46E 109+25N	5	29	16	84	0.4	15	1	90
L46E 109+50N	10	32	14	95	0.5	12	1	310
L46E 109+75N	5	21	13	100	0.2	14	1	80
L46E 110+00N	5	22	14	125	0.4	10	1	65
L46E 110+25N	10	21	14	109	0.4	11	1	80
L46E 110+50N	5	26	16	93	0.3	13	1	115
L46E 110+75N	5	23	14	82	0.4	12	1	95
L46E 111+00N	5	25	16	98	0.4	15	1	80
L46E 111+25N	10	24	18	100	0.3	11	2	105
L46E 111+50N	5	21	14	94	0.4	10	1	80
L46E 111+75N	5	23	16	90	0.4	11	1	80
L46E 112+00N	5	34	18	83	0.4	20	2	105
L46E 112+25N	5	20	12	100	0.3	8	1	70
L46E 112+50N	10	25	16	77	0.4	13	1	100
L46E 112+75N	5	36	18	97	0.4	14	1	150
L46E 113+00N	5	44	18	96	0.3	17	1	135
L46E 113+25N	5	19	12	120	0.2	7	1	95
L46E 113+50N	5	26	12	121	0.4	8	1	105
L46E 113+75N	10	25	15	93	0.4	8	1	75
L46E 114+00N	5	47	16	72	0.5	23	2	115
L46E 114+25N	5	35	14	75	0.3	12	1	70
L46E 114+50N	5	28	16	145	0.2	11	1	30
L46E 114+75N	10	36	17	92	0.4	15	1	85
L46E 115+00N	5	35	15	97	0.3	13	3	50
L46E 115+25N	5	29	14	98	0.4	13	1	50
L46E 115+50N	10	23	13	80	0.4	10	1	60
L46E 115+75N	5	24	12	93	0.3	9	1	40
L46E 116+00N	10	21	12	100	0.4	8	1	50
L46E 116+25N	10	16	10	101	0.3	6	1	25

Certified by _____

MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0835-SG10

Company: CYPRUS GOLD CANADA
Project:
Attn: A.JACKSON/R.DURFELD

Date: AUG-12-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-05-89 by R.DURFELD.

Sample Number	AU-WET PPM	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L46E 116+50N	5	20	10	180	0.3	5	1	75
L46E 116+75N	10	28	12	69	0.2	11	1	90
L46E 117+00N	20	36	12	65	0.2	13	2	75
L46E 117+25N	10	30	14	66	0.4	10	1	80
L46E 117+50N	5	23	15	63	0.2	6	1	60
L46E 117+75N	5	36	16	69	0.4	4	3	65
L46E 118+00N	5	32	14	71	0.5	5	1	50
L46E 118+25N	5	36	13	98	0.3	4	1	55
L46E 118+50N	10	18	11	56	0.3	5	1	50
L46E 118+75N	5	26	14	70	0.2	6	1	65
L46E 119+00N	5	25	12	69	0.2	7	1	60
L46E 119+25N	10	20	14	81	0.2	10	1	75
L46E 119+50N	5	20	11	66	0.4	5	1	70
L46E 119+75N	5	38	13	59	0.2	8	3	65
L46E 120+00N	5	44	18	57	0.4	25	4	260
DR 61	NO	SAMPLE						
DR 62	10	98	22	64	0.4	375	2	2125
DR 63	5	60	16	58	0.4	70	2	420
DR 64	5	59	56	80	0.4	88	3	555
DR 65	5	60	24	65	0.5	600	1	1095
DR 66	5	46	11	54	0.2	25	2	150
DR 67	5	58	10	69	0.2	51	1	85
DR 68	10	38	10	37	0.3	38	1	155
DR 69	5	54	16	66	0.4	325	3	465
DR 70	5	56	18	77	0.4	58	1	95
DR 71	10	49	21	73	0.5	300	1	650
DR 72	10	62	32	79	1.0	650	2	1195
DR 73	5	28	12	81	0.4	33	1	35
DR 74	5	50	18	60	0.6	575	6	1320
DR 75	5	46	18	190	0.6	375	1	155

Certified by _____



Geochemical Analysis Certificate

9V-0835-SG11

Company: CYPRUS GOLD CANADA
Project:
Attn: A.JACKSON/R.DURFELD

Date: AUG-12-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 29 SOIL samples submitted AUG-05-89 by R.DURFELD.

Sample Number	AU-WET PPB	CU FPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
DR 76	40	66	98	172	1.2	475	2	230
DR 77	5	57	19	130	0.5	98	1	300
DR 78	5	67	19	100	0.5	33	3	90
DR 79	10	56	16	80	0.6	29	8	150
DR 80	5	63	27	101	0.6	375	7	280
DR 81	5	62	26	98	0.4	575	4	720
DR 82	5	68	19	87	0.4	175	1	190
DR 83	10	84	29	123	0.5	475	1	335
DR 84	10	64	26	100	0.9	375	1	200
DR 85	5	38	17	92	0.6	32	3	60
DR 86	5	73	22	90	0.5	65	1	30
DR 87	5	44	18	100	0.5	25	1	10
DR 88	5	72	19	92	0.4	44	1	40
DR 89	10	54	19	100	0.4	26	1	25
DR 90	5	86	21	95	0.6	32	1	85
DR 91	5	70	24	87	0.4	33	3	160
DR 92	120	61	25	88	0.4	49	1	60
DR 93	5	74	25	94	0.5	36	1	110
DR 94	15	72	29	184	0.5	38	1	70
DR 95	840	81	76	125	0.8	87	1	95
DR 96	3500	140	365	315	3.8	3125	1	230
DR 97	50	62	23	85	0.9	57	6	210
DR 98	5	70	21	91	0.6	33	1	40
DR 99	10	80	22	83	0.6	21	1	140
L42E B.L.	5	32	28	64	0.5	8	10	5
L44E 120+25N	5	20	33	50	0.8	6	4	5
L44E 120+50N	5	34	39	100	0.9	4	2	5
L44E 120+75N	5	22	13	53	0.4	10	2	20
L44E 121+00N	10	20	16	65	0.4	9	1	10
L44E 121+25N	5	26	19	75	0.5	10	1	10

Certified by _____

MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0835-SG12

Company: CYPRUS GOLD CANADA
Project:
Attn: A. JACKSON/R. DURFELD

Date: AUG-12-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 6 SOIL samples submitted AUG-05-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPM
L44E 121+50N	5	26	11	52	0.4	12	1	5
L44E 121+75N	10	23	10	68	0.3	9	1	10
L44E 122+00N	5	18	10	72	0.4	5	1	35
L44E 122+25N	5	40	11	43	0.4	3	1	25
L44E 122+50N	5	30	10	56	0.3	2	1	20
6E B.L.	5	16	9	45	0.2	5	2	10

Certified by _____

MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0839-SG1

Company: CYPRUS GOLD CANADA LTD.
Project:
Attn: A. JACKSON/R. DURFELD

Date: AUG-13-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-08-89 by RUDY DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L42E 120+25N	15	14	9	73	0.3	4	1	5
L42E 120+50N	5	18	9	61	0.2	4	1	35
L42E 120+75N	5	21	8	71	0.3	4	3	25
L42E 121+00N	20	22	11	69	0.4	6	1	20
L42E 121+25N	5	25	13	95	0.4	4	1	35
L42E 121+50N	10	17	10	81	0.3	5	1	30
L42E 122+50N	5	68	13	65	0.4	7	1	90
L42E 122+75N	5	44	9	51	0.3	16	3	60
L42E 123+00N	5	26	12	75	0.4	8	1	45
L42E 123+25N	20	21	7	69	0.3	3	1	40
L42E 123+50N	5	13	4	72	0.2	3	2	30
L42E 123+75N	10	31	6	48	0.2	3	1	45
L42E 124+00N	10	12	11	65	0.2	2	1	40
L42E 124+25N	5	29	11	115	0.2	14	1	35
L42E 124+50N	5	27	10	56	0.3	26	1	15
L42E 124+75N	5	24	9	50	0.2	16	1	30
L42E 125+75N	10	23	14	104	0.2	13	2	25
L42E 126+00N	5	12	16	71	0.2	8	1	15
L42E 126+25N	5	13	22	95	0.2	9	1	35
L42E 126+50N	5	12	25	108	0.3	6	1	5
L42E 126+75N	5	11	18	85	0.2	7	1	5
L42E 127+00N	5	8	11	54	0.1	4	1	15
L42E 127+25N	5	12	11	60	0.2	13	1	25
L42E 127+50N	10	17	14	68	0.2	6	2	5
L42E 127+75N	5	16	10	49	0.1	12	1	45
L42E 128+00N	5	16	11	65	0.2	6	1	5
L42E 128+25N	35	22	9	93	0.2	15	1	5
L42E 128+50N	5	16	12	75	0.1	6	3	30
L42E 128+75N	20	13	28	88	0.2	7	1	25
L42E 129+00N	5	21	21	96	0.4	8	1	20

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0839-SG2

Company: CYPRUS GOLD CANADA LTD.
Project:
Attn: A.JACKSON/R.DURFELD

Date: AUG-13-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-08-89 by RUDY DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L42E 129+25N	5	17	16	95	0.6	9	1	25
L42E 129+50N	5	13	14	83	0.4	10	1	35
L42E 129+75N	5	15	12	82	0.3	11	1	30
L42E 130+00N	5	24	14	96	0.4	20	1	70
L40E 120+00N	5	30	30	56	1.0	14	2	45
L40E 120+50N	10	35	28	63	1.0	34	1	35
L40E 121+00N	5	27	10	50	0.3	13	3	20
L40E 121+25N	5	27	14	72	0.4	11	1	60
L40E 121+50N	5	29	14	75	0.4	15	1	30
L40E 121+75N	5	36	12	66	0.2	15	3	40
L40E 122+00N	10	26	11	61	0.4	7	1	5
L40E 122+25N	5	28	12	72	0.2	5	1	10
L40E 122+50N	5	27	10	59	0.2	4	1	20
L40E 123+00N	10	32	10	42	0.2	5	1	35
L40E 123+25N	5	36	12	39	0.4	7	1	40
L40E 123+50N	5	51	14	47	0.2	5	2	45
L40E 123+75N	5	52	11	51	0.3	6	2	85
L40E 124+00N	10	29	14	66	0.2	24	1	70
L40E 124+25N	40	28	14	56	0.2	28	1	75
L40E 124+50N	10	28	12	62	0.2	18	1	55
L40E 124+75N	5	34	12	56	0.4	22	1	55
L40E 125+00N	5	28	14	74	0.4	15	1	40
L40E 125+25N	5	22	12	75	0.4	8	1	65
L40E 125+50N	5	27	11	67	0.4	14	1	30
L40E 125+75N	10	23	11	61	0.3	15	1	85
L40E 126+00N	5	21	12	74	0.3	12	1	45
L40E 126+25N	5	19	16	76	0.2	10	1	60
L40E 126+50N	5	18	14	71	0.4	11	2	65
L40E 126+75N	10	22	11	69	0.3	13	1	45
L40E 127+00N	10	22	12	81	0.4	15	1	100

Certified by _____

MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-0839-SG3

Company: CYPRUS GOLD CANADA LTD.
 Project:
 Attn: A.JACKSON/R.DURFELD

Date: AUG-13-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-08-89 by RUDY DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L40E 127+25N	5	19	12	57	0.6	13	1	30
L40E 127+50N	5	21	10	58	0.4	14	1	35
L40E 127+75N	10	14	10	55	0.4	10	1	25
L40E 128+00N	5	15	11	53	0.3	11	1	30
L40E 128+25N	5	13	12	65	0.4	11	1	40
L40E 128+50N	5	11	11	60	0.3	17	1	25
L40E 128+75N	25	14	12	70	0.4	11	1	60
L40E 129+00N	10	18	14	65	0.4	10	2	85
L40E 129+25N	20	22	14	69	0.3	13	1	60
L40E 129+50N	10	29	15	84	0.4	11	1	95
L40E 129+75N	5	26	16	82	0.4	13	1	70
L40E 130+00N	10	28	14	89	0.4	9	1	80
01-08-1 A	5	57	25	106	0.9	1925	2	5250
01-08-1 B	5	63	26	108	1.0	1400	3	1210
01-08-1 C	10	72	30	120	0.8	1400	1	1270
01-08-2 A	10	70	29	92	0.8	825	1	535
01-08-2 B	5	61	20	91	0.6	450	1	560
01-08-2 C	10	67	21	94	0.8	600	2	570
01-08-3 A	5	34	17	92	0.4	450	1	220
01-08-3 B	20	99	125	166	1.4	1700	1	930
01-08-3 C	10	140	36	159	1.0	650	2	590
01-08-4 A	5	65	22	83	0.6	400	1	160
01-08-4 B	5	55	28	87	0.6	600	3	260
01-08-4 C	10	102	34	137	1.0	1225	8	630
01-08-5 A	90	98	56	156	1.4	6250	12	650
01-08-5 B	190	100	44	138	1.2	1825	11	820
01-08-5 D	650	90	115	181	1.4	12500	22	530
01-08-6 A	25	87	23	110	0.5	675	1	555
01-08-6 B	480	79	118	207	1.5	11875	12	610
01-08-6 C	40	94	28	108	1.1	1275	1	570

Certified by 

Geochemical Analysis Certificate

9V-1046-SG1

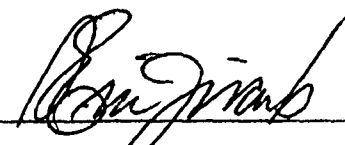
Company: CYPRUS GOLD CANADA LTD.
 Project:
 Attn: A. JACKSON/R. DURFELD

Date: SEP-13-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted SEP-01-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L62E 12025N	10	28	15	39	0.4	18	1	15
L62E 12050N	5	44	19	57	0.7	8	1	5
L62E 12075N	5	45	16	47	0.6	5	1	5
L62E 12100N	10	43	15	49	0.6	9	2	10
L62E 12125N	15	25	12	49	0.6	11	1	15
L62E 12150N	5	43	9	52	0.5	6	1	5
L62E 12175N	10	36	13	68	0.4	14	1	10
L62E 12200N	5	33	13	69	0.6	17	1	5
L62E 12225N	5	35	9	59	0.4	11	1	5
L62E 12250N	5	37	10	59	0.6	10	1	5
L62E 12275N	10	37	12	59	0.5	25	1	10
L62E 12300N	5	35	10	43	0.7	4	1	5
L62E 12325N	5	56	17	74	0.6	18	2	5
L62E 12350N	15	43	13	64	0.5	28	1	15
L62E 12375N	5	36	13	77	0.5	19	1	5
L62E 12400N	5	29	14	67	0.6	17	1	5
L62E 12425N	15	45	15	68	0.5	57	1	15
L62E 12450N	10	52	17	87	0.6	14	1	10
L62E 12475N	5	82	21	103	1.0	21	1	5
L62E 12500N	10	67	17	88	0.9	21	1	10
L62E 12525N	10	42	16	67	0.5	21	2	10
L62E 12550N	15	44	15	65	0.6	29	1	15
L62E 12575N	10	26	13	75	0.7	16	1	10
L62E 12600N	5	35	15	68	0.7	20	2	5
L62E 12625N	5	39	17	73	0.6	19	1	5
L62E 12650N	40	41	15	69	0.8	57	3	40
L62E 12675N	5	36	15	68	0.7	26	1	5
L62E 12700N	5	38	15	80	0.6	18	1	5
L62E 12725N	5	39	16	74	0.6	24	1	5
L62E 12750N	10	45	15	77	0.6	16	1	10

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-1046-SG2

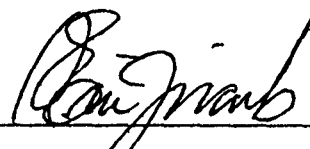
Company: CYPRUS GOLD CANADA LTD.
Project:
Attn: A.JACKSON/R.DURFELD

Date: SEP-13-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted SEP-01-89 by R.DURFELD.

Sample Number	AU-WET PPB	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	HG PPB
L62E 12775N	10	0.6	15	27	15	1	75	20
L62E 12800N	10	0.7	13	26	14	1	67	15
L62E 12825N	5	0.7	18	35	15	2	82	10
L62E 12850N	5	0.5	17	30	16	1	79	5
L62E 12875N	5	0.6	12	29	15	1	84	20
L62E 12900N	5	0.5	19	34	14	1	76	15
L62E 12925N	5	0.5	24	31	15	1	67	20
L62E 12950N	5	0.4	16	27	13	1	62	30
L62E 12975N	5	0.4	10	29	13	1	55	5
L62E 13000N	5	0.7	4	57	17	1	73	10
L58E 12025N	5	0.5	13	39	11	4	62	5
L58E 12050N	5	0.7	10	38	15	1	76	5
L58E 12125N	5	0.4	14	24	11	1	47	5
L58E 12150N	5	0.5	7	51	9	1	57	5
L58E 12175N	5	0.4	5	41	9	2	46	5
L58E 12200N	5	0.5	6	27	12	1	57	5
L58E 12225N	5	0.4	5	38	1	1	67	10
L58E 12250N	5	0.5	3	40	11	1	62	10
L58E 12275N	5	0.4	8	29	12	1	69	5
L58E 12300N	5	0.6	17	42	13	1	61	5
L58E 12325N	5	0.7	12	29	13	1	87	10
L58E 12350N	5	0.6	13	41	13	2	59	5
L58E 12375N	10	0.7	22	43	12	2	55	15
L58E 12400N	15	0.5	36	36	12	1	69	15
L58E 12425N	10	0.6	48	38	14	1	73	20
L58E 12450N	10	0.5	46	41	14	2	66	25
L58E 12475N	5	0.5	38	33	13	1	65	10
L58E 12500N	5	0.4	28	37	14	1	69	5
L58E 12525N	5	0.4	47	36	15	2	72	30
L58E 12550N	5	0.6	31	46	19	2	80	25

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-1046-SG3

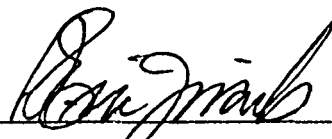
Company: CYPRUS GOLD CANADA LTD.
Project:
Attn: A.JACKSON/R.DURFELD

Date: SEP-13-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted SEP-01-89 by R.DURFELD.

Sample Number	AU-WET PPB	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	HG PPB
L58E 12575N	5	0.6	22	41	15	1	70	30
L58E 12600N	10	0.4	12	39	12	1	74	25
L58E 12625N	10	0.7	21	41	14	1	68	60
L58E 12675N	10	0.7	17	35	14	2	65	40
L58E 12725N	5	0.7	18	41	13	1	63	35
L58E 12750N	5	0.4	20	35	15	1	64	5
L58E 12775N	5	0.6	16	38	14	1	91	25
L58E 12925N	5	0.4	11	35	13	1	68	5
L58E 12950N	10	0.6	19	42	14	1	68	40
L58E 12975N	5	0.4	23	31	15	3	69	15
L58E 13000N	10	0.3	17	23	12	2	59	15
L54E 12025N	5	0.5	19	47	17	1	77	20
L54E 12050N	5	0.5	17	57	18	4	88	55
L54E 12075N	5	0.3	20	44	16	1	83	15
L54E 12100N	10	0.5	16	41	13	1	55	10
L54E 12125N	10	0.6	6	45	14	1	64	5
L54E 12150N	5	0.6	7	36	11	2	65	5
L54E 12175N	5	0.5	6	46	12	3	62	5
L54E 12200N	5	0.4	4	37	10	1	61	5
L54E 12225N	5	0.5	3	25	9	3	45	5
L54E 12250N	5	0.4	2	31	9	1	59	5
L54E 12275N	10	0.4	4	41	9	1	44	5
L54E 12300N	5	0.5	7	32	8	1	50	5
L54E 12325N	10	0.5	6	42	9	1	49	5
L54E 12350N	5	0.6	10	54	15	2	69	10
L54E 12375N	5	0.5	22	30	13	1	54	25
L54E 12400N	5	0.6	14	34	15	2	80	10
L54E 12425N	5	0.5	16	35	14	1	72	5
L54E 12450N	5	0.5	20	39	15	2	73	10
L54E 12475N	5	0.5	19	39	14	1	61	15

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-1046-SG4

Company: CYPRUS GOLD CANADA LTD.
Project:
Attn: A. JACKSON/R. DURFELD

Date: SEP-13-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted SEP-01-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L54E 12500N	5	18	15	89	0.6	7	1	10
L54E 12525N	5	63	19	111	0.9	7	2	5
L54E 12550N	5	34	13	88	0.6	6	1	5
L54E 12575N	10	40	12	82	0.5	5	1	5
L54E 12600N	5	41	15	89	0.6	5	1	15

L54E 12625N	5	54	16	93	0.8	10	1	35
L54E 12650N	5	47	17	77	0.7	9	2	30
L54E 12675N	15	49	16	73	0.8	4	5	40
L54E 12700N	5	46	16	76	0.8	4	1	185
L54E 12725N	5	27	15	86	0.8	5	1	25

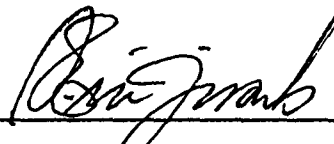
L54E 12750N	10	29	15	80	0.5	4	1	5
L54E 12775N	5	26	15	84	0.8	3	1	5
L54E 12800N	10	31	14	85	0.7	3	2	5
L54E 12825N	10	21	13	83	0.5	2	1	5
L54E 12850N	15	28	14	77	0.6	3	1	5

L54E 12875N	5	18	15	84	0.6	2	1	5
L54E 12900N	10	25	15	75	0.7	6	1	10
L54E 12925N	5	27	16	84	0.7	5	1	5
L54E 12950N	5	29	15	78	0.5	3	1	5
L54E 12975N	5	25	15	77	0.6	4	1	5

L54E 13000N	5	22	15	78	1.3	8	1	30
L113E 11000N	5	25	16	91	0.7	6	1	30
L113E 11020N	5	37	16	119	0.8	7	2	25
L113E 11040N	5	24	13	84	0.5	6	1	20
L113E 11060N	5	14	13	123	0.5	4	1	15

L113E 11080N	5	44	20	95	0.6	68	5	175
L113E 11100N	15	15	15	73	0.7	77	1	20
L113E 11120N	10	48	22	81	0.7	28	6	115
L113E 11140N	5	66	26	96	0.8	18	1	135
L113E 11160N	5	42	17	82	0.7	15	7	35

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-1046-SG5

Company: CYPRUS GOLD CANADA LTD.
 Project:
 Attn: A. JACKSON/R. DURFELD

Date: SEP-13-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted SEP-01-89 by R. DURFELD.

Sample Number	AU-WET PPB	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	HG PPB
L113E 11180N	5	0.6	24	19	17	1	74	45
L113E 11200N	5	0.8	21	53	18	1	106	95
L113E 11220N	5	0.7	3	18	15	1	94	5
L113E 11240N	5	0.9	5	33	17	1	79	35
L113E 11260N	5	0.5	3	8	11	1	62	5

L113E 11280N	5	0.6	4	25	13	1	103	25
L113E 11300N	5	0.6	4	15	15	1	77	5
L113E 11320N	5	0.5	5	17	13	1	77	20
L113E 11340N	10	0.9	4	23	16	1	98	25
L113E 11360N	5	0.6	3	25	15	1	98	5

L113E 11380N	5	0.8	5	22	13	1	83	35
L113E 11400N	5	0.7	2	15	12	1	87	10
L56E 12025N	5	1.0	17	54	18	1	89	60
L56E 12050N	5	0.7	18	40	16	1	61	15
L56E 12075N	5	0.6	6	36	14	1	78	5

L56E 12100N	10	0.6	3	33	10	3	65	5
L56E 12125N	5	1.0	5	52	12	1	71	10
L56E 12150N	5	0.6	2	43	11	1	73	5
L56E 12175N	5	0.5	3	42	11	1	70	5
L56E 12200N	5	0.5	4	39	12	1	60	5

L56E 12225N	5	0.5	5	40	13	1	55	5
L56E 12250N	5	0.7	5	60	11	1	55	5
L56E 12275N	5	0.6	6	25	11	1	59	5
L56E 12300N	5	0.7	21	33	13	1	62	10
L56E 12325N	5	0.7	22	38	13	1	69	5

L56E 12350N	5	0.6	5	43	12	2	63	5
L56E 12375N	10	0.5	9	25	13	3	57	5
L56E 12400N	5	0.9	12	46	16	4	79	5
L56E 12425N	5	0.8	11	33	14	1	72	5
L56E 12450N	5	1.2	19	51	15	6	65	40

Certified by 
 MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-1046-SG6

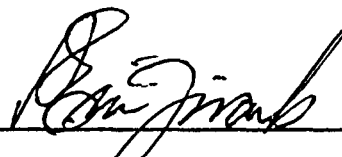
Company: CYPRUS GOLD CANADA LTD.
Project:
Attn: A.JACKSON/R.DURFELD

Date: SEP-13-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted SEP-01-89 by R.DURFELD.

Sample Number	AU-WET PPB	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	HG PPB
L56E 12475N	5	0.7	14	34	15	1	73	15
L56E 12500N	5	0.6	11	29	14	1	69	10
L56E 12525N	5	0.6	8	28	13	1	76	15
L56E 12550N	10	0.7	7	36	14	3	71	10
L56E 12575N	5	0.7	5	20	12	1	77	10
L56E 12600N	5	0.6	5	22	13	1	81	5
L56E 12625N	5	0.6	4	21	14	1	92	15
L56E 12650N	5	0.8	4	24	15	1	97	20
L56E 12675N	5	0.7	4	29	16	2	93	10
L56E 12700N	5	1.0	10	45	13	1	86	15
L56E 12725N	5	0.7	5	38	15	1	70	10
L56E 12750N	5	0.7	2	29	15	1	85	5
L56E 12775N	5	0.8	4	35	14	1	83	5
L56E 12800N	5	0.7	4	26	13	1	83	5
L56E 12825N	5	0.8	6	40	16	1	80	5
L56E 12850N	5	0.7	7	32	13	1	79	5
L56E 12875N	10	0.9	8	49	15	1	93	5
L56E 12900N	5	0.6	9	25	16	1	72	10
L56E 12925N	5	0.6	11	35	16	1	67	5
L56E 12950N	5	0.5	10	25	13	1	55	5
L56E 12975N	5	0.6	7	29	13	1	66	15
L56E 13000N	5	0.7	5	37	13	1	70	25
L64E 12025N	5	1.0	13	55	15	2	70	50
L64E 12075N	5	0.7	7	29	10	1	48	5
L64E 12100N	5	0.8	8	38	16	1	72	5
L64E 12125N	5	0.7	3	23	13	1	55	5
L64E 12150N	5	0.8	14	36	12	2	70	15
L64E 12175N	5	0.8	14	31	13	1	54	20
L64E 12200N	5	0.7	22	49	16	1	78	5
L64E 12225N	5	0.6	24	53	15	2	79	10

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-1046-SG7

Company: CYPRUS GOLD CANADA LTD.
 Project:
 Attn: A. JACKSON/R. DURFELD

Date: SEP-14-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted SEP-01-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L64E 12250N	10	58	15	104	0.7	34	1	35
L64E 12275N	5	75	13	111	0.6	18	1	10
L64E 12300N	15	53	12	53	0.6	11	1	5
L64E 12325N	10	44	11	69	0.6	15	1	5
L64E 12350N	25	41	12	81	0.7	18	1	10
L64E 12375N	5	33	13	83	0.7	15	1	5
L64E 12400N	5	27	12	69	0.6	16	1	5
L64E 12425N	5	38	12	66	0.5	20	1	10
L64E 12450N	5	41	10	58	0.5	11	1	25
L64E 12475N	5	35	12	66	0.6	16	1	5
L64E 12500N	5	39	9	57	0.4	11	1	5
L64E 12525N	5	31	11	72	0.6	10	1	5
L64E 12550N	5	27	10	64	0.4	11	2	5
L64E 12575N	5	44	12	67	0.5	8	1	5
L64E 12600N	5	46	12	73	0.5	10	1	5
L64E 12625N	5	42	13	73	0.6	13	1	5
L64E 12650N	5	39	14	65	0.5	18	1	5
L64E 12675N	5	39	13	73	0.6	14	2	5
L64E 12700N	5	39	14	68	0.5	20	1	35
L64E 12725N	15	40	13	68	0.7	18	1	25
L64E 12750N	10	35	13	69	0.6	17	2	10
L64E 12775N	15	36	13	72	0.5	18	1	30
L64E 12800N	10	41	13	75	0.7	20	1	15
L64E 12825N	5	29	13	77	0.6	10	1	5
L64E 12850N	10	33	13	74	0.6	11	2	5
L64E 12875N	10	35	12	78	0.6	10	1	5
L64E 12900N	15	36	12	77	0.5	9	3	50
L64E 12925N	10	37	13	91	0.6	12	1	5
L64E 12950N	10	23	12	69	0.6	8	1	5
L64E 12975N	5	33	11	79	0.5	8	2	5

Certified by 
 MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-1046-SG8

Company: CYPRUS GOLD CANADA LTD.
Project:
Attn: A.JACKSON/R.DURFELD

Date: SEP-14-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted SEP-01-89 by R.DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L64E 13000N	5	60	15	86	0.5	23	1	15
L60E 12025N	5	79	17	82	0.9	12	3	30
L60E 12050N	5	33	13	66	0.3	18	1	5
L60E 12075N	5	40	14	72	0.5	26	1	5
L60E 12100N	5	43	11	63	0.4	9	1	5
L60E 12125N	5	48	11	68	0.5	8	1	5
L60E 12150N	5	27	11	69	0.4	5	1	5
L60E 12175N	5	29	9	53	0.3	2	1	5
L60E 12200N	5	38	8	52	0.4	6	1	5
L60E 12225N	5	31	7	48	0.3	5	1	5
L60E 12250N	5	44	11	56	0.5	7	2	5
L60E 12275N	5	22	10	61	0.3	12	2	5
L60E 12300N	5	38	9	50	0.3	8	1	5
L60E 12325N	5	32	9	55	0.5	12	1	20
L60E 12350N	5	43	11	56	0.6	9	1	10
L60E 12375N	10	20	11	57	0.5	16	2	20
L60E 12400N	5	46	13	71	0.5	10	3	40
L60E 12425N	5	35	11	88	0.5	9	1	15
L60E 12450N	5	32	11	77	0.4	17	1	20
L60E 12475N	5	36	11	79	0.3	11	1	15
L60E 12500N	5	37	12	81	0.6	14	2	15
L60E 12525N	5	47	13	70	0.5	30	2	25
L60E 12550N	5	50	13	74	0.7	17	1	55
L60E 12575N	5	55	14	75	0.7	9	1	15
L60E 12600N	5	57	12	63	0.7	11	1	50
L60E 12625N	10	31	12	77	0.5	14	3	10
L60E 12650N	5	32	12	74	0.6	19	1	5
L60E 12675N	5	29	11	70	0.5	19	2	5
L60E 12700N	5	33	12	79	0.6	17	1	5
L60E 12725N	5	27	13	75	0.5	17	2	5

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-1046-SG9

Company: CYPRUS GOLD CANADA LTD.
Project:
Attn: A.JACKSON/R.DURFELD

Date: SEP-14-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 ROCK samples submitted SEP-01-89 by R.DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L60E 12750N	5	35	15	58	0.6	17	1	25
L60E 12775N	5	29	16	68	0.6	11	1	5
L60E 12800N	5	32	13	54	0.6	17	1	10
L60E 12825N	5	38	15	64	0.6	24	1	15
L60E 12850N	5	27	14	65	0.6	9	1	5

L60E 12875N	5	63	15	87	0.7	13	1	10
L60E 12900N	5	47	15	79	0.7	12	1	5
L60E 12925N	5	29	12	66	0.6	13	1	5
L60E 12950N	5	40	16	52	0.6	17	2	15
L60E 12975N	5	135	37	82	1.5	14	2	55

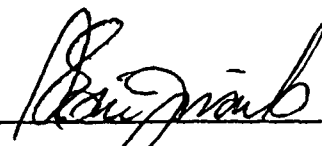
L60E 13000N	5	39	15	77	0.5	13	1	10
L114E 11220N	5	86	16	73	0.8	12	2	150
L114E 11240N	10	47	17	87	0.7	5	1	30
L114E 11260N	5	34	18	86	0.8	5	2	25
L114E 11280N	5	15	12	55	0.4	3	1	5

L114E 11300N	5	18	13	57	0.6	4	1	25
L114E 11320N	5	15	11	69	0.6	3	1	5
L114E 11340N	5	23	14	63	0.6	5	1	20
L114E 11360N	5	17	13	70	0.5	3	1	25
L114E 11380N	5	15	12	100	0.5	3	1	5

L114E 11400N	5	15	14	56	0.6	3	1	20
10695E 10893N A	5	86	36	135	1.3	950	1	1470
10695E 10893N B	5	93	29	120	0.9	850	5	3000
10695E 10893N C	5	77	29	115	1.1	725	1	1545
10697E 10882N A	5	110	22	155	0.9	350	1	400

10697E 10882N B	10	121	27	170	1.3	300	1	240
10697E 10882N C	5	84	27	124	1.2	375	1	1070
10695E 10903N A	5	82	23	135	0.9	450	3	840
10695E 10903N B	5	48	24	64	1.5	450	7	920
10695E 10903N C	5	65	25	88	1.3	650	1	3875

Certified by



Geochemical Analysis Certificate


9V-1015-SG3

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A. JACKSON/R. DURFELD

Date: SEP-11-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-28-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L109E 8980N	5	12	18	91	0.6	6	1	15
L109E 9000N	5	11	15	74	0.4	7	1	5
L109E 9020N	10	27	19	90	0.6	12	2	65
L109E 9040N	5	23	15	93	0.7	15	1	15
L109E 9060N	5	13	13	65	0.4	10	1	5
L109E 9080N	5	17	15	73	0.5	13	1	5
L109E 9100N	5	22	16	99	0.7	88	1	5
L109E 9120N	10	25	17	104	0.7	96	1	15
L109E 9140N	5	44	16	97	0.6	40	2	130
L109E 9160N	5	9	11	5	0.3	11	1	5
L109E 9180N	10	11	11	75	0.4	13	1	5
L109E 9200N	5	151	14	61	0.5	60	2	60
L109E 9220N	5	20	11	48	0.3	22	1	5
L109E 9240N	5	22	14	58	0.3	34	1	40
L109E 9260N	5	300	17	67	0.7	29	3	20
L109E 9280N	10	17	12	73	0.4	53	2	25
L48E 12025N	5	16	11	44	0.4	5	1	5
L48E 12050N	5	41	16	75	0.7	14	1	15
L48E 12075N	5	39	15	111	0.7	5	1	15
L48E 12100N	10	46	15	144	0.7	4	1	5
L48E 12125N	5	39	12	83	0.6	4	1	5
L48E 12150N	5	28	11	103	0.6	2	2	5
L48E 12175N	5	25	10	73	0.5	2	1	5
L48E 12200N	5	27	9	57	0.5	5	1	5
L48E 12225N	10	47	14	48	0.6	3	3	5
L48E 12250N	5	25	15	128	0.6	2	1	5
L48E 12275N	15	29	11	76	0.5	3	1	5
L48E 12300N	5	72	16	64	0.7	1	2	5
L48E 12325N	5	17	12	57	0.4	5	1	5
L48E 12350N	5	30	12	67	0.5	17	1	10

Certified by 

Geochemical Analysis Certificate

9V-1015-SG4

Company: CYPRUS GOLD CANADA
Project:
Attn: A.JACKSON/R.DURFELD

Date: SEP-11-89
Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-28-89 by R.DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L48E 12375N	5	24	12	59	0.4	12	1	15
L48E 12400N	5	26	9	44	0.5	6	2	5
L48E 12425N	5	18	10	46	0.5	8	1	5
L48E 12450N	5	24	12	99	0.6	7	1	5
L48E 12475N	15	38	12	51	0.7	7	1	5
L48E 12500N	5	15	11	62	0.6	7	1	5
L48E 12525N	5	42	16	67	0.9	22	2	10
L48E 12550N	10	38	17	84	0.9	11	1	5
L48E 12575N	5	22	12	66	0.6	12	1	5
L48E 12600N	15	23	12	67	0.6	13	1	5
L48E 12625N	10	19	13	59	0.6	12	1	5
L48E 12675N	10	29	16	89	0.8	7	2	5
L48E 12700N	5	26	14	91	0.7	5	1	5
L48E 12725N	5	25	17	78	0.7	11	1	5
L48E 12750N	5	22	12	71	0.6	6	1	5
L48E 12775N	5	18	13	63	0.6	9	1	5
L48E 12800N	10	22	14	59	0.6	17	1	10
L48E 12825N	5	31	18	84	0.7	1	1	5
L48E 12850N	10	18	14	74	0.7	5	1	5
L48E 12875N	5	23	14	76	0.5	8	1	5
L48E 12900N	5	15	12	65	0.4	6	1	5
L48E 12925N	5	19	11	67	0.5	7	1	5
L48E 12950N	10	28	14	79	0.5	9	1	5
L48E 12975N	5	18	14	74	0.3	6	1	5
L48E 13000N	5	34	16	89	0.7	10	3	10
L50E 12025N	5	35	16	86	0.7	15	1	10
L50E 12050N	5	29	15	96	0.5	8	1	5
L50E 12075N	10	32	17	94	0.6	11	4	5
L50E 12100N	15	52	19	89	0.7	14	1	10
L50E 12125N	5	37	14	79	0.6	16	1	5

Certified by



MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-1015-SG5

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A. JACKSON/R. DURFELD

Date: SEP-12-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-28-89 by R. DURFELD.

Sample Number	AU-WET PPB	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	HG PPB
L50E 12150N	5	0.7	9	21	16	2	84	5
L50E 12175N	5	0.8	43	39	15	1	69	10
L50E 12200N	5	0.8	8	26	12	1	58	5
L50E 12225N	5	0.6	7	28	9	1	74	5
L50E 12250N	5	0.4	9	27	9	1	47	5
L50E 12275N	5	0.5	10	30	12	1	65	5
L50E 12300N	5	0.5	30	29	8	1	52	35
L50E 12325N	5	0.6	37	45	13	1	61	40
L50E 12350N	5	0.5	20	24	12	1	56	5
L50E 12375N	5	0.6	19	47	18	2	81	5
L50E 12400N	5	0.4	7	20	12	1	73	5
L50E 12425N	5	0.5	21	29	11	1	57	5
L50E 12450N	5	0.6	29	35	12	1	53	10
L50E 12475N	5	0.6	9	22	14	1	75	5
L50E 12500N	5	0.5	19	27	13	1	74	5
L50E 12525N	5	0.6	11	18	12	1	66	5
L50E 12550N	5	0.4	21	24	9	1	57	10
L50E 12575N	5	0.4	10	19	8	1	58	5
L50E 12600N	5	0.5	12	25	14	1	75	5
L50E 12625N	10	0.4	10	17	10	2	67	5
L50E 12650N	5	0.4	11	31	13	1	87	5
L50E 12675N	5	0.4	13	24	12	1	76	10
L50E 12700N	5	0.7	14	24	9	1	70	5
L50E 12725N	5	0.4	15	21	12	1	71	5
L50E 12750N	5	0.4	7	16	9	1	68	5
L50E 12775N	5	0.4	8	18	10	1	88	5
L50E 12800N	5	0.6	9	20	11	1	91	5
L50E 12850N	5	0.4	12	20	11	1	69	5
L50E 12875N	5	0.4	17	21	9	1	57	5
L50E 12975N	5	0.5	8	18	10	2	76	5

Certified by 
 MIN-EN LABORATORIES

Geochemical Analysis Certificate

9V-1015-SG6

Company: CYPRUS GOLD CANADA
Project:
Attn: A.JACKSON/R.DURFELD

Date: SEP-11-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-28-89 by R.DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L50E 13000N	10	23	13	73	0.8	15	3	5
L52E 12025N	5	39	18	72	1.0	69	1	10
L52E 12050N	10	37	16	72	0.8	19	3	10
L52E 12075N	5	35	15	69	0.8	23	1	5
L52E 12100N	10	24	14	81	0.6	9	1	5
L52E 12125N	5	42	15	76	0.9	8	2	5
L52E 12150N	10	32	13	79	0.7	5	1	5
L52E 12175N	5	18	9	45	0.6	10	1	5
L52E 12200N	5	33	11	55	0.6	14	1	5
L52E 12225N	5	25	9	41	0.8	4	1	5
L52E 12250N	10	33	11	65	0.8	5	1	5
L52E 12275N	5	23	12	61	0.7	14	1	5
L52E 12300N	10	21	12	55	0.6	15	1	10
L52E 12325N	5	17	10	55	0.6	6	1	5
L52E 12350N	5	22	11	73	0.7	8	1	5
L52E 12375N	10	20	9	39	0.8	16	1	15
L52E 12400N	10	33	13	54	0.6	18	1	10
L52E 12425N	5	29	10	70	0.7	13	1	5
L52E 12450N	5	21	10	59	0.6	11	1	5
L52E 12475N	10	39	13	59	0.7	20	1	25
L52E 12500N	10	37	12	71	0.6	12	1	20
L52E 12525N	5	48	14	81	0.6	22	1	25
L52E 12550N	5	39	12	73	0.8	11	2	15
L52E 12575N	5	49	14	76	0.8	15	1	10
L52E 12600N	15	58	17	103	0.6	14	2	20
L52E 12625N	10	51	22	56	1.2	34	8	30
L52E 12650N	20	67	16	62	0.8	23	1	15
L52E 12675N	15	45	12	69	0.6	16	1	5
L52E 12700N	10	39	13	46	0.6	15	1	5
L52E 12725N	10	17	12	68	0.5	9	1	5

Certified by 

Geochemical Analysis Certificate

9V-1015-SG7

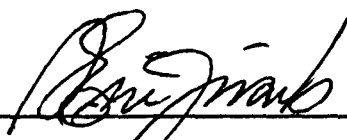
Company: CYPRUS GOLD CANADA
 Project:
 Attn: A. JACKSON/R. DURFELD

Date: SEP-11-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-28-89 by R. DURFELD.

Sample Number	AU-WET PPB	CU PPM	PB PPM	ZN PPM	AG PPM	AS PPM	SB PPM	HG PPB
L52E 12750N	5	32	16	79	0.7	9	3	15
L52E 12775N	5	28	18	72	0.5	7	1	5
L52E 12800N	5	28	15	104	0.4	6	1	10
L52E 12825N	5	27	13	73	0.5	5	1	5
L52E 12850N	5	28	13	102	0.4	3	1	5
L52E 12875N	5	17	11	71	0.4	3	1	5
L52E 12900N	5	31	14	81	0.4	4	1	5
L52E 12925N	10	26	12	118	0.3	7	1	5
L52E 12950N	5	19	11	59	0.4	15	1	10
L52E 12975N	5	21	11	58	0.5	9	1	5
L52E 13000N	5	26	10	58	0.4	11	1	5
L46E 12025N	5	44	15	69	0.4	22	1	40
L46E 12050N	20	27	14	78	0.4	12	1	25
L46E 12075N	5	22	11	94	0.4	4	1	5
L46E 12100N	10	29	13	53	0.3	3	1	30
L46E 12125N	10	46	13	68	0.4	5	3	5
L46E 12150N	5	49	12	61	0.4	5	1	5
L46E 12175N	5	43	12	60	0.4	8	1	5
L46E 12200N	5	30	13	46	0.3	15	1	30
L46E 12225N	5	57	9	41	0.6	9	1	5
L46E 12250N	5	39	10	51	0.5	11	1	40
L46E 12275N	5	28	11	57	0.4	20	1	30
L46E 12300N	5	26	9	39	0.3	27	1	20
L46E 12325N	5	23	9	39	0.2	21	1	20
L46E 12350N	5	35	13	57	0.3	54	1	45
L46E 12375N	10	29	8	43	0.4	31	1	20
L46E 12400N	5	48	11	64	0.4	5	1	5
L46E 12425N	5	37	12	63	0.4	13	1	50
L46E 12450N	5	17	7	59	0.3	11	1	20
L46E 12475N	5	18	8	85	0.4	12	1	15

Certified by



Geochemical Analysis Certificate

9V-1015-SG8

Company: CYPRUS GOLD CANADA
 Project:
 Attn: A. JACKSON/R. DURFELD

Date: SEP-12-89
 Copy 1. CYPRUS GOLD CANADA, VANCOUVER, B.C.
 2. DURFELD GEOLOGICAL, WILLIAMS LAKE, B.C.

We hereby certify the following Geochemical Analysis of 30 SOIL samples submitted AUG-28-89 by R. DURFELD.

Sample Number	AU-WET PPB	AG PPM	AS PPM	CU PPM	PB PPM	SB PPM	ZN PPM	HG PPB
L46E 12500N	5	0.8	36	36	13	3	48	25
L46E 12525N	10	0.6	18	20	11	2	66	5
L46E 12550N	5	0.4	17	27	9	1	69	5
L46E 12575N	10	0.4	11	13	8	1	35	5
L46E 12625N	10	0.4	15	14	11	1	58	5
L46E 12650N	20	0.4	13	21	11	1	68	5
L46E 12675N	5	0.4	12	22	10	1	64	5
L46E 12700N	15	0.3	10	17	8	2	52	5
L46E 12725N	15	0.3	11	18	9	1	62	25
L46E 12750N	5	0.4	10	20	10	1	64	35
L46E 12775N	5	0.4	10	18	9	2	44	10
L46E 12800N	5	0.2	12	18	9	1	55	5
L46E 12825N	5	0.4	13	17	9	1	64	5
L46E 12850N	5	0.3	25	23	10	1	53	15
L46E 12875N	20	0.4	16	18	10	1	58	5
L46E 12900N	5	0.5	20	32	12	2	55	5
L46E 12925N	5	0.4	24	42	12	4	46	10
L46E 12950N	5	0.3	10	22	9	1	45	5
L46E 12975N	5	0.3	11	26	7	1	38	5
L46E 13000N	5	0.3	13	26	9	1	36	5
L117E 10300N E	5	0.6	23	66	18	1	73	15
L117E 10440N E	5	0.5	102	53	16	2	84	40
L117E 10460N E	10	0.6	1875	89	34	10	102	270
L117E 10480N E	5	1.0	2500	99	29	12	81	385
L117E 10500N E	25	0.6	550	64	28	2	96	330
L117E 10520N E	45	0.8	1000	87	40	14	111	550
L117E 10540N E	65	0.8	1400	85	32	10	92	360
10684E 10915N A	10	0.6	625	69	24	2	105	475
10684E 10915N B	1650	3.4	50000	325	245	122	3600	4500
10684E 10915N C	2500	4.6	59300	565	295	160	4250	5250

Certified by 
 MIN-EN LABORATORIES

APPENDIX II

DETAILED DESCRIPTION OF GEOCHEMICAL PROCEDURES



**MINERAL
• ENVIRONMENTS
LABORATORIES**

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR ARSENIC:

Samples are processed by Min-En Laboratories, at 705 West 15th Street, North Vancouver 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 by a jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the sample is digested for 6 hours with HNO_3 and HClO_4 mixture.

After cooling samples are diluted to standard volume. A suitable aliquote is taken from the above 1 gram sample solution and the test is carried out by Gutzeit method using $\text{Ag CS}_2\text{N} (\text{C}_2\text{H}_5)_2$ as a reagent. The detection limit obtained is 1. ppm.



**MINERAL
• ENVIRONMENTS
LABORATORIES LTD.**

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK

PROCEDURES FOR Mo, Cu, Cd, Pb, Mn, Ni, Ag, Zn, As, F

Samples are processed by Min-En Laboratories., at 705 West 15th St., North Vancouver 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 by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO₃ and HClO₄ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Atomic Absorption Spectrophotometers.

Copper, lead, zinc, silver, cadmium, cobalt, nickel and manganese are analysed using the CH₂H₂-Air Flame combination but the molybdenum determination is carried out by C₂H₂-N₂O gas mixture directly or indirectly (depending on the sensitivity and detection limit required) on these sample solutions.

Background corrections for Pb, Ag, Cd upon request are completed.

FOR ARSENIC analysis a suitable aliquote is taken from the above 1 gram sample solution and the test is carried out by Gutzeit method using Ag Cs₂N (C₂H₅)₂ as a reagent. The detection limit obtained is 1. ppm.

FOR FLUORINE analysis is carried out on a 200 milligram sample. After fusion and suitable dilutions the fluoride ion concentration in rocks or soil samples are measured quantitatively by using fluorine specific



**MINERAL
• ENVIRONMENTS
LABORATORIES**

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK:

PROCEDURE FOR FIRE GOLD GEOCHEM:

Geochemical samples for Fire Gold processed by Min-En Laboratories., at 705 West 15th Street, North Vancouver 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 by ceramic plated pulverizer.

A suitable sample weight 15.00 or 30.00 grams are fire assayed preconcentrated.

After pretreatments the samples are digested with aqua regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 1 ppb.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bawicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

Geochemical Samples for Antimony Processed
By Min-En Laboratories Ltd., At The
Above Address Employing The Following Procedure.

Sample Preparation: After drying the samples at 120° F soils 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 by ceramic plated pulverizer.

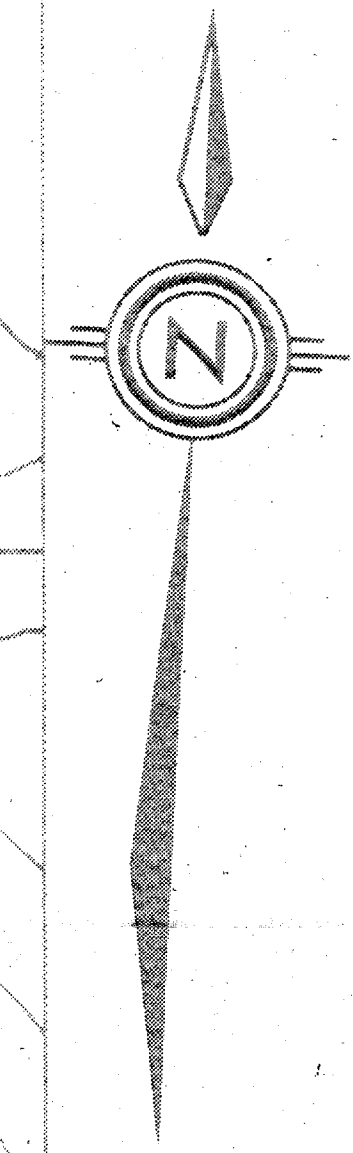
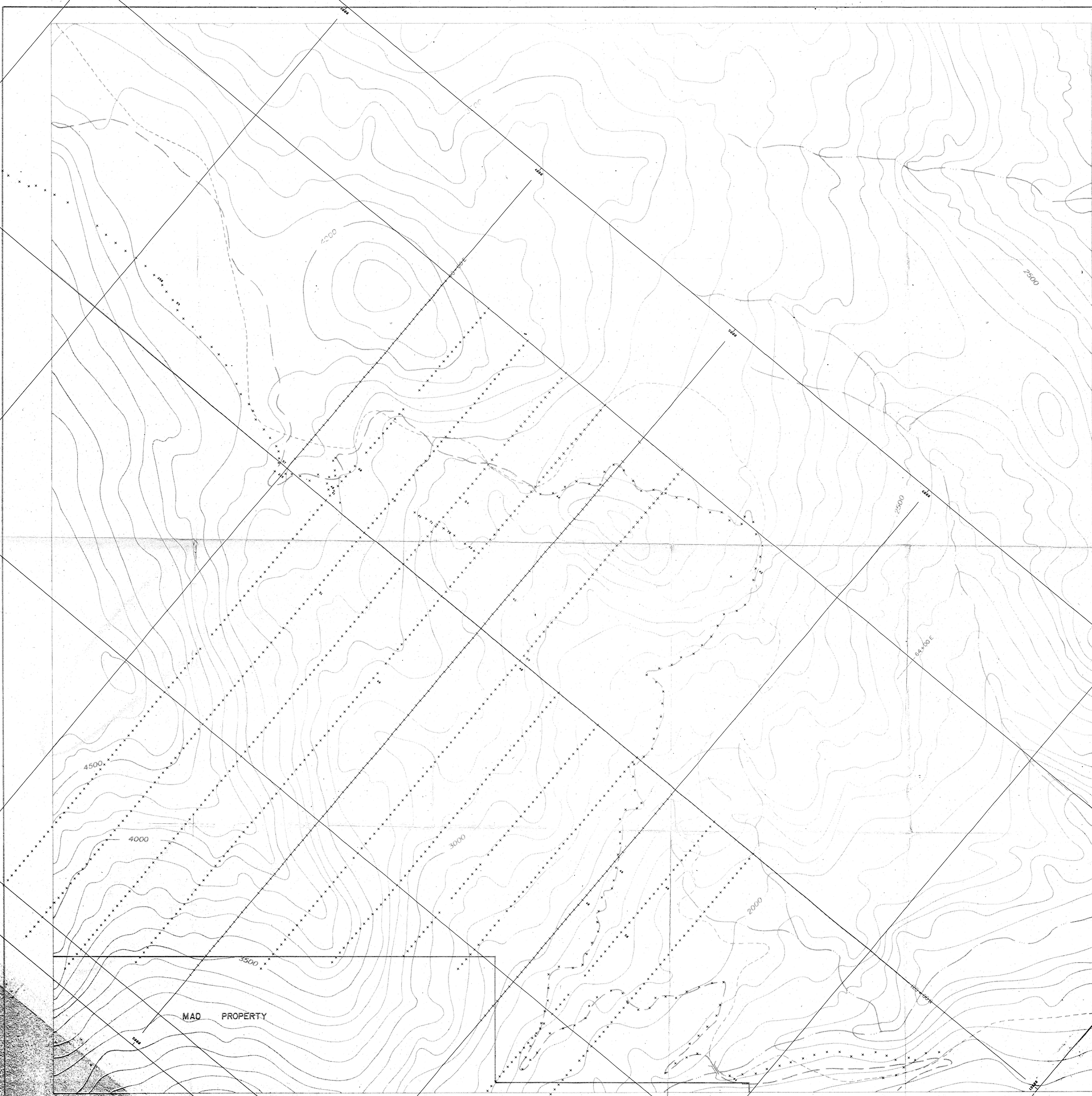
Analysis: 1.000 gram of the prepared samples are weighed into 25x200 mm pyrex test tubes.

Add 2 ml of conc HNO₃ and 5 ml of conc HCl and heat it at low temperature and slowly increase it to 150 F and let it digest for 30 minutes.

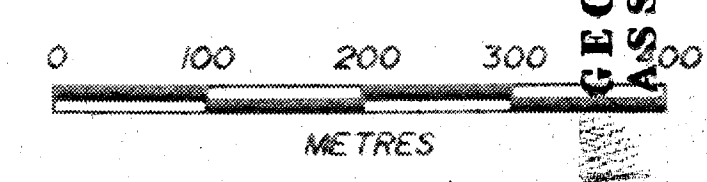
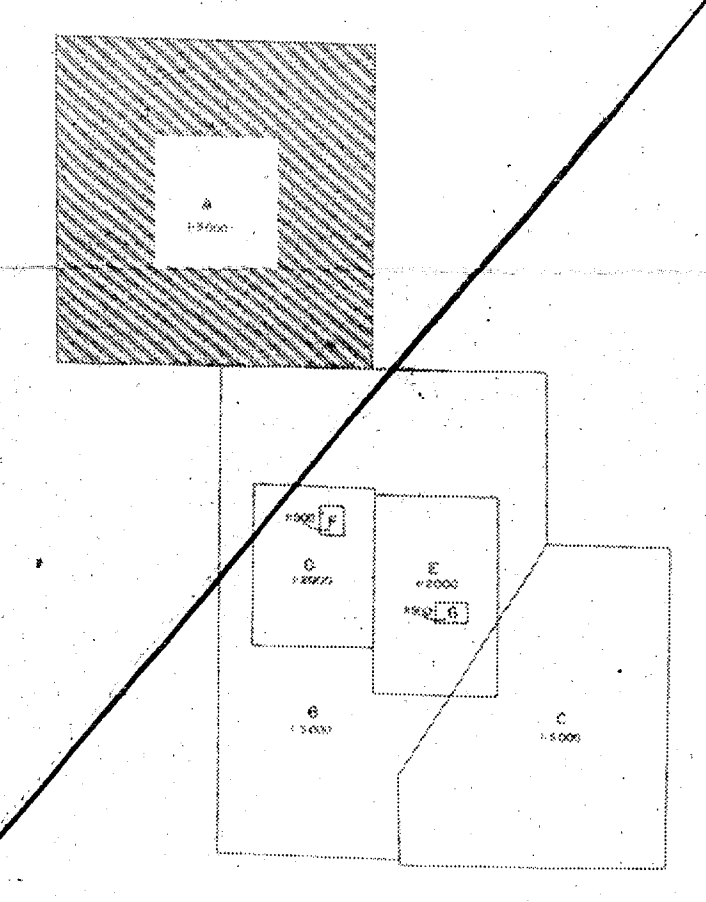
After the initial digestion increase temperature to 250° F for 3 hours. After digestion dilute to suitable volume and take a 5 ml aliquote for extraction into a clean test tube.

Add 5 ml H₂O and 10 ml of Methyl-Isobutyl-Ketone, cap it and shake it for 30 seconds. Read organic phase on Atomic Absorption Spectrophotometric against a suitably prepared standards.

ppm can be obtained from digest reading or graph can be prepared from the set of standards.



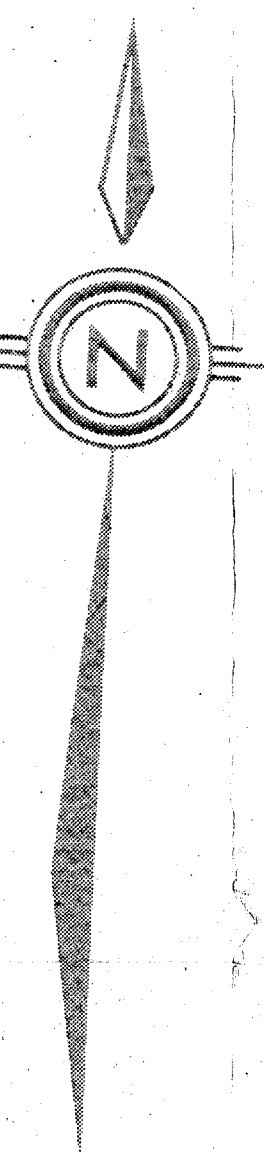
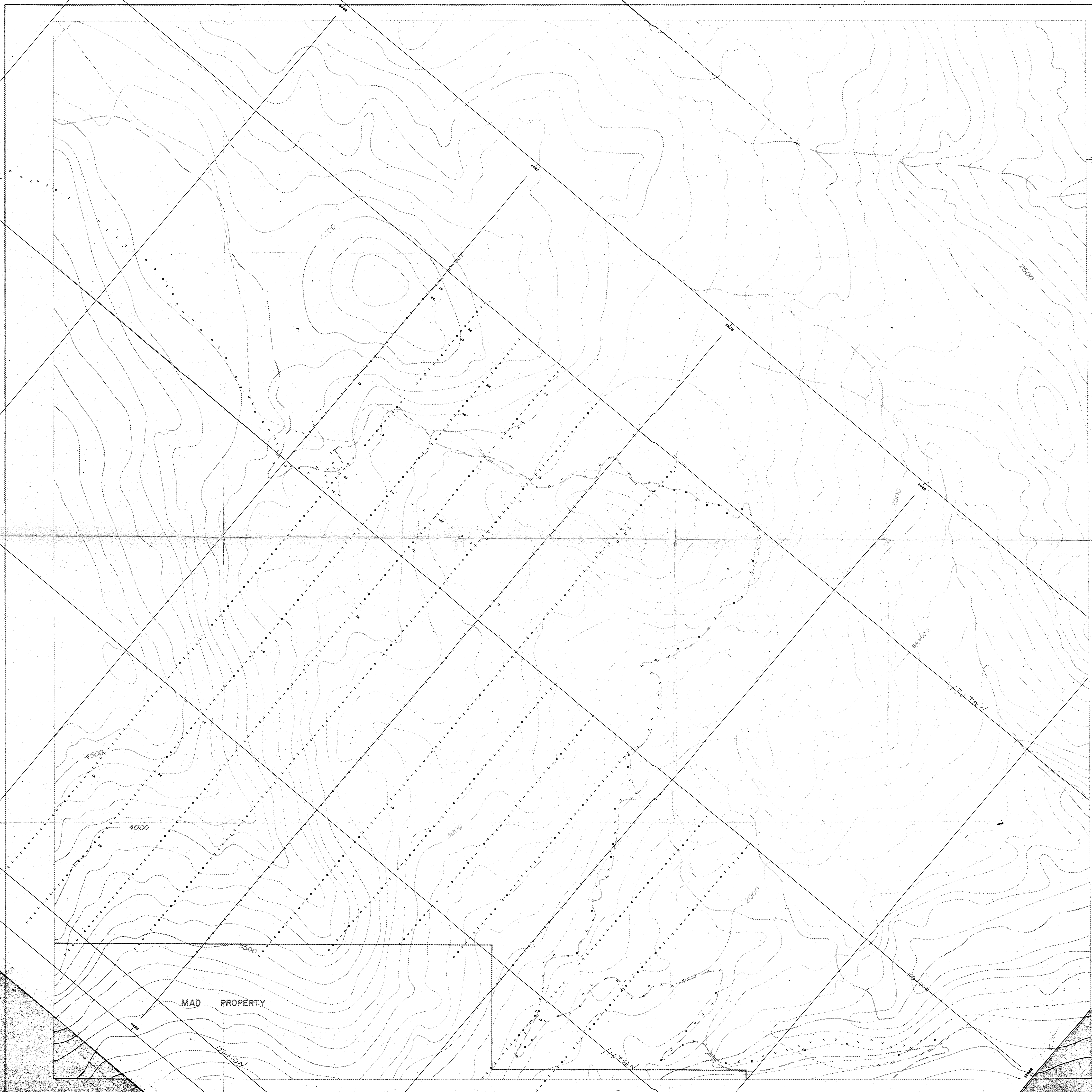
+ soil sample site with arsenic value in ppm
 values below 40 ppm arsenic not shown
 1987 + 1988
 survey



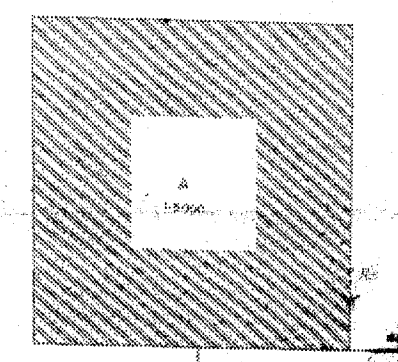
GEOLOGICAL BRANCH
 ASSESSMENT REPORT
19,774

MAD PROPERTY

WATSON BAR PROJECT SOIL GEOCHEMICAL PLAN (ARSENIC)	
DRAWN BY: D.C.B. DATE: JAN., 1990	SCALE: 1:5000 MAP No. 6 A



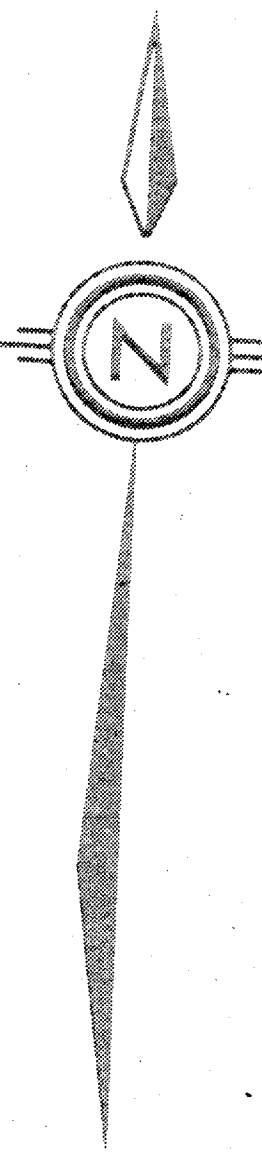
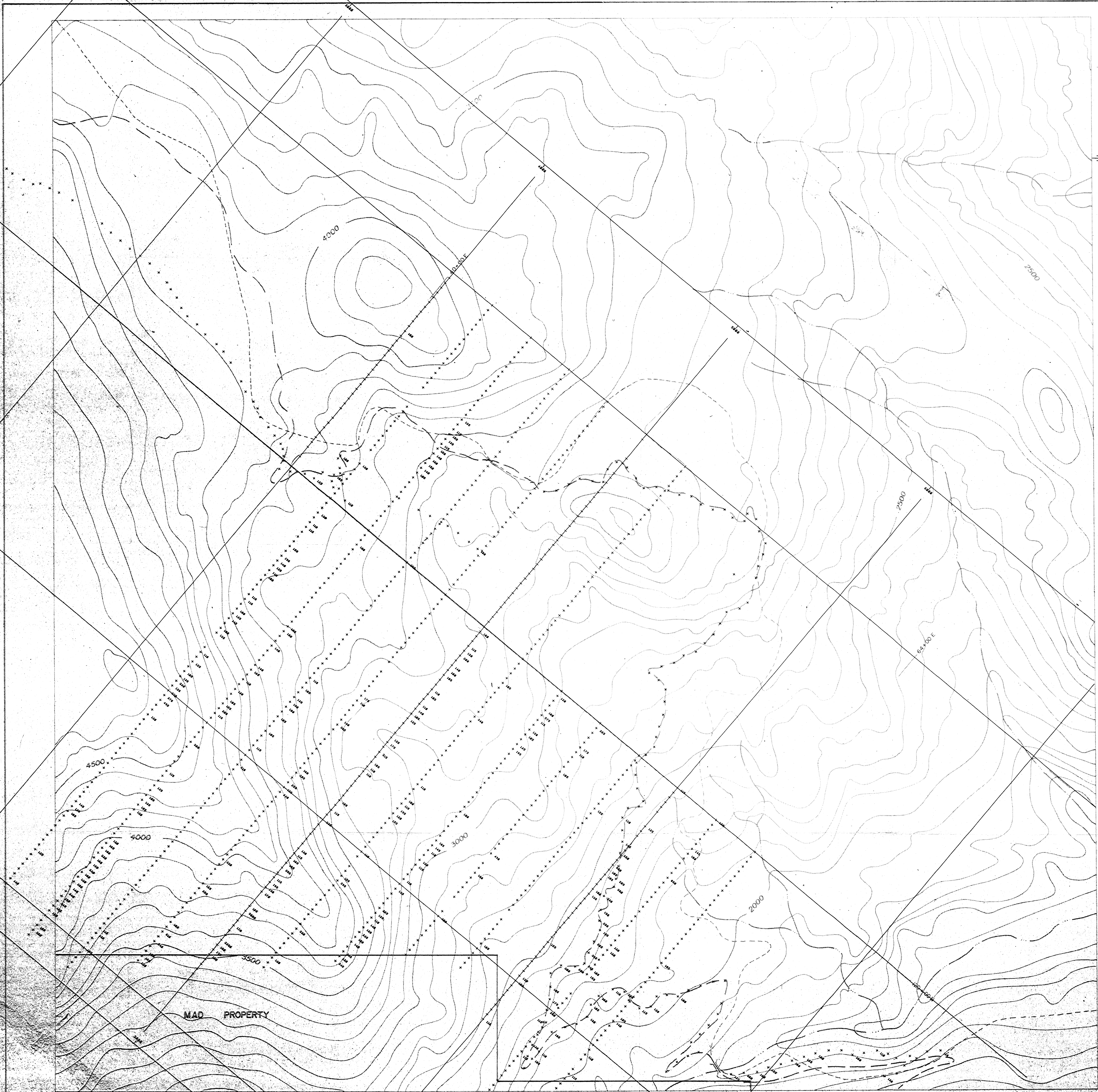
+ soil sample site with gold value in ppb
 values below 15 ppb gold not shown
 1987 + 1989 survey



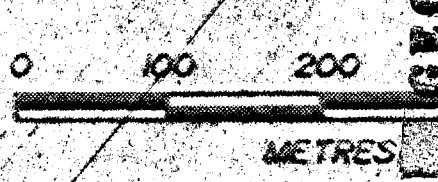
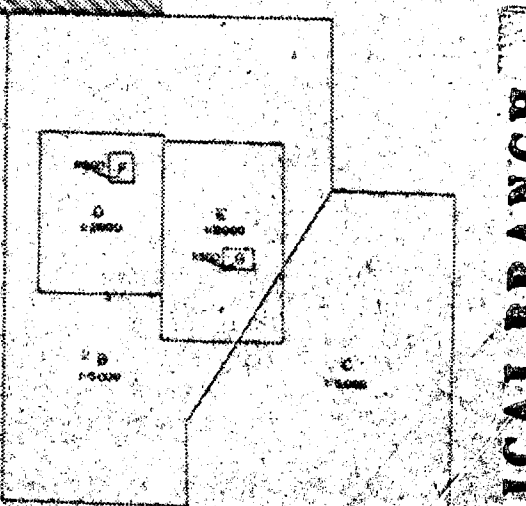
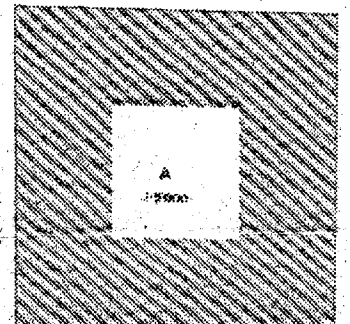
GEOLOGICAL BRANCH
 ASSESSMENT REPORT

19,774
 100 200 300 400
 METRES

WATSON BAR PROJECT SOIL GEOCHEMICAL PLAN (GOLD)	
DRAWN BY: D.C.B. DATE: JAN., 1990	SCALE: 1:5000 MAP No: # A



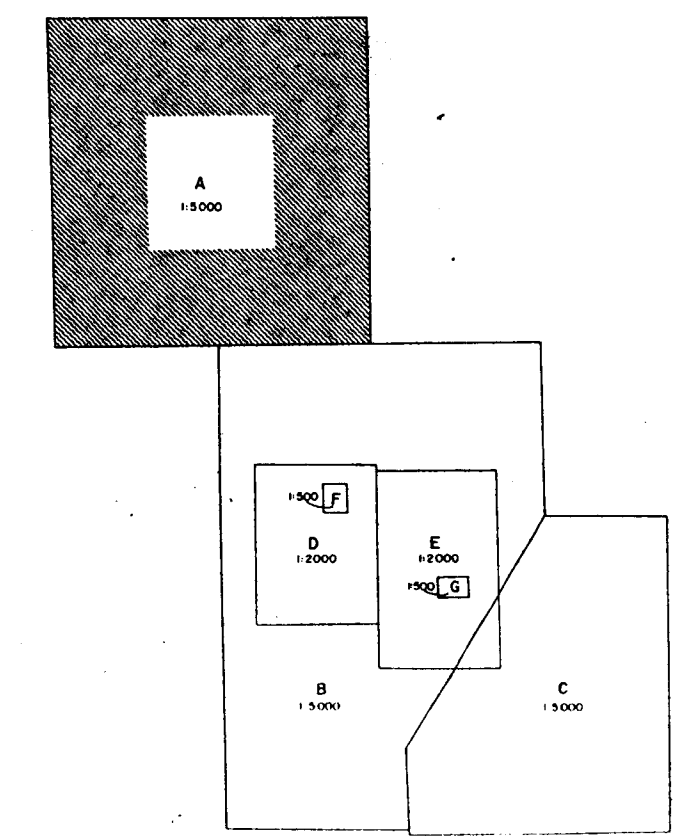
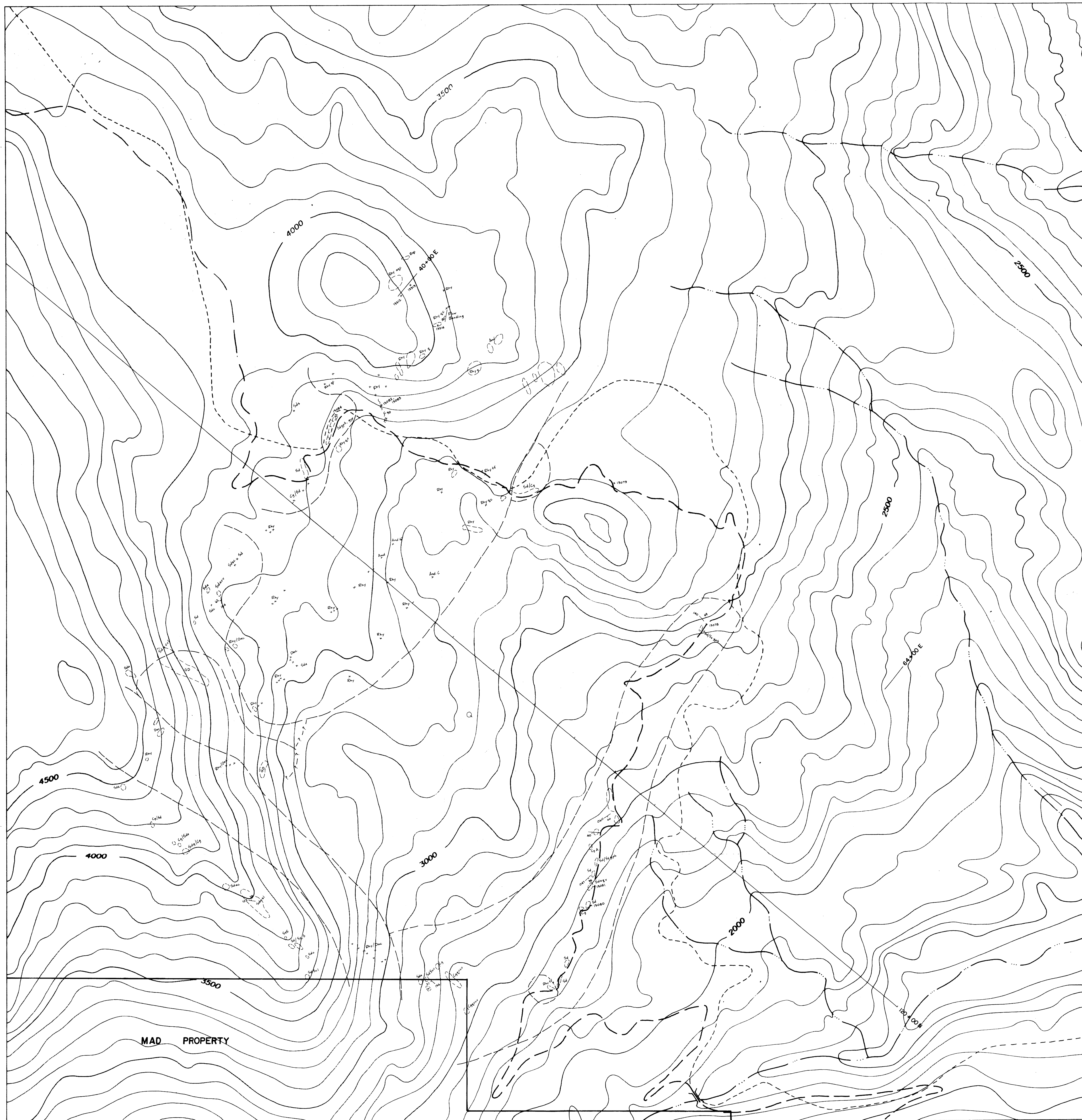
• 603 sample site with mercury value in ppb
 values below 100 ppb mercury not shown
 1000' - 1000'
 survey survey



GEOLOGICAL BRANCH
 ASSESSMENT REPORT

42774

WATSON BAR PROJECT SOIL GEOCHEMICAL PLAN (MERCURY)	
DRAWN BY: D.C.B. DATE: JAN. 1990	SCALE: 1:5000 MAP No. 1



- LEGEND**
- PROPERTY BOUNDARY
 - MAIN LOGGING ROAD
 - SECONDARY ROADS & BULLDOZER TRAILS
 - ZONE OF INTEREST NUMBER
 - TRACE OF TRENCH
 - SARFEE TRACE OF DIAMOND DRILL HOLE
 - OUTCROP
 - TALUS / FLOAT
 - TEST PIT
 - X ROCK SAMPLE LOCATION & NUMBER

- LITHOLOGY**
- QUATERNARY**
- Q Till, gravel, sand, clay, silt
 - Qv Ash
- TERTIARY**
- Upper Miocene B/or Pliocene
 - MPCv Olivine basalt, andesite
 - Eocene & Younger
 - Ev Rhyolitic, dacitic to andesitic tuff, breccio and flows
- UPPER CRETACEOUS**
- G Granite
 - GD Gneiss/diorite
 - QP Quartz Porphyry
 - FP Feldspar Porphyry
- MIDDLE CRETACEOUS AND**
- Plagiophyric andesite flows
- LOWER CRETACEOUS**
- Cg conglomerate
 - Sd sandstone
 - Ss siltstone
 - Ang argillite
 - un altered rock
- MODIFIERS**
- a.A bleached, varnished
 - asp arsenopyrite
 - bio biotite
 - b breccio
 - c.C carbonate altered, marlstone
 - cv carbonate veins
 - cpy chalcopyrite
 - cl chlorite
 - gph graphite, graphitic
 - gyp gypsum
 - k.K kaolinized, clay altered
 - L.L limonitic
 - p.P pyritic
 - q.Q quartz
 - qv quartz vein
 - scor scordite
 - s.S silicification
 - st stibnite

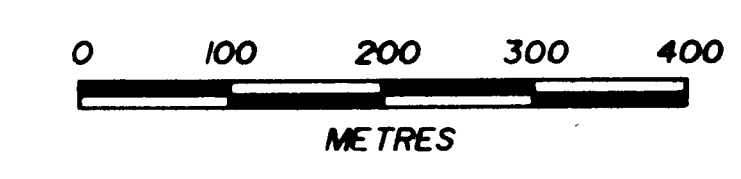
- SYMBOLS**
- CONTACT defined, approximate, assumed
 - CONTACTS defined, approximate, assumed
 - inclined/vertical
 - BEDDING strike/dip, inclined, vertical

POINT DATA REPLY REPORT

Sign	East	Nor	Zone	Rs	Co	Pb	Ta	Bg	Mo	Ag	As	Hg
Numbr				(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)	(ppb)
ROCK SAMPLES COLLECTED FROM FIGURE 4												
13078	5700	12820	14	3	50	16	22	4	14	1	5	
13079	5050	12830	14	1	12	22	61	5	3	2	5	
13080	6050	12850	14	1	39	40	80	1.2	18	1	75	
13081	6050	12900	14	1	61	20	118	11.0	24	2	80	
13082	4210	12900	14	2	34	26	108	7	32	1	5	
13083	4210	12950	14	1	78	29	108	8	26	2	5	
13084	4100	13160	14	1	22	12	57	1.6	20	2	5	
13312	4000	12875	14	2	6	6	18	3	25	1	5	
13313	4000	12925	14	4	6	8	48	3	25	1	5	
13314	4190	12875	14	2	5	25	65	2.2	44	1	5	

GEOLOGICAL BRANCH ASSESSMENT REPORT

19,774



CYPRUS GOLD (Canada) Ltd.

WATSON BAR PROJECT

GEOLOGICAL PLAN

DRAWN BY D.C.B. SCALE 1:5000

DATE 09-JAN-1990 MAP No. 3 A