87-573 -16416

LOG NO: 1231 RD. 6
ACTION: Date report received back from amendments
FILE NO: 87-573

9/88
IN 2 PARTS

ASSESSMENT REPORT

on

GEOCHEMICAL SURVEYS -- 1986

AND DRILLING

The Zumar Group Of Mineral Claims
Vernon Mining Division

NTS 82L/4E
50° - 00'N, 119° - ~~45~~ 42" 38'12" W

For

Owner/Operator: Skyworld Resources & Development Ltd.
S2 C36 R.R.1 Yates Road
KELOWNA, B.C. V1Y 7R9

FILMED

by

A.D. WILMOT, P. Eng.

KELOWNA, B.C. August 15, 1987

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,416

TABLE OF CONTENTS

Appendix

INTRODUCTION

This report records the fill-in soil sampling of the two areas of anomalous copper and silver values located by the initial geochemical survey on the Zumar claims and described in my assessment report of November 2, 1986.

Location and Access

The property is located on the West side of Okanagan Lake, 30 km by road from Kelowna from the Westside Road, access is by the Bear Creek logging road for 15.5 km and then by the Big Horn Creek branch road for another 4 km.

Property and Ownership

The Zumar Group consists of the five claims as listed below, which are owned by Skyworld Resources Development Ltd. of S2 C36 R.R.#1 Yates Road, Kelowna, B.C. V1Y 7P9.

Claim Name	No. of Units	Record No.
Zumar 2	20	711
Zumar 3	20	2090
Zumar 4	8	2026
Zumar 5	12	2027
Zumar Gold	8	2157

History

Mineral claim Zumar 2, which covers the known mineralization on the property, was staked in 1979 and at that time the Zumar vein was explored by tour BQ Diamond Drill holes over a strike length of 50 m and to a depth of 30 m.

In 1980 a shipment of 60.8 tons of hand picked quartz was sent to the Trail smelter. The grade of this shipment was 0.139 ozs. of gold and 1.23 ozs. of silver to the ton.

No further work was done on the property until it was acquired by Skyworld Resources in 1986, at which time magnetometer and geochemical surveys were conducted and subsequently by diamond drilling.

Summary of Work Done

The initial geochemical survey over Mineral claims. Zumar 2 and Zumar 4 was conducted on grid of a 100 m line spacing and stations at 50 m. This survey located a copper and silver anomaly on Zumar 2 and another on Zumar 4. Later it was decided to better define these anomalies by soil sampling on 50 m. line spacing and 25 m stations. This latter survey which was conducted between October 24 and November 4, 1986, is the subject of this report.

Geochemical Survey

(i) Field Procedure

Soil samples were taken at 25 m intervals on 50 m line spacing. Ninety percent of the samples were taken from the 'B' horizon at a depth of about 20 cm and 10% from the 'A' horizon. An average weight of all samples taken was three quarters of a pound. The samples were placed in heavy duty kraft envelopes and dried before shipment to the Kamloops Research Assay Laboratory Ltd. for analysis.

(ii) Soil

The soil in both locations is a glacial drift with a thin to moderate aluvial horizon. The 'B' horizon is located from 10 to 50 cm below the surface and is buff to orange brown in colour. More than 90% of the claim area is drift covered that, where tested, ranged in depth between 2 and 5 m.

(iii) Method of Geochemical Analysis

On arrival at the assay office the samples are further dried in a drying oven and then screened through a 80 mesh sieve. The minus fraction is reserved for the analysis, as follows:

> Weigh a 1 gm sample into a test tube. Add 0.5 ml of nitric acid. Place in a hot water bath for 30 minutes . Add 1.5 ml of hydrochloric acid and leave in the hot water bath for another 90 minutes. Bulk to 10 ml with distilled water. Mix thoroughly and read on A.A.

(iv) Interpretation of Results.

The geochemical results of the survey were plotted on maps and contoured above the threshold values. The background and threshold values are caluclated by a simplifed statistic approach. The method of constructing the graph is patterned after Claude Lepeltier's method, and is described below.

1. Select a precise set of geochemical data
2. Group the values in classes
3. Calculate the frequency of occurrence in each class
4. Calculate the cumulative frequencies of each class
5. Plot the cumulative frequencies of each class in percent against the lower limits of each class on log probability paper.
6. Read background at 50%; threshold at 2.5% or at breaks in the graph.

Mineral claims Zumar 2 and 4 lie in an area of low geochemical profile; the background for copper being 13 ppm and for silver 0.2 ppm. More than 90% of the area is covered by a mantle of drift, which may be of considerable depth as it has only been tested in the vicinity of outcrops. The underlying rocks are interbedded basalt and andesite flows of the Cache Creek Volcanics which have been intruded by diorite feldsite dykes.

The copper silver anomalies on Zumar 2 and Zumar 4 are notably similar in the following respects.

1) The range of both anomalies is the same, varying between 24 to 140 ppm for copper and from 0.6 to 1.3 ppm for silver.

2) Both anomalies occur in areas of shallow overburden.

3) Both occur in close proximity to diorite or felsite intrusives.

From the above observations it is considered that the anomalies are caused by the residual weathering of the diorite and felsite dykes, which are sparsely mineralized with pyrite and also with chalcopyrite which was observed in a few intruded quartz stringers.

Statement of Expenditures

Name	Category	Rate	Day worked		Period
A.D. Wilmot	Prof. Engineer	$300/day	Oct. 27, Oct. 28	2	$ 600.00
P.F. Cox	Helper	$135/day	Oct. 27, Nov. 4	9	$1,215.00
				SALARIES	$1,815.00

Geochemical Analysis

487 Samples at $3.00/per sample	$1,461.00
Field Supplies	
Sample bags, Tyuck tags, Peabal markers Flagging	185.50
Report including Typing, mapping and reproduction	540.00
TOTAL	$4,001.50

CERTIFICATE

I, Ashley D. Wilmot of Kelowna, B.C.

certify that

I graduated from Queen's University in 1936, with a Bachelor of Science Degree in Mining Engineering.

I a a life member of the B.C. Professional Engineers, the Canadian Institute of Mining & Metallurgy and the B.C. & Yukon Chamber of Mines.

I am the author of this report and I supervised the work therein described.

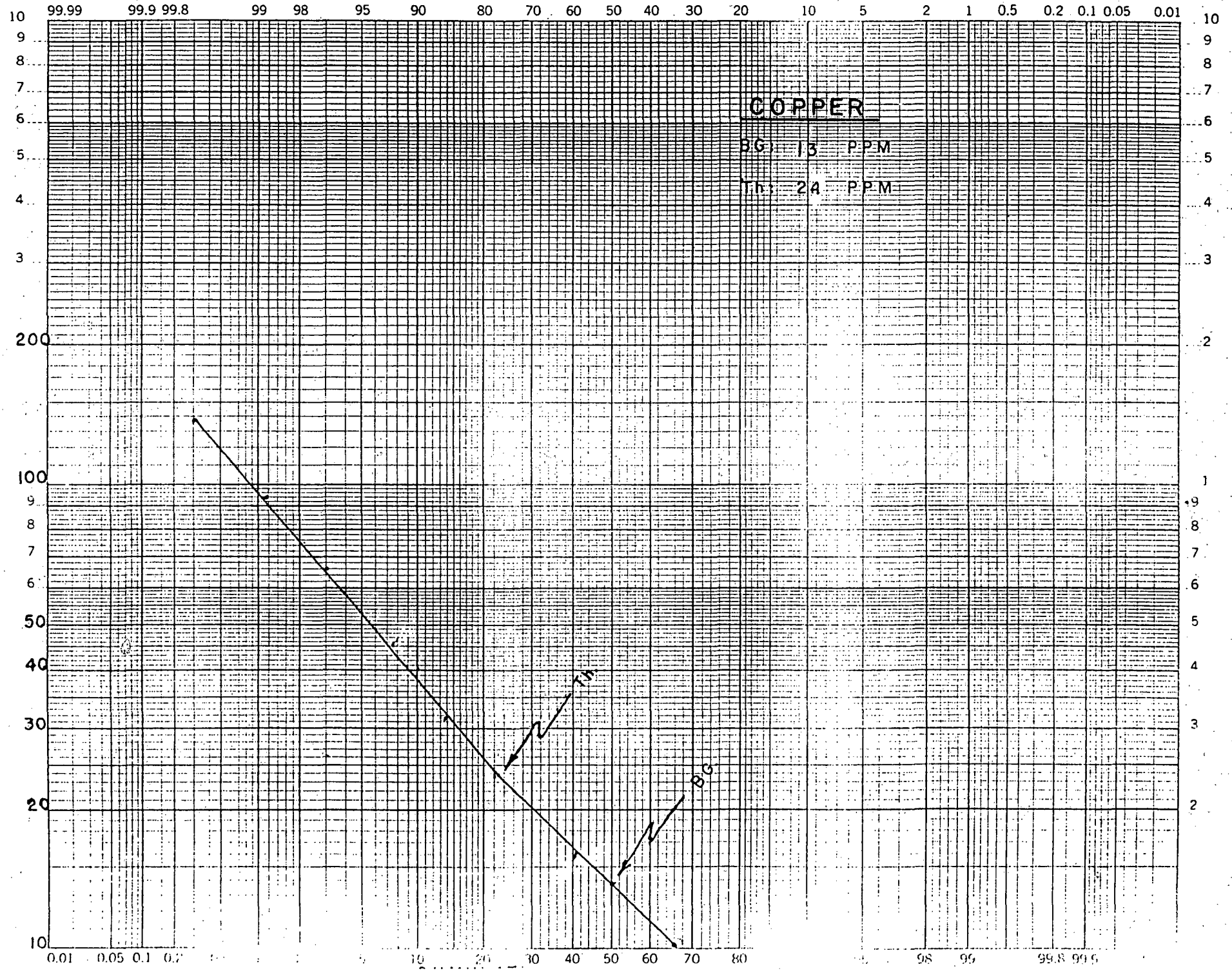
A.D. Wilmot, P.Eng.

Kelowna, B.C.
August 15th, 1987

CUMULATIVE FREQUENCY PLOT FOR COPPER

CLASS	FREQUENCY	% FREQUENCY	CUMULATIVE FREQUENCY %
0.10 - 0.14	5	0.3	100.0
0.14 - 0.21	1	0.1	99.7
0.21 - 0.29	0	0.0	99.6
0.29 - 0.42	0	0.0	99.6
0.42 - 0.61	0	0.0	99.6
0.61 - 0.87	0	0.0	99.6
0.87 - 1.25	1	0.1	99.6
1.25 - 1.79	0	0.0	99.5
1.79 - 2.56	0	0.0	99.5
2.56 - 3.67	25	1.7	99.5
3.67 - 5.27	197	13.3	97.8
5.27 - 7.55	272	18.4	84.5
7.55 - 10.83	372	25.2	66.1
10.83 - 15.53	254	17.2	40.9
15.53 - 22.27	148	10.0	23.7
22.27 - 31.94	84	5.7	13.7
31.94 - 45.79	74	5.0	8.0
45.79 - 65.66	27	1.8	3.0
65.66 - 94.15	13	0.9	1.2
94.15 - 135.00	4	0.3	0.3
	1476	100.0	

46 8040

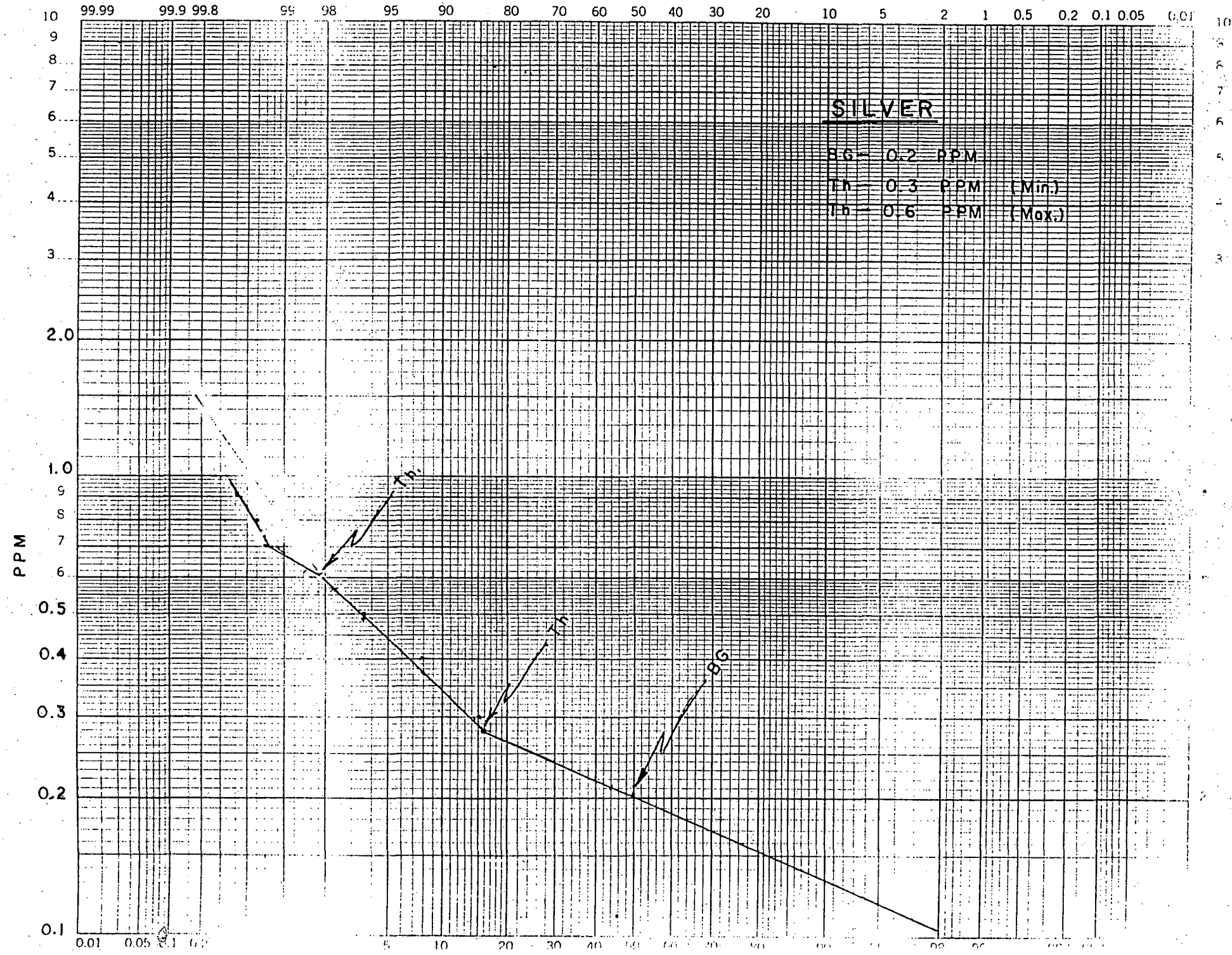


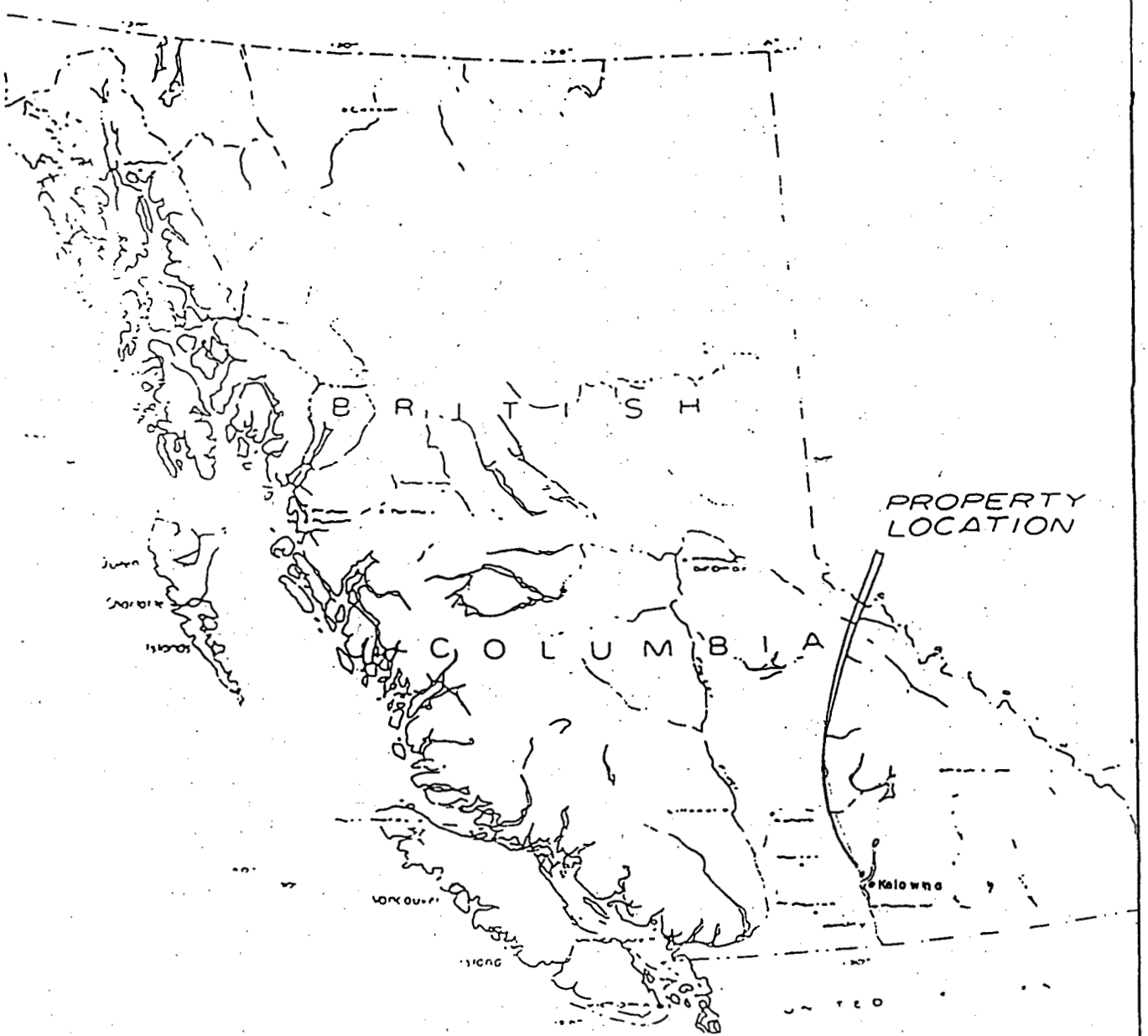
CUMULATIVE FREQUENCY PLOT FOR SILVER

CLASS	FREQUENCY	% FREQUENCY	CUMULATIVE FREQUENCY %
0.1	889	60.2	100.0
0.2	371	25.1	39.8
0.3	108	7.3	14.7
0.4	57	3.9	7.4
0.5	27	1.8	3.5
0.6	15	1.0	1.7
0.7	2	0.1	0.7
0.8	3	0.2	0.6
0.9	1	0.1	0.4
1.0	3	0.2	0.3
	1476	100.0	

PROBABILITY X 2 LOG CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

46 8040

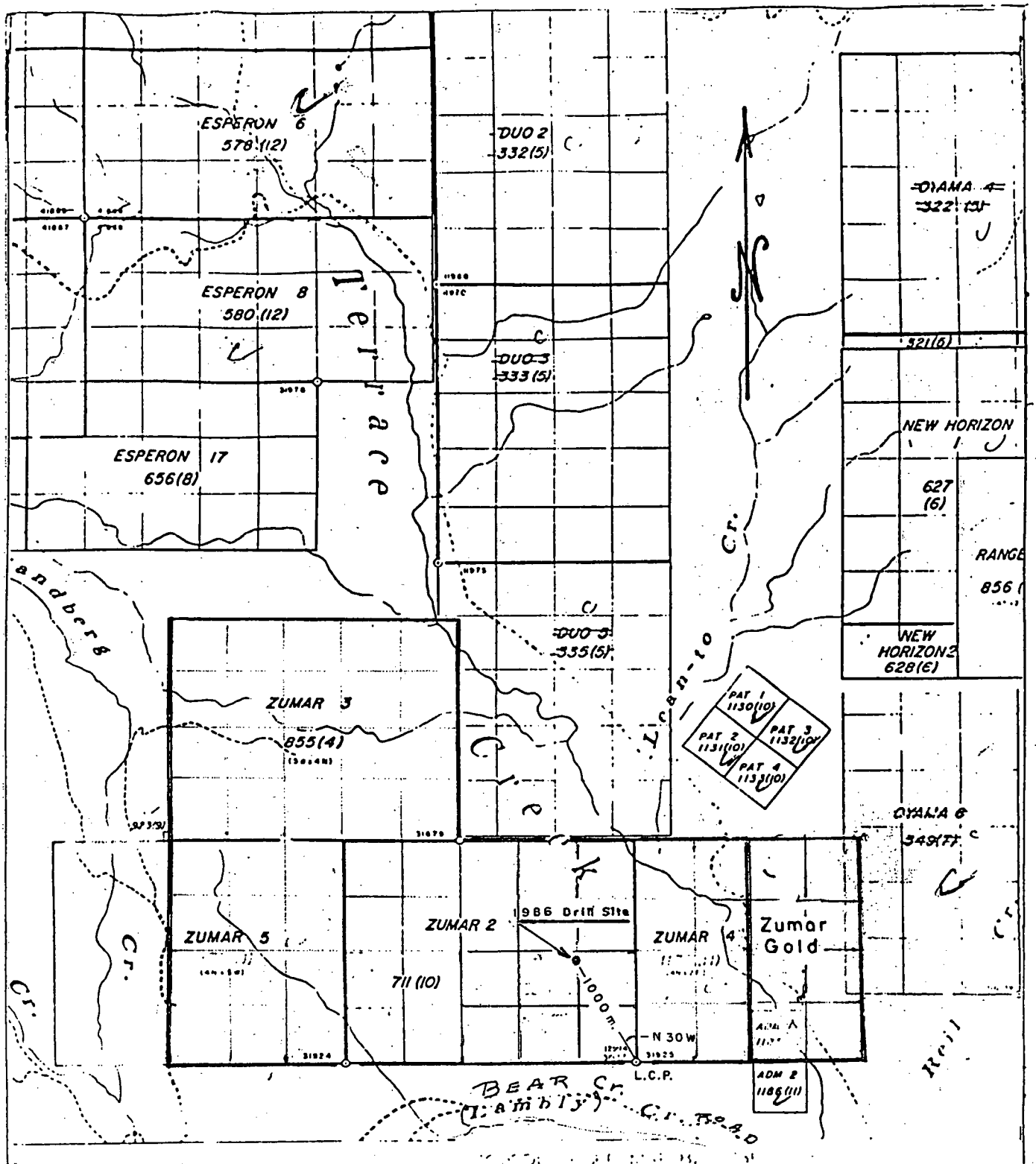




SKYWORLD RESOURCES & DEVELOPMENT LT

LOCATION MAP

PLATE 1



SKYWORLD RESOURCES & DEVELOPMENT LTD.

1986 DRILL SITE & AREA CLAIM MAP

82L/4E

SCALE - 1:50,000

PLATE 2

87-573-16416

ASSESSMENT REPORT

on

DIAMOND DRILLING -- 1986

The Zumar Group Of Mineral Claims
Vernon Mining Division

NTS 82L/4E
50 - 00 N, 119 - 43 W

PART 1 OF 2

For

Skyworld Resources & Development Ltd.
S2 C36 R.R.1 Yates Road
KELOWNA, B.C. V1Y 7R9

by

A.D. WILMOT, P. Eng.

KELOWNA, B.C. August 15, 1987

TABLE OF CONTENTS

CERTIFICATE

of

A.D. WILMOT, P. Eng.

Appendix

INTRODUCTION

This report is a record of the diamond drilling conducted on the Zumar Group of mineral claims during 1986.

(1) Location Access.

The property is located on the West Side of Okanagan Lake, 30 km by road from Kelowna. From the Westside road, access is by the Bear Creek logging road to 15.5 km and then by the Big Horn Creek branch road for another 4 km.

(2) Property Ownership.

The Zumar Group consists of the five claims as listed below, which are owned by Skyworld Resources Development Ltd. of 385 Yates Road, Kelowna, B.C. V1Y 7P9.

Claim Name	No. of Units	Record No.
Zumar 2	20	711
Zumar 3	20	2090
Zumar 4	8	2026
Zumar 5	12	2027
Zumar Gold	8	2157

(3) History

Mineral claim Zumar 2 which covers the known mineralization on the property was staked in 1979 and that winter the Zumar Vein was explored by four B.Q. diamond drill holes over a strike length of 50 m and to a depth of 30 m.

In 1980 a shipment of 60.8 tons of hand picked quartz was sent to the Trail smelter. The grade of this shipment was 0.139 ozs. of gold and 1.23 ozs. of silver per ton.

No further work was done on the property until it was acquired by Skyworld Resources in 1986, at which time magnetometer and geochemical surveys were conducted and subsequently by Diamond Drilling which is the subject of this report.

(4) Summary of work done.

In December, 1986 a drill contract was let to Interior Diamond Drilling Ltd. of Summerland, B.C. for 300 feet of B.Q. wire line drilling in one hole.

The hole was spotted to intersect the Zumar Vein at a vertical depth of 64 meters, or approximately 32 meters below the intersects of previous drilling. The hole, designated as 86-1 was commenced on December 9, and completed on December 16, 1986. The Zumar vein was intersected in this hole between 70.9 m and 70.1 m which gave an assay return of 0.145 ozs. gold and 0.94 ozs. silver per ton over a true width of 40 cm.

(5) Notes on Drilling

The hole was drilled through interbedded andesite and basalt, which has been subjected, in varying degrees, to granitic alteration. Disseminated pyrite occurs throughout the hole, which may range in places up to 3%. The latest intrusives are felsite dykes along with associated quartz veinlets and stringers.

The core recovery was close to 100%. It is stored with Mario Ciancone at 907 Richter Street, Kelowna, B.C.

(6) Economic Assessment.

The indicated tonnage and grade of the Zumar vein is not considered sufficient to merit further development at the present time.

(7) Statement of Expenditures

Drill contract with Interior Diamond Drilling Ltd. R.R.#2, Summerland, B.C. V0H 1Z0 drilling from December 9 to December 16, 1986,

297 ft. of B.Q. core drilling at $20/ft.	$5,940.00
BW Casing 20 ft. at $20.00 ft.	400.00
Cat Work	
D2 Cat 13 hours at $35.00 hr.	455.00
Mobilization and Demobilization	300.00
TOTAL	$7,095.00
Assaying	85.50
A. D. Wilmot, P.Eng.	
Supervision, Core logging and report	
including typing and reproduction.	768.79
TOTAL	$7,948.29

CERTIFICATE

I, Ashley D. Wilmot of Kelowna, B.C.

certify that

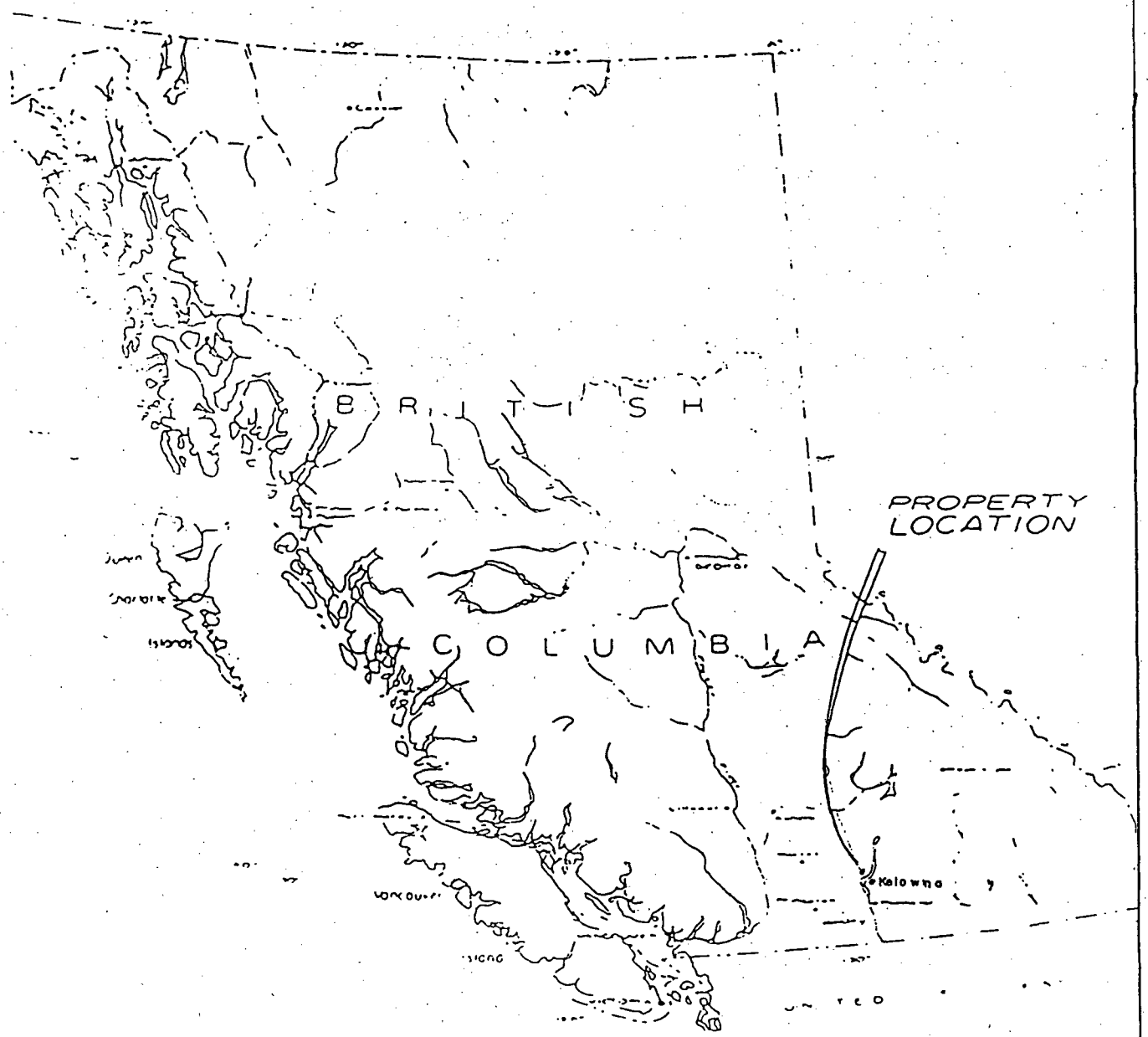
I graduated from Queen's University in 1936, with a Bachelor of Science Degree in Mining Engineering.

I a a life member of the B.C. Professional Engineers, the Canadian Institute of Mining & Metallurgy and the B.C. & Yukon Chamber of Mines.

I am the author of this report and I supervised the work therein described.

A.D. Wilmot, P.Eng.

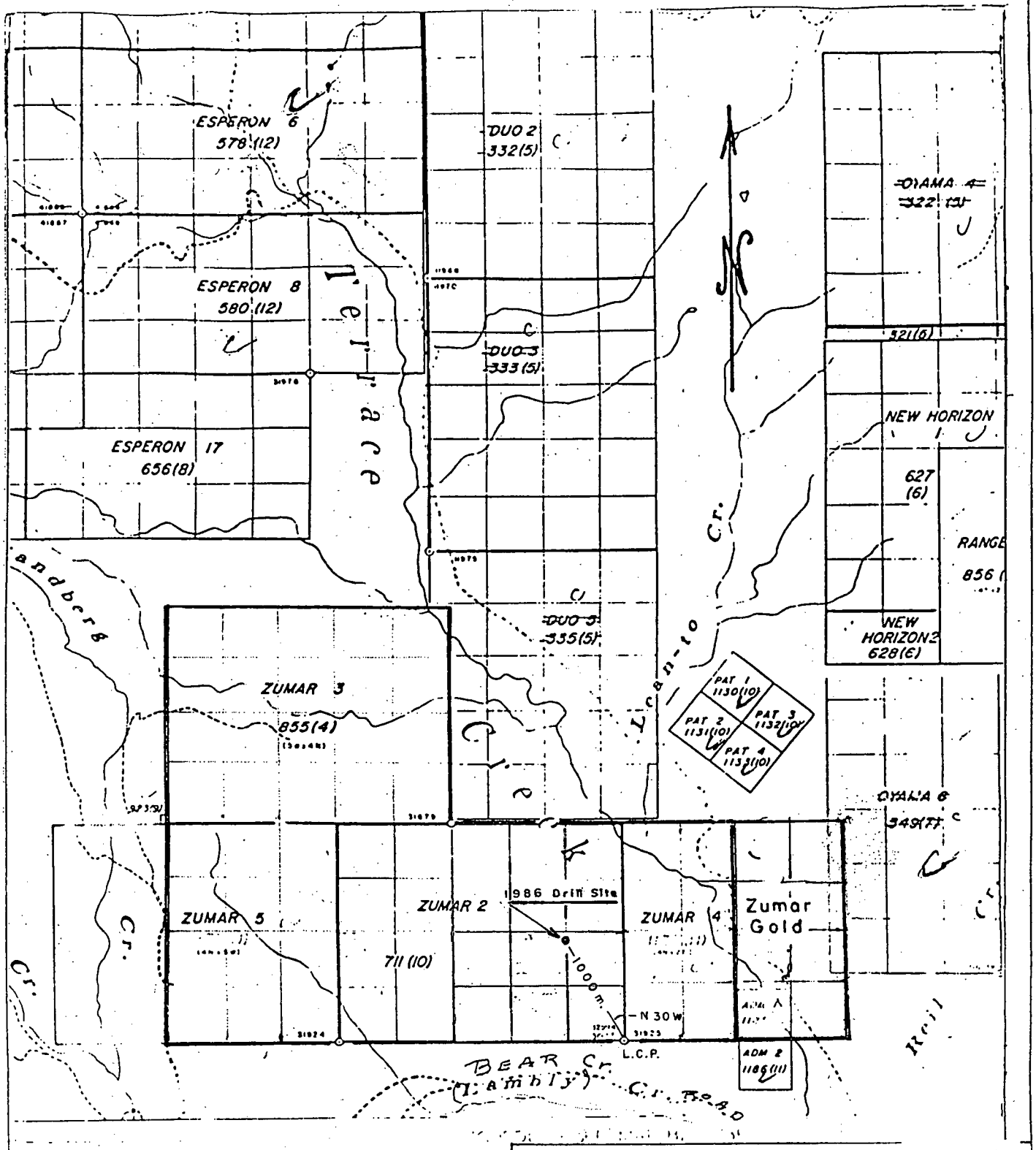
Kelowna, B.C.
August 15th, 1987



SKYWORLD RESOURCES & DEVELOPMENT LT

LOCATION MAP

PLATE 1



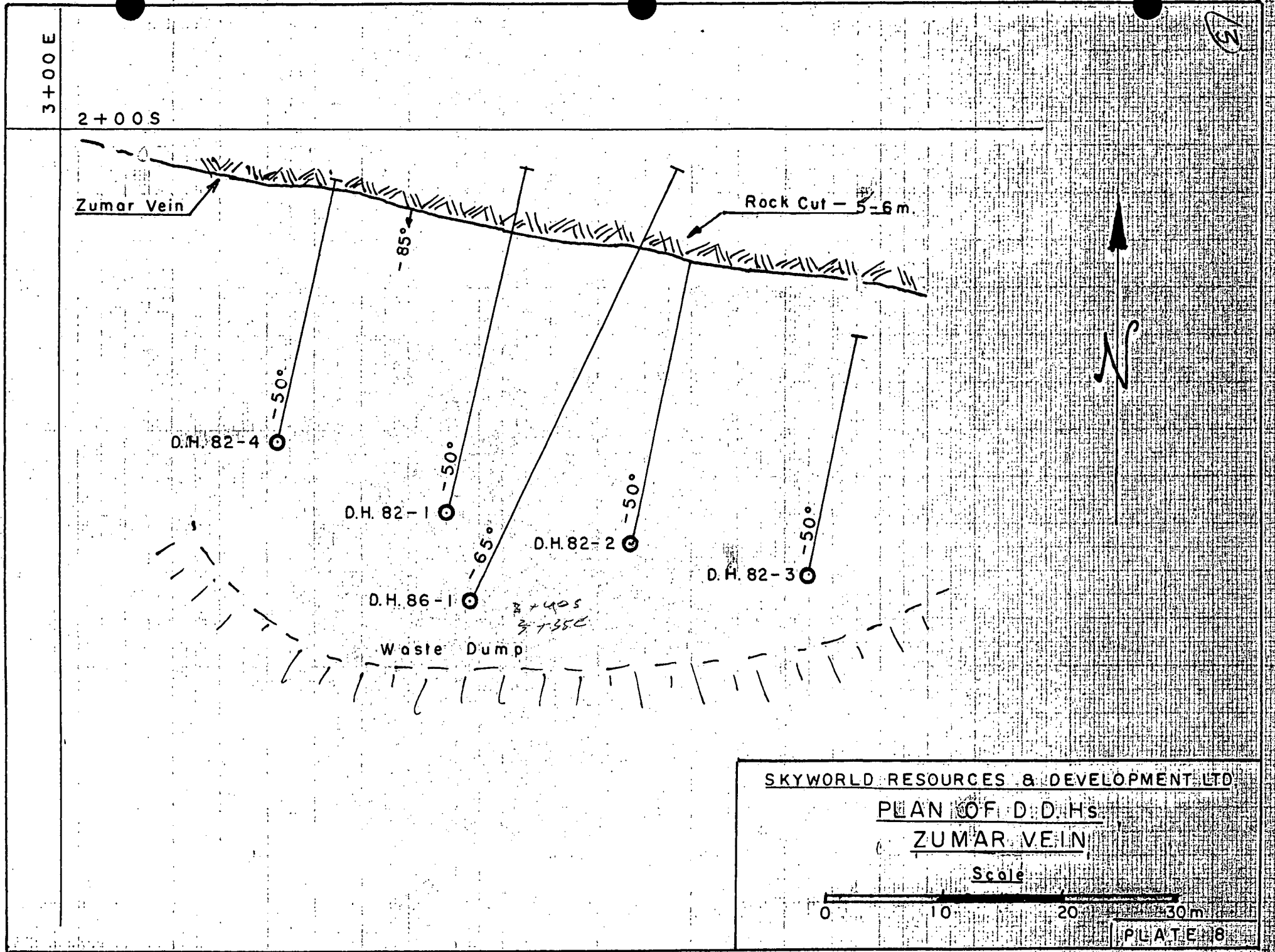
SKYWORLD RESOURCES & DEVELOPMENT LTD.

1986 DRILL SITE & AREA CLAIM MAP

82L/4E

SCALE - 1 : 50,000

PLATE 2



SKYWORLD RESOURCES & DEVELOPMENT LTD.

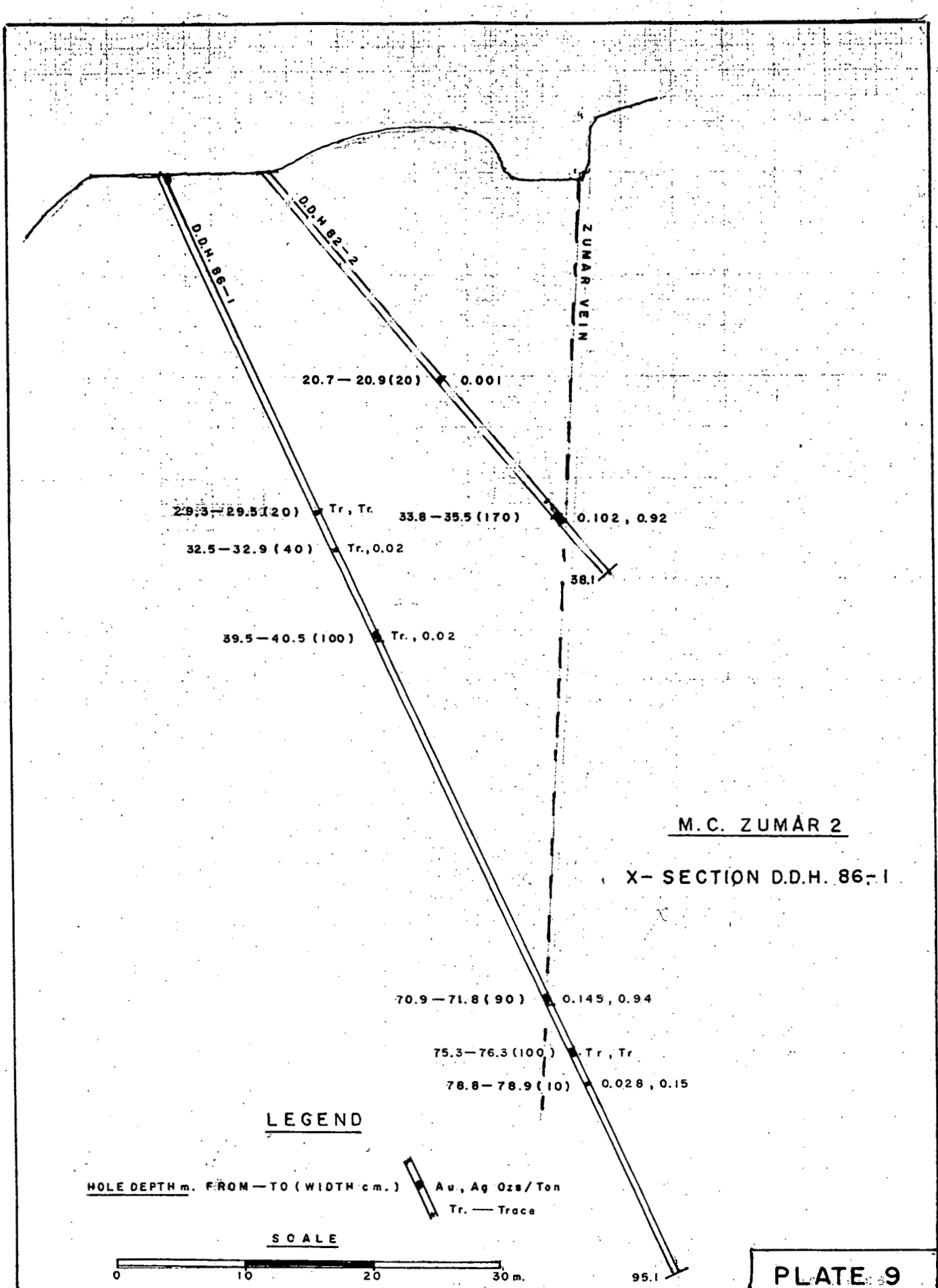
PLAN OF D.D.Hs

ZUMAR VEIN

Scale

0 10 20 30m

PLATE 8


D.D.H. 86-1
D.D.H 82-2
ZUMAR VEIN
20.7 — 20.9 (20) 0.001
29.3 — 29.5 (20) Tr , Tr.
32.5 — 32.9 (40) Tr., 0.02
33.8 — 35.5 (170) 0.102 , 0.92
38.1
39.5 — 40.5 (100) Tr. , 0.02
70.9 — 71.8 (90) 0.145 , 0.94
75.3 — 76.3 (100) Tr , Tr
78.8 — 78.9 (10) 0.028 , 0.15
95.1
M.C. ZUMAR 2
X- SECTION D.D.H. 86-1
LEGEND
HOLE DEPTH m. FROM — TO (WIDTH cm.) Au., Ag Ozs/Ton
Tr. — Trace
SCALE
0
10
20
30 m.
PLATE 9

DIAMOND DRILL RECORD

CLAIM NO. Zumar 2 PROPERTY Zumar HOLE NO. 86-1

LATITUDE 2 + 40S ELEVATION 1173 m. BEARING N 25 E DEPTH 95.1 m STARTED Dec 9/86 COMPLETED Dec 16/86

DEPARTURE 3 + 35E SECTION DIP -65° DRILLED BY Interior D. Dlng Ltd LOGGED BY DW

DEPTH FEET	FORMATION	SAMPLE NO.	FROM m.	TO m.	WIDTH cm.	ozs/ton ASSAYS Au	Ag		
0-4.5 m	Casing								
4.5-29.3	Basalt - Dark Green - Cleavage 45° to core minor flake pyrite on								
	cleavage planes. Olovine, epidote alteration @ 17.0 - 18.0 from								
	17.9 to 18.0 quartz filled breccia with 3% pyrite - up to 1% of								
	finely diseminated pyrite occurs throughout the basalt.								
29.3-29.5	Quartz veinlet 30° to core. Lean pyrite. @ 29.6 3 quartz	717W	29.3	29.5	20	Tr.	Tr.		
	stringers 1 cm. wide								
29.5-32.5	Fine grained siliceous basalt. Strong cleavage 40° to core.								
	@ 32.5 m. a 8 cm. quartz stringer 30° to core - 2% pyrite								
32.5-32.9	Fractured & altered andesite 20% quartz - lean pyrite	718W	32.5	32.9	40	Tr.	0.02		
32.9 -35.0	Dark Green Basalt								
35.0-39.5	Hybrid zone of quartz-feldspar alteration 37.1 to 37.5 Quartz felsite								
	dyke.								
39.5-40.5	Quartz felsite dyke 2% pyrite hematite on fractures - 45° to core	719W	39.5	40.5	100	Tr.	0.02		
40.5-45.4	Andesite - Pale Green. Hematite & pyrite on fracture planes.								

CLAIM NO. Zumar 2 **DIAMOND DRILL RECORD** PROPERTY Zumar HOLE NO. 86-1

LATITUDE ELEVATION BEARING N 25 E DEPTH 95.1 m STARTED December 9/86 COMPLETED December 16/86

DEPARTURE SECTION DIP - 65° DRILLED BY Interior D. Ding Ltd. LOGGED BY D W

DEPTH FEET	FORMATION	SAMPLE NO.	FROM m.	TO m.	WIDTH cm.	ozs/ton ASSAYS Au	Ag		
45.4-47.9	Andesite - Altered, highly fractured with disseminated dark minerals and calcite stringers								
47.9-51.4	Basalt - Fractured and altered as above with spotty black grains and calcite stringers and inclusions.								
51.4-56.2	Andesite - Pale green with scattered calcite stringers								
56.2-58.8	Amygdaloidal basalt								
58.8-70.9	Basalt - disseminated pyrite, with hematite coating fractures. Numerous calcite stringers from 63.1 to 68.3 - 10% intruded quartz with 2% pyrite.								
70.9-71.8	Quartz vein - 20% included wall rock - 5% pyrite - Fault gouge on foot wall.	720W	70.9	71.8	90	0.145	0.94		
71.8-77.1	Siliceous andesite - up to 2% disseminated pyrite								
75.3-76.3	Sample cut from andesite - 2% pyrite	722W	75.3	76.3	100	Tr	Tr		
77.1-77.5	Basalt with quartz inclusions								
77.5-83.0	Andesite - @ 78.8-78.9 Qtz vein - 10% pyrite	721W	78.8	78.9	10	0.028	0.15		
83.0-95.1	Basalt - Disseminated dark minerals Fractures 40° to core. Minor qtz - calcite stringers. Very sparce to nil pyrite								

ZUMAR 2

ZUMAR 4

LOCATION OF PLATE 6 SURVEY

LOCATION OF PLATE 7 SURVEY

Zumar Vein

LCP

16+00 W | 14+00 W | 12+00 W | 10+00 W | 8+00 W | 6+00 W | 4+00 W | 2+00 W | 0+00 | 2+00 E | 4+00 E | 6+00 E | 8+00 E | 10+00 E | 12+00 E | 14+00 E | 16+00 E | 18+00 E

10+00 N | 8+00 N | 6+00 N | 4+00 N | 2+00 N | B/L 0+00 | 2+00 S | 4+00 S | 6+00 S | 8+00 S | 10+00 S

COPPER

Background — 13 PPM

Threshold — 24 PPM

SILVER

Background — 0.2 PPM

Threshold — 0.3 (Min.), 0.6 (Max)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,416

LEGEND

- COPPER CONTOUR — 24 to 49 PPM
- COPPER CONTOUR — 50 to 112 PPM
- SILVER CONTOUR — 0.3 to 0.5
- SILVER CONTOUR — 0.6 to 1.1

PPM COPPER — 21 : 0.3 — PPM SILVER

ACCESS ROAD

SKYWORLD RESOURCES & DEVELOPMENT LTD.

M.Cs. ZUMAR No. 2 & 4

VERNON MINING DIVISION

GEOCHEMICAL SURVEY

SCALE

0 100 200 300m.

A.D. WILMOT P. Eng. Oct. 1986

PLATE 5

16+00W 14+00W 12+00W 10+00W 8+00W 6+00W 4+00W 2+00W L.0+00 2+00E 4+00E 6+00E 8+00E 10+00E 12+00E 14+00E 16+00E 18+00E

10+00N 8+00N 6+00N 4+00N 2+00N B/L 0+00 2+00S 4+00S 6+00S 8+00S 10+00S

Quartz, Mica, Rust

ZUMAR 2

ZUMAR 4

1200 1100 1000

creek

BIG HORN CREEK

D.D.H. 86-1

LCP

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,416

GEOLOGICAL LEGEND

LATE TERTIARY
- 6 black andesite dykes
- 5 brown trachyte dykes

EOCENE
- 4 feldspar porphyry trachyte dykes

EARLY TERTIARY
- 3 conglomerate
- 3a granodiorite clasts predominantly
- 3b Cash Creek Group clasts predominantly

LATE JURASSIC or CRETACEOUS — COAST (NELSON) INTRUSIVES
- 2 granodiorite

PERMIAN
- 1 andesite tuffs
- 1a hornfelsis andesite tuffs | 1b brecciated by faulting
- 1c dioritic hybrid andesite tuff

GEOLOGICAL SYMBOLS
- rock outcrop
- talus or angular float
- fault
- 60 / 60 bedding, joints, strike and dip
- py/cpy pyrite, chalcopyrite
- brd, tr. brecciated; trace
- roads
- contour interval 20m.

GEOLOGY by M. MORRISON B.Sc.

SKYWORLD RESOURCES & DEVELOPMENT LTD.

M.Cs. ZUMAR No. 2 & 4

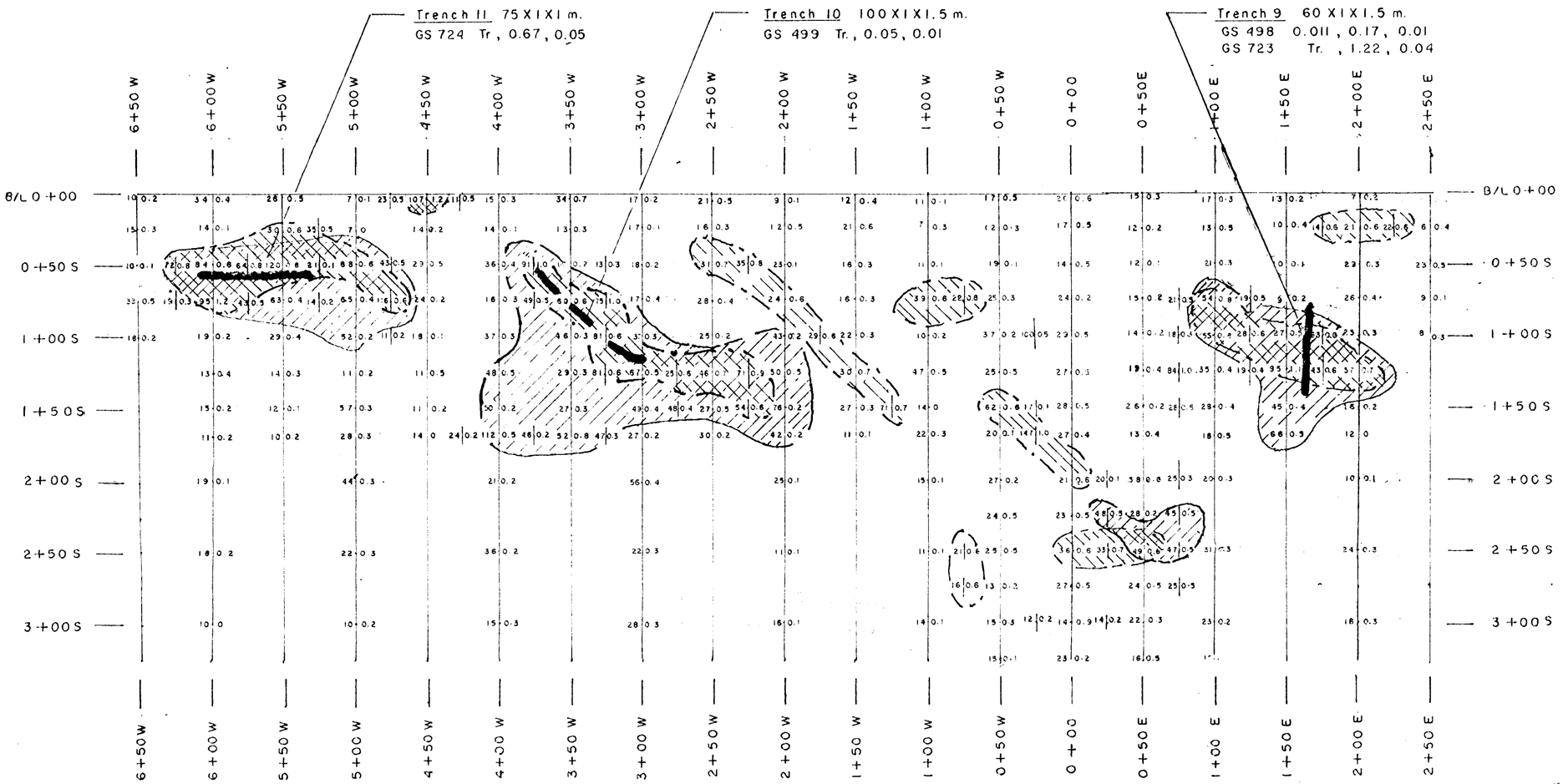
VERNON MINING DIVISION

GEOLOGICAL MAP

SCALE 0 100 200 300m.

A.D. WILMOT P.Eng. Sept. 1986

PLATE 3



LEGEND

- Copper Contour 45 -- 145 PPM
- Silver Contour 0.6 — 1.2 PPM
- 20 | 0.5 — 20 PPM Cu | 0.5 PPM Ag
- Trench
- GS 490 — Grab Sample 490 — Au, Ag Ozs/Ton, Cu% — 0.01, 0.70, 0.5
- Tr. — Trace (Less Than 0.001 Ozs/Ton)

COPPER

Background — 13 P.P.M.
Threshold — 24 P.P.M.

SILVER

Background — 0.2 P.P.M.
Threshold — 0.6 P.P.M.

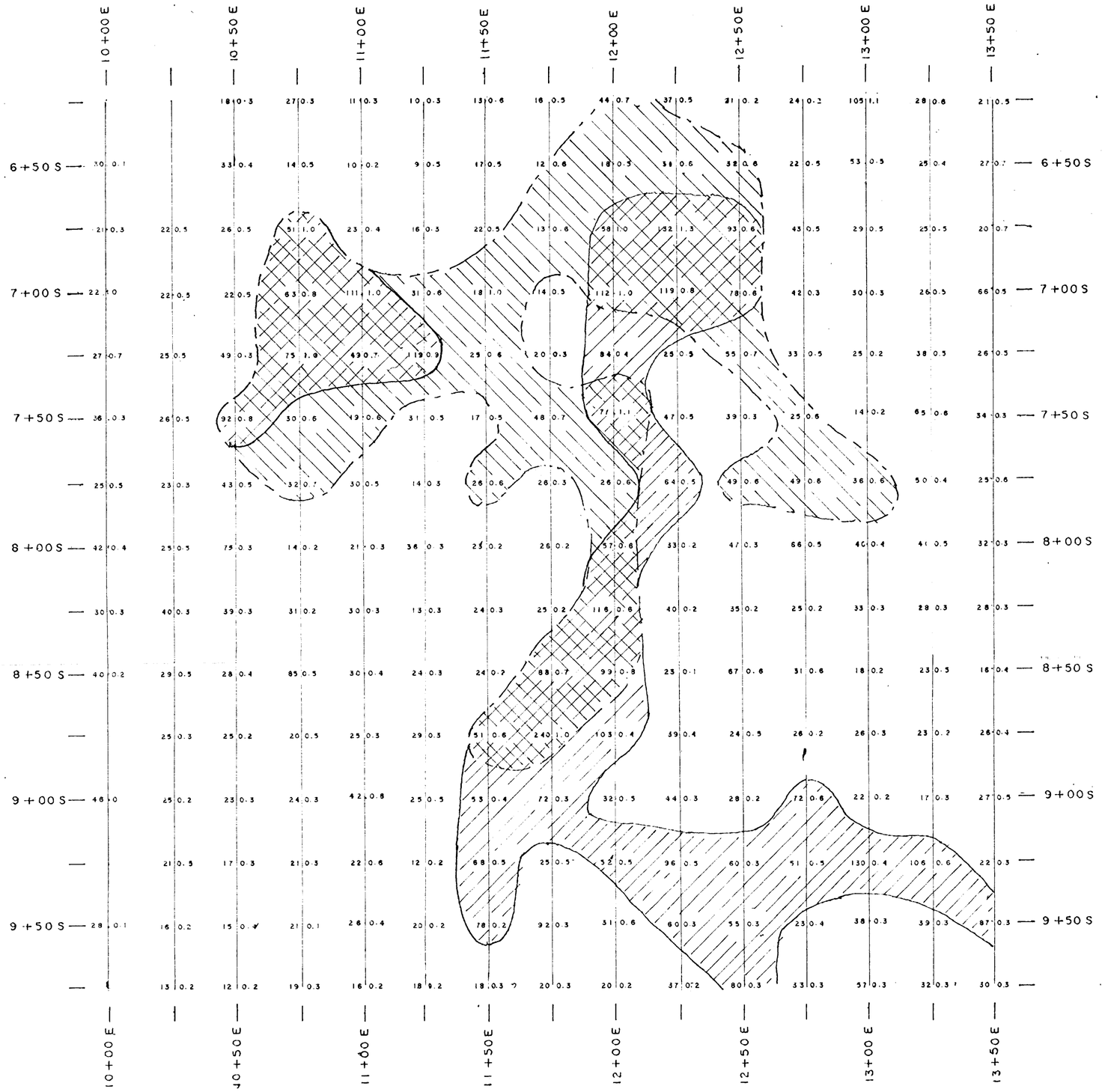
SKYWORLD RESOURCES & DEVELOPMENT LTD.
M.C. ZUMAR 2
VERNON B.C.

SCALE: 1 : 2500	APPROVED BY:	DRAWN BY D. W.
DATE: NOV. 1986		REVISED Aug 87

GEOCHEMICAL SURVEY
FOP COPPER & SILVER.

Scale 0 50 100 150 m.

DRAWING NUMBER 6



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,416

COPPER

Background — 13 P.P.M.

Threshold — 24 P.P.M.

SILVER

Background — 0.2 P.P.M.

Threshold — 0.6 P.P.M.

LEGEND

Copper Contour 50 — 150 PPM

Silver Contour 0.6 — 1.2 PPM

20 | 0.5 — 20 PPM Cu | 0.5 PPM Ag

SKYWORLD RESOURCES & DEVELOPMENT LTD.

M.C. ZUMAR 4

VERNON M.D.

SCALE: 1 : 1250	APPROVED BY:	DRAWN BY D.W.
DATE: NOV. 1986		REVISED

GEOCHEMICAL SURVEY
FOR COPPER & SILVER

Scale : 0 25 50 75 m.

DRAWING NUMBER 7