

MAP No.

ASSESSMENT REPORT
 N. M. E. A. P.
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 OPEN FILE



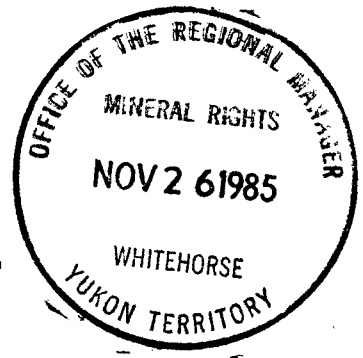
TYPE OF
 WORK:

GEOLOGICAL, GEOCHEMICAL

105 D 6

REPORT FILED UNDER	Walhalla Exploration Ltd.	DOCUMENT NO.	091666
DATE PERFORMED	September 1-25, 1985	DATE FILED:	November 25, 1985
LOCATION - LAT.	60°15'N	AREA:	
LONG.	135°12'W		
CLAIM NO.	WAL 1-65 YA86025-YA86089 HEAVY METAL 1-4 YA86021-YA86024		
VALUE \$			
WORK DONE BY	C.G. Verley		
WORK DONE FOR	Amerlin Exploration Services Ltd.		
REMARKS	<p>The claims are underlain by Cretaceous quartz monzonite which is intruded by Eocene rhyolitic and andesitic dykes and overlain by Eocene Pyroclastics. A total of 228 soil samples were taken and analyzed for Au, Ag, Pb, Zn and As. Twelve rock samples were analyzed for Au and Ag. A small number of moderately anomalous values were reported.</p> <p style="text-align: right;">40x 85 p.106 ✓</p>		

091666



**PRELIMINARY
GEOLOGICAL AND GEOCHEMICAL REPORT
ON THE WAL 1-65 CLAIMS**

Whitehorse Mining District, Y.T.
NTS 105D/3,6
(60°15'N, 135°12'W)

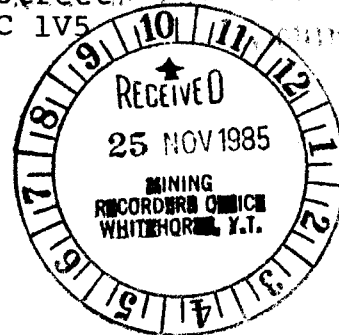
for

WALHALLA EXPLORATION LTD.
5 Teak Avenue
Whitehorse, Y.T. Y1A 4W5
(403) 633-2974

by

Carl G. Verley, B.Sc., Geologist
AMERLIN EXPLORATION SERVICES LTD.
422 - 470 Granville Street
Vancouver, B.C. V6C 1V5
(604) 689-1966

November 1985



CLAIMS: WAL 1-65 inclusive
LOCATION: 45 miles (72 km) by road south of Whitehorse, YT
DATE: September 1 to 25, 1985

091666

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 6900.00.

DA Emend

for
Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

000100

TABLE OF CONTENTS

	Page
SUMMARY AND CONCLUSIONS	3
INTRODUCTION	5
Location	5
Access	6
Previous Work	6
PROPERTY	8
GEOLOGY	10
Lithologies	11
Structure	13
SOIL GEOCHEMISTRY	14
RECOMMENDATIONS	20
REFERENCES	22
APPENDICES:	
A. Analytical Data	
B. Statutory Declaration	
C. Personnel	
D. Writer's Certificate	

List of Figures

Figure 1.	Photo: View south and west across WAL claims	1
2.	Location Map	2
3.	WAL Claims 1-65	9
4.	Soil Grid location with respect to WAL claims	15
5.	Probability graph of Au, Ag in soils . .	16
6.	Probability graph of As, Pb, Zn in soils	17

Plates

Plate 1.	Geology	In Pocket
2.	Soil Grid location with respect to topography	"
3.	Soil Geochemistry	"



Figure 1: View southwest across WAL claims to Mt. Skukum Gold Mine and Omni Resources Inc. Mt. Reid Au-Ag prospect.

FIGURE 2

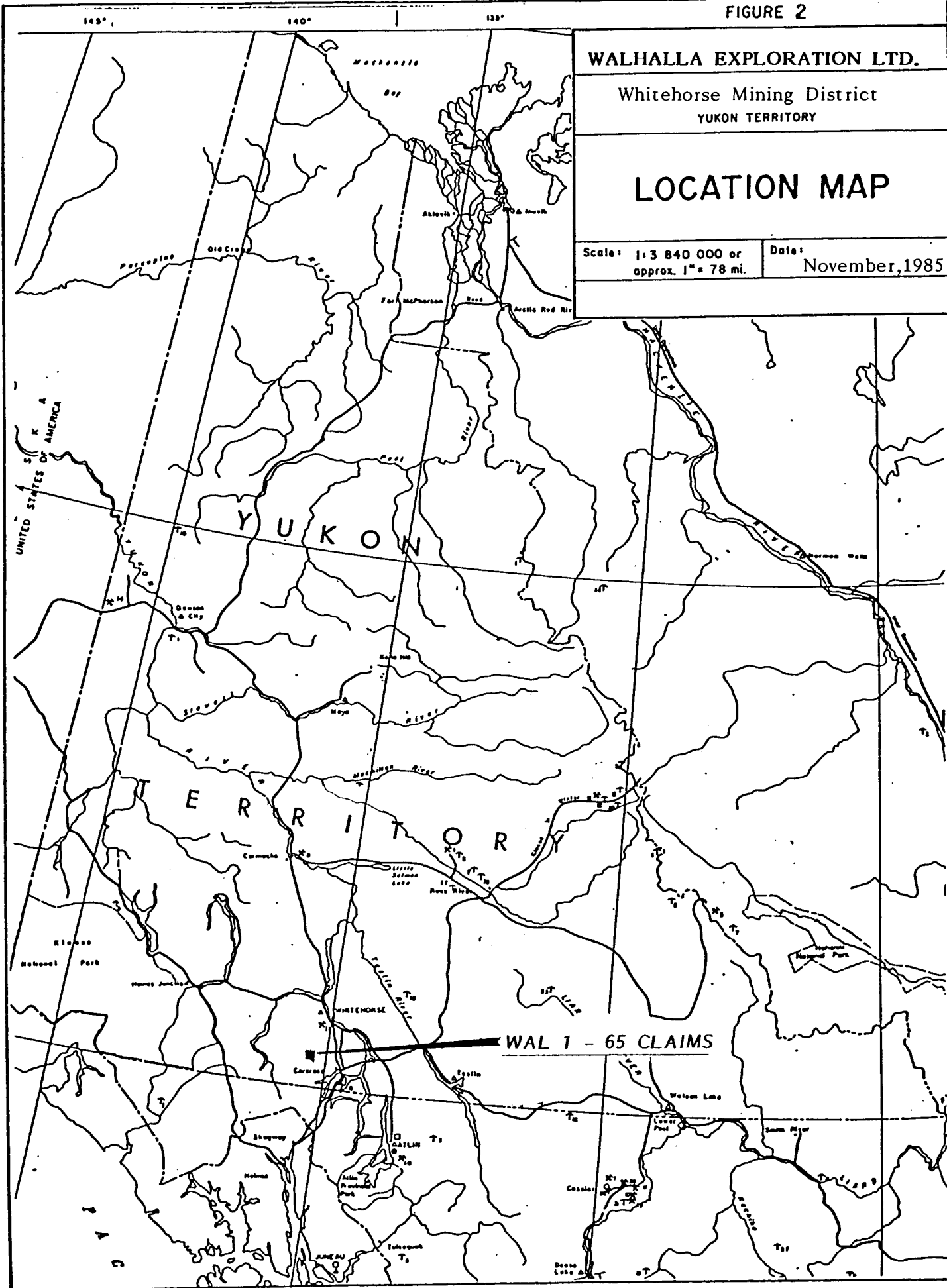
WALHALLA EXPLORATION LTD.

Whitehorse Mining District
YUKON TERRITORY

LOCATION MAP

Scale: 1:3 840 000 or
approx. 1" = 78 mi.

Date: November, 1985



S U M M A R Y A N D C O N C L U S I O N S

The WAL 1-65 mineral claims are situated in the Wheaton River area, Whitehorse Mining District (NTS 105D/3,6), Yukon Territory. The property is accessible by an all weather road up the Wheaton River, a distance of 72 kilometres from Whitehorse.

The group is underlain by Cretaceous quartz monzonite which is overlain by Eocene Skukum group volcanic flows and associated pyroclastics. The quartz monzonite is intruded by a series of acid to intermediate dykes. The dykes are presumably age-equivalent to the Skukum group. Northerly to northwesterly trending fault or fault-related structures cross the property.

The current program of work consisted of an initial examination of the geological setting, preliminary prospecting

and reconnaissance soil sampling. Results of this work are encouraging and indicate that the claims are in a similar geological environment to other Au-Ag prospects in the district. Soil sampling results indicate bedrock Au-Ag mineralization may be located on the claims. In view of these results, a two-staged exploration program is recommended to test the extent of existing soil anomalies and further evaluate the property. The estimated cost of this proposed program is \$150,000.

I N T R O D U C T I O N

This report describes the results of a preliminary evaluation of a part of the WAL 1-65 mineral claims. The object of the work was to examine the property for similarities in geological environment to other Au discoveries in the area and to initiate soil sampling to test some areas for their potential for hosting gold-silver mineralization.

LOCATION

The claims are located 72 kilometres south of Whitehorse in the Whitehorse Mining District, Y.T. (NTS 105D/3,6). Centered at latitude $60^{\circ}15'N$ and longitude $135^{\circ}12'W$, the ground covers, in part, Dawson Charlie Creek and the upland plateau area immediately north of the Wheaton River. Physiographically, the property lies on predominantly grass

covered alpine ground, although lower elevations are treed and brush covered. Terrain is gentle on the upland parts, but steepens considerably toward the claim boundaries. Elevations range from 3400' to 5800' above sea level.

ACCESS

Excellent access is provided by an all-weather road that leads up the Wheaton River valley to the Mount Skukum gold mine. From Whitehorse, travel time to the property by road is slightly more than one hour.

PREVIOUS WORK

No previous work has been reported on the ground covered by the WAL claims, prior to Walhalla's involvement in the area. However, considerable exploration work is currently being conducted immediately to the north (Gold Hill) and to the west (Vesuvius Hill) on Au-Ag prospects held by Shakwak Exploration Co. The Mount Skukum gold mine, 16 kilometres west of the WAL is currently being readied for a February 1986 production start-up. This deposit, discovered only recently in

1981, is regarded as a classic epithermal gold deposit. Published recoverable mine reserves at Skukum are presently 235,000 tonnes (259,000 tons) grading 20 GM/T (0.58 oz/t) Au. Proven, probable and possible geological reserves exceed 450,000 tonnes (496,000 tons) (Watson and Grapes, 1983). Skukum highlights the mine-making potential of this area.

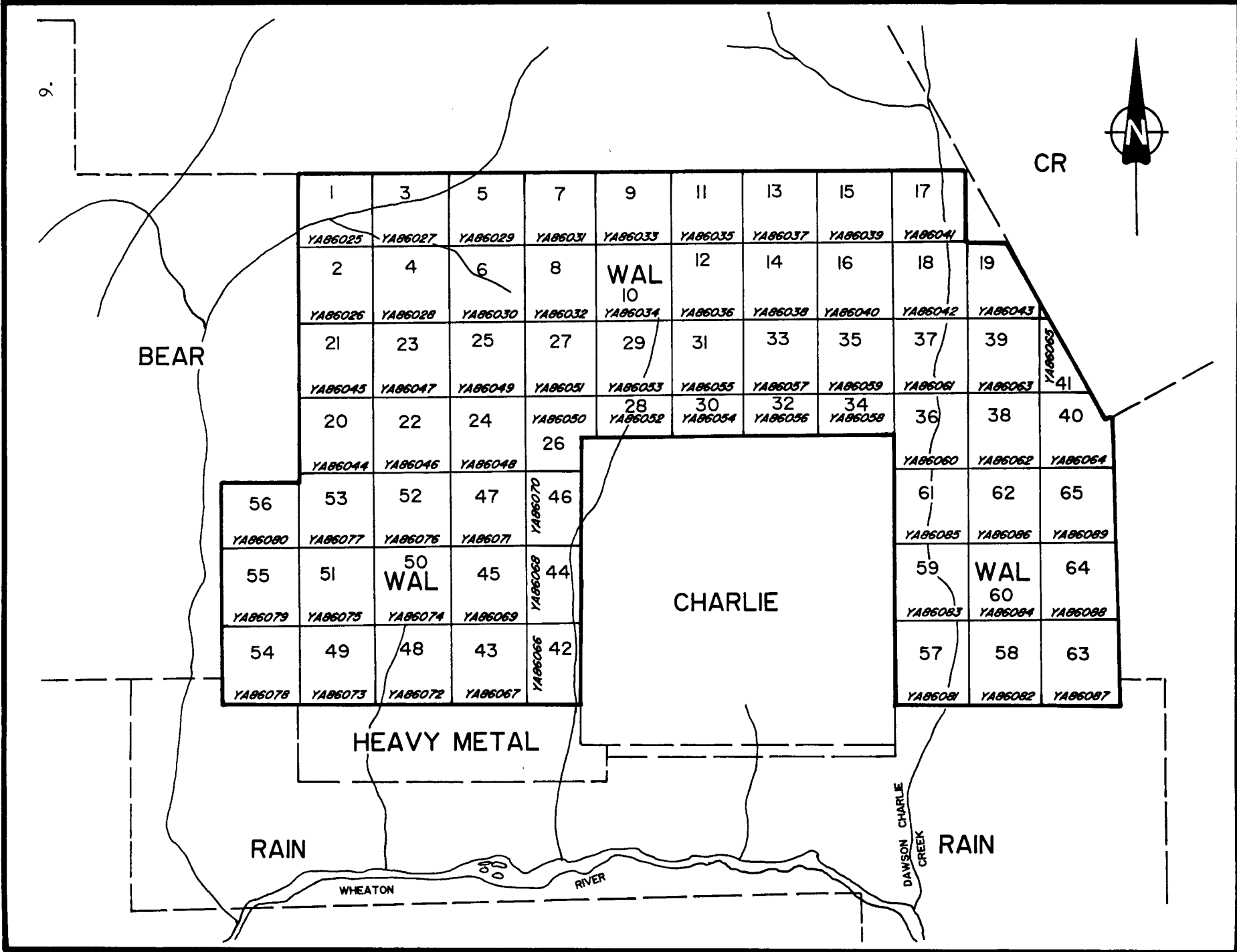
Further activity in the vicinity of the WAL claims is on Noranda's Mt. Anderson gold prospect 7 kilometres to the south and on Omni Resources Inc.'s Mt. Reid Au-Ag discovery 16 kilometres southwest. Extensive drilling, with encouraging results, has been conducted on Omni's ground in the past season.

P R O P E R T Y

The WAL claims (Figure 3) were acquired for Walhalla Exploration Ltd. by MBW Surveys Ltd. of Whitehorse, Y.T. in October 1984. The property, located in the Whitehorse Mining District (NTS 1205D/3,6), consists of a total of 65 mineral claims:

	Grant Number	Expiry Date*
WAL 1-65	YA86025 - YA86089	October 24, 1986

*Pending acceptance of current work by Mining Recorder



CLAIM SKETCH SHOWING

WAL CLAIMS I - 65

FIGURE 3

DATE

OCTOBER 1985

SCALE

APPROX. 1 : 30 000

DRAWN BY

H.L.D.S.

G E O L O G Y

The WAL claims are located in the northern part of the Coast Range Plutonic Complex, a tectonic element that has been a prolific gold producer in the Canadian Cordillera.

Regionally, the area is underlain by volcanics of uncertain age and metasediments of the Yukon group (Paleozoic or older). These are overlain, in some areas, by remnants of Upper Triassic Lewes River sediments and volcanics and Lower Jurassic Laberge group sediments. The whole succession is intruded by Cretaceous Coast intrusions. Eocene Skukum group volcanics and associated pyroclastics overlie all these lithologies (Wheeler, 1961). Tertiary, possibly Eocene, dykes intrude the succession as well and may be related to the magmatism that produced the Skukum eruptive series.

Detailed geological mapping of the whole claim area has not been carried out at present. The distribution of lithologies (Plate 1) was supplemented by information contained on maps by M.J. Pride (1985).

LITHOLOGIES

Cretaceous: Quartz Monzonite

Approximately two-thirds of the property is underlain by a grey weathering biotite-quartz monzonite. This intrusive is coarse to medium-grained. It is part of a large plutonic mass that underlies an extensive portion of the Wheaton River area. Gold-silver mineralization at Skakwak's Gold Hill property to the north of the WAL, Noranda's Mt. Anderson claims to the south and Omni's Mt. Reid discovery to the southwest are all hosted in this quartz monzonite.

Eocene: Skukum Volcanics

The western third of the WAL claims is underlain by a sequence of intercalated acid to intermediate flows and pyroclastics - mainly lapilli tuffs (Eskt). Within this

sequence, exposures of an epiclastic rock (Eske) consisting of angular to subrounded, pebble to boulder sized clasts of quartz monzonite from resistant units. Some of the exposures exhibit a crude layering or sorting. In the writer's opinion these deposits represent talus accumulations that were shed off quartz monzonite scarps that existed immediately to the east at the time Skukum volcanics were being deposited. They are significant in that they give some indications of paleotopography in this area. Just east of the main exposures of Skukum volcanics on the WAL claims, a small capping of flow banded rhyolite or possibly welded tuffs (Eskt) overlies quartz monzonite.

Eocene: Dykes

Numerous dykes intrude the quartz monzonite on the property. The dykes are texturally and presumably compositionally variable. Ranging from orangish weathering, fine-grained to aphanitic, white to cream coloured alaskites or rhyolites (Ead), brownish coloured, andesitic feldspar porphyry (Efp), to quartz-feldspar porphyries (Eqfp) these dykes are common across the property. However, limited exposure on the upland plateau area makes it difficult to determine the exact extent, widths or attitudes of the dykes and more importantly, alteration and mineralization at contacts with the quartz

monzonite. It appears that the dykes have a northerly to northwesterly trend. The alaskitic dykes appear to exert an important control on the localization of gold-silver mineralization on Omni's Mt. Reid property and Skakwak's Gold Hill group. Age relationships of the dykes and Skukum volcanics have not been determined.

STRUCTURE

The most prominent structural trend on the WAL claims is the north to northwesterly orientation of dykes and faults, in particular the major fault separating Skukum volcanics from quartz monzonite on the west side of the property. It is probable that this trend is related to ancestral structural trends that are common throughout the area as is now evident in linear features such as Becker Creek and the Wheaton River valley. Furthermore, this trend may have been reactivated during Eocene times with the eruption of Skukum volcanics and emplacement of dykes. At this time, the old structures probably served as channelways, concentrating gold-silver-bearing solutions.

S O I L G E O C H E M I S T R Y

Soil sampling on the WAL claims was conducted over a total of 21.28 kilometres of grid (Figure 4) in an area underlain by quartz monzonite and dykes. A total of 228 samples were collected at 100 metre intervals on picketed lines, spaced 100 metres apart. All samples were placed in numbered kraft envelopes and delivered to Bondar-Clegg and Company Ltd.'s laboratory in Whitehorse. There they were dried, sieved and analysed for Au, Ag, As, Pb and Zn as per method and extraction techniques outlined on data sheets (Appendix A).

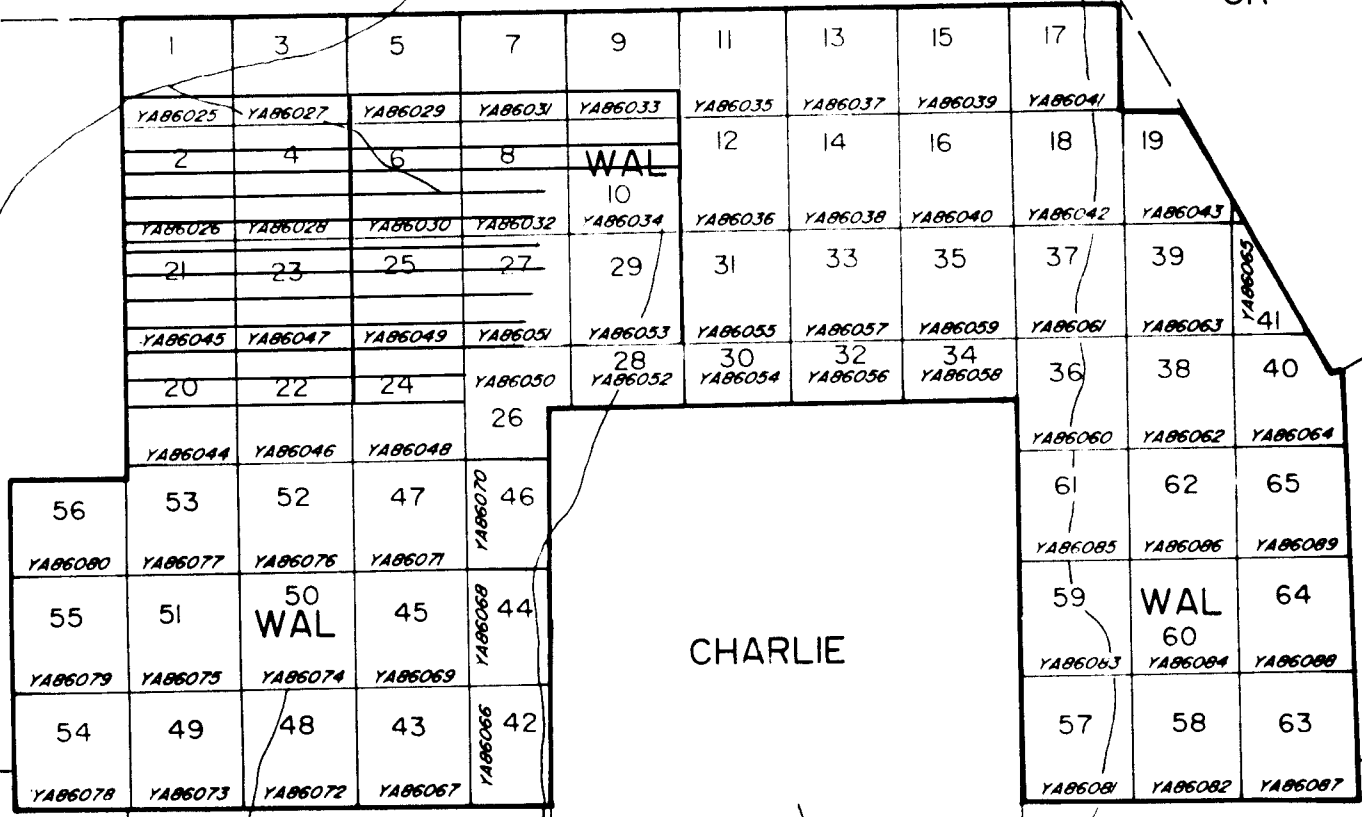
Probability graphs of the data are found in Figures 5 and 6. The distributions suggest that As and Zn values belong to one population each and probably do not reflect values that would be developed if mixing of an anomalous population, of values generated from a mineralized source, had occurred. However, it could be argued that thick overburden in the area

15.



BEAR

CR



CHARLIE

HEAVY METAL

RAIN

RAIN

WHEATON

RIVER

DAWSON CHARLIE CREEK

FIGURE 4

WAL CLAIMS I - 65

GRID LOCATION

CLAIM SKETCH SHOWING

DATE
OCTOBER 1985

SCALE
APPROX 1:30 000

DRAWN BY

H.L.D.S.

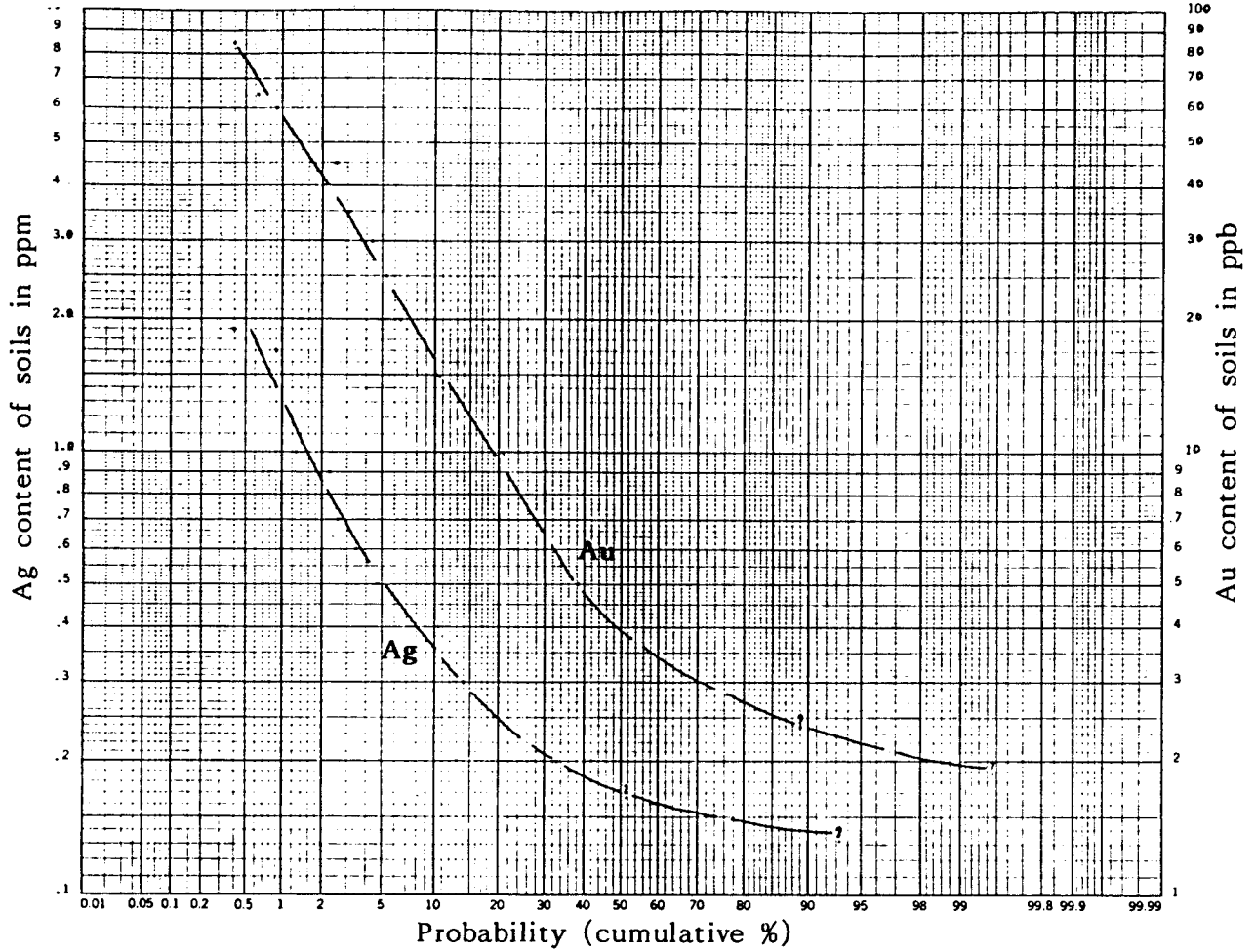


FIGURE 5

Probability Graph - Gold and Silver in Soils

WAL 1 - 65 Claims

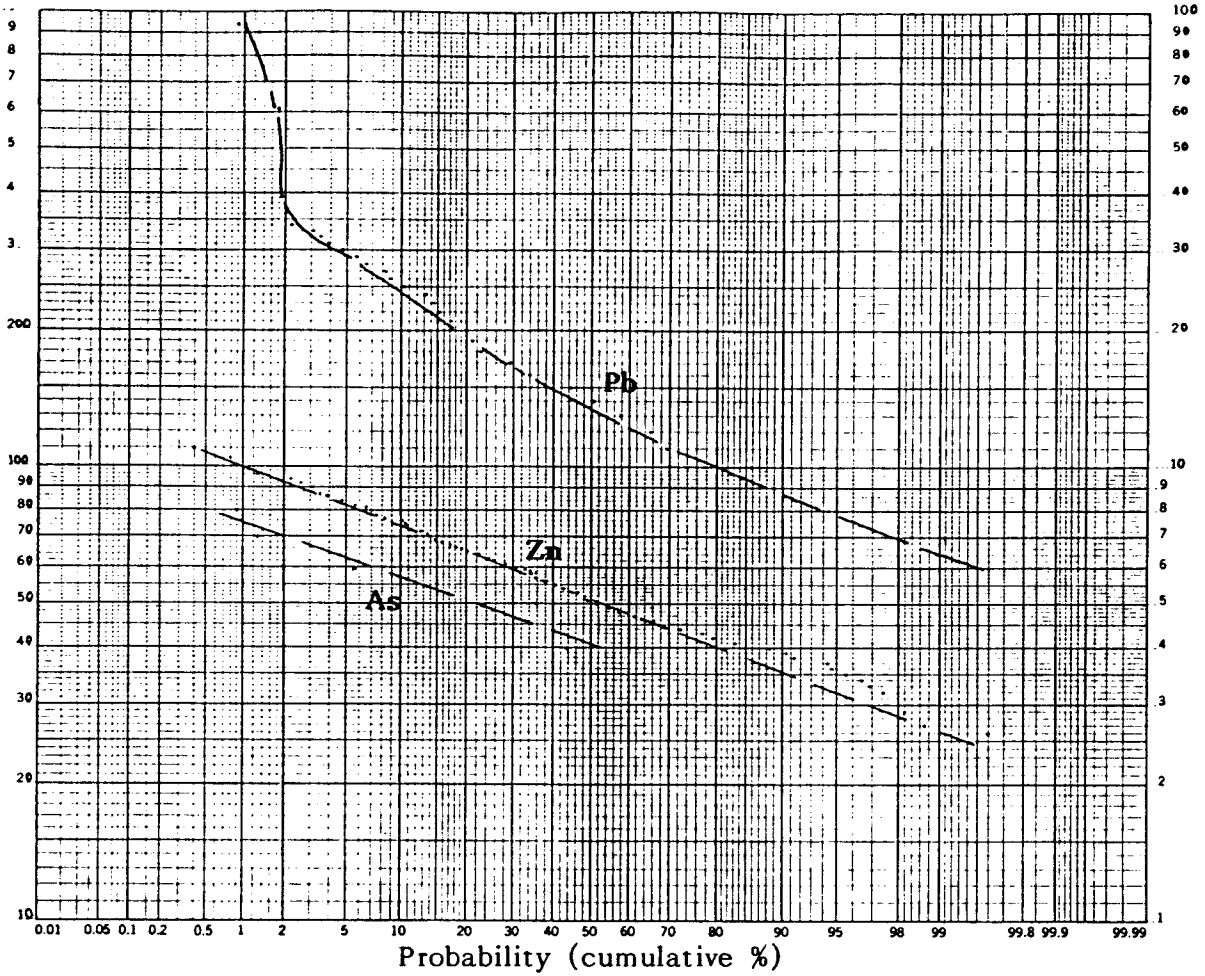


FIGURE 6

Probability Graph - Arsenic, Lead and Zinc in Soils

WAL 1 - 65 Claims

sampled masks the mineralized area and consequently inhibits dispersion of metals in the medium sampled. On the other hand, Pb, Au and Ag values each suggest mixing of a second population indicating that bedrock mineralization may exist on the WAL claims to produce this second "anomalous" population. The low number of anomalous values may, again, reflect masking of mineralized zones by overburden. An interpretation of soil data in terms of background and anomalous categories is tabulated below.

Table 1
Interpretation of Soil Data

	<u>Range</u>	<u>Background</u>	<u>Possibly Anomalous</u>	<u>Anomalous</u>
Au	5- 85 ppb	5- 29 ppb	30- 59 ppb	60+ ppb
Ag	0.2-1.9 ppm	0.2-0.4 ppm	0.5-0.9 ppm	1.0+ ppm
Pb	3-330 ppm	3- 21 ppm	30- 60 ppm	61+ ppm
Zn	25-110 ppm	25- 83 ppm	84+ ppm	-
As	3- 8 ppm	3- 8 ppm	-	-

The results of the sampling indicate that several clusters of anomalous and possibly anomalous samples occur on the grid. Stations 00E to 100E, lines 900N, 1000N have lead and silver anomalies that are open to the northwest. From stations 400E and 500E between lines 700N to 1000N, several samples are anomalous in gold and lead. Stations 900E to 1200E, lines 300N to 700N have samples anomalous in silver with possibly anomalous lead values as well. There is a strong possibility that the anomalous areas and subtle possibly anomalous haloes around them reflect bedrock Au-Ag mineralization. Furthermore, it is conceivable that such mineralization may be localized at the contact of northwest trending dykes within the quartz monzonite underlying the grid, in a setting similar to that at Gold Hill and Mt. Reid. Because of the depth of overburden in some areas, bedrock mineralization may be masked or only produce weakly anomalous soil sample results. Further sampling should be conducted at closer intervals (50 metres) on lines and at deeper levels in overburden.

R E C O M M E N D A T I O N S

For the 1986 field season, a two stage success-contingent exploration program is recommended to further evaluate the WAL claims.

Stage I:	Further soil sampling, detailed geological mapping, prospecting and geophysical surveying.	
	- Soil sampling, grid prep. 60 km grid @ \$150/km	\$ 9,000
	- Analytical costs 1000 samples @ \$12/sample	12,000
	- Induced polarization survey 20 km @ \$600/km	12,000
	- Helicopter support 10 hrs @ \$550/hr	5,500
	- Field support	<u>6,000</u>
		44,500
	- Contingency	<u>5,500</u>
	Total Stage I	\$ 50,000

Stage II	Diamond drilling to test anomalies generated by Stage I.	
	- 2000 feet NQWL @ \$24/ft.	\$ 48,000
	- Support costs	<u>43,000</u>
		91,000
	- Contingency	<u>9,000</u>
	Total Stage II	\$100,000
	Grand Total Stages I and II	\$150,000

Respectfully submitted,

Carl G. Verley.

Carl G. Verley, F.G.A.C.

Vancouver, B.C.

November 15, 1985

R E F E R E N C E S

- Pride, M.J., 1985: Preliminary Geological Map of Mount Skukum Volcanic Complex, Indian and Northern Affairs Canada.
- Watson, P. and K. Grapes, 1985: Yukon Exploration and Geology 1983, Indian and Northern Affairs Canada.
- Wheeler, J.O., 1961: Whitehorse Map-area, Yukon Territory, Geological Survey of Canada, Memoir 312.

APPENDIX A
ANALYTICAL DATA



REPORT: 125-3334 (COMPLETE)

REFERENCE INFO:

CLIENT: WALHALLA EXPLORATION LTD.
 PROJECT: WAL CLAIMS

SUBMITTED BY: M. BARKER
 DATE PRINTED: 16-OCT-85

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	PB LEAD	228	2 PPM	HNO3-HCL HOT EXTR	ATOMIC ABSORPTION
2	ZN ZINC	228	1 PPM	HNO3-HCL HOT EXTR	ATOMIC ABSORPTION
3	AG SILVER	240	0.2 PPM	HNO3-HCL HOT EXTR	ATOMIC ABSORPTION
4	AU GOLD - FIRE ASSAY	240	5 PPM	FIRE-ASSAY	FIRE ASSAY AA
5	AS ARSENIC	228	2 PPM	NITRIC PERCHLOR DIG	COLOURIMETRIC

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
E SOILS	228	1 - 90	228	DRY, SEIVE - 90	228
VARIOUS SAMPLE TYPES	1	-150	1	CRUSH/PULVERIZE -150	12
R ROCK OR ESB ROCK	12	2 -150	12		

REPORT COPIES TO: WALHALLA EXPLORATION LTD.

INVOICE TO: WALHALLA EXPLORATION LTD.



REPORT: 125-3734

PROJECT: WAL CLATHO

PAGE: 1

SAMPLE NUMBER	ELEMENT UNITS	PB FPH	ZN PPM	AG PPM	AU PPB	AS PPM
S1 L0+00N 0+00E		17	39	<0.2	<5	3
S1 L0+00N 1+00E		17	55	<0.2	<5	4
S1 L0+00N 2+00E		19	36	<0.2	<5	4
S1 L0+00N 3+00E		16	32	<0.2	<5	4
S1 L0+00N 4+00E		13	34	<0.2	5	5
S1 L0+00N 5+00E		15	43	<0.2	<5	5
S1 L0+00N 6+00E		20	61	<0.2	<5	4
S1 L0+00N 7+00E		13	47	<0.2	5	4
S1 L0+00N 8+00E		19	46	<0.2	<5	4
S1 L0+00N 9+00E		34	54	0.2	<5	8
S1 L0+00N 10+00E		10	43	<0.2	65	5
S1 L0+00N 11+00E		9	38	<0.2	<5	5
S1 L0+00N 12+00E		11	46	<0.2	<5	5
S1 L0+00N 13+00E		12	50	<0.2	30	5
S1 L0+00N 0+00E		21	53	0.2	<5	6
S1 L1+00N 1+00E		17	47	<0.2	<5	5
S1 L1+00N 2+00E		16	43	<0.2	10	5
S1 L1+00N 3+00E		17	49	<0.2	<5	5
S1 L1+00N 4+00E		19	45	<0.2	<5	5
S1 L1+00N 5+00E		15	64	<0.2	<5	3
S1 L1+00N 6+00E		27	66	<0.2	10	4
S1 L1+00N 7+00E		8	57	<0.2	5	4
S1 L1+00N 8+00E		7	62	<0.2	<5	4
S1 L1+00N 9+00E		10	61	<0.2	<5	5
S1 L1+00N 10+00E		17	66	0.2	10	5
S1 L1+00N 11+00E		12	86	0.3	<5	5
S1 L1+00N 12+00E		15	54	0.2	<5	4
S1 L1+00N 13+00E		14	49	0.2	<5	4
S1 L1+00N 14+00E		11	56	<0.2	<5	4
S1 L1+00N 15+00E		6	56	<0.2	5	4
S1 L1+00N 16+00E		3	48	<0.2	<5	4
S1 L2+00N 0+00E		16	44	<0.2	15	5
S1 L2+00N 1+00E		20	64	<0.2	5	4
S1 L2+00N 2+00E		14	39	<0.2	10	4
S1 L2+00N 3+00E		15	61	<0.2	5	4
S1 L2+00N 4+00E		15	40	<0.2	10	5
S1 L2+00N 5+00E		21	56	<0.2	<5	5
S1 L2+00N 7+00E		10	46	<0.2	5	4
S1 L2+00N 8+00E		13	43	<0.2	5	4
S1 L2+00N 9+00E		10	41	<0.2	<5	4

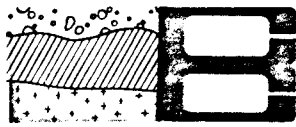


REPORT: 125-3334

PROJECT: WAL CLAIMS

PAGE 2

SAMPLE NUMBER	ELEMENT UNITS	FR PPM	ZN PPM	AG PPM	AU PPR	AS PPM
S1 L2+00N 10+00E		10	41	<0.2	<5	5
S1 L2+00N 11+00E		15	49	0.2	<5	4
S1 L2+00N 12+00E		20	46	0.2	<5	5
S1 L2+00N 13+00E		10	53	0.2	<5	4
S1 L2+00N 14+00E		7	78	0.4	<5	4
S1 L2+00N 15+00E		10	65	<0.2	<5	5
S1 L2+00N 16+00E		8	66	<0.2	<5	5
S1 L3+00N 0+00E		15	46	<0.2	<5	5
S1 L3+00N 1+00E		13	42	<0.2	15	5
S1 L3+00N 2+00E		61	43	<0.2	10	4
S1 L3+00N 3+00E		17	49	<0.2	<5	5
S1 L3+00N 4+00E		14	47	<0.2	10	5
S1 L3+00N 5+00E		30	60	0.2	5	5
S1 L3+00N 6+00E		20	59	0.2	<5	5
S1 L3+00N 7+00E		10	54	<0.2	5	5
S1 L3+00N 8+00E		14	59	<0.2	<5	4
S1 L3+00N 9+00E		12	54	<0.2	<5	5
S1 L3+00N 10+00E		8	53	<0.2	<5	5
S1 L3+00N 11+00E		12	57	<0.2	<5	5
S1 L3+00N 12+00E		15	73	1.0	<5	5
S1 L3+00N 13+00E		7	75	0.2	<5	4
S1 L3+00N 14+00E		13	76	<0.2	10	5
S1 L3+00N 14+80E		23	60	<0.2	<5	5
S1 L3+50N 0+00E		15	56	<0.2	<5	5
S1 L4+00N 0+00E		13	40	<0.2	<5	6
S1 L4+00N 1+00E		14	45	<0.2	<5	5
S1 L4+00N 2+00E		21	60	<0.2	5	5
S1 L4+00N 3+00E		12	39	<0.2	<5	5
S1 L4+00N 4+00E		15	47	<0.2	<5	6
S1 L4+00N 5+00E		13	43	<0.2	<5	6
S1 L4+00N 6+00E		15	45	<0.2	5	5
S1 L4+00N 7+00E		7	76	<0.2	5	5
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S1 L4+00N 11+00E		10	41	0.4	<5	5
S1 L4+00N 12+00E		17	63	0.4	<5	5
S1 L4+00N 13+00E		16	57	0.2	5	5
S1 L4+00N 14+00E		28	82	0.4	45	4
S1 L4+00N 14+80E		16	55	<0.2	<5	4



REPORT: 125-3334

PROJECT: WAL CLAIMS

PAGE 3

SAMPLE NUMBER	ELEMENT UNITS	PB PPM	ZN PPM	AG PPM	AU PPB	AS PPM
S1 L5+00N 0+00E		17	48	<0.2	<5	5
S1 L5+00N 1+00E		20	64	<0.2	25	5
S1 L5+00N 2+00E		16	42	<0.2	<5	5
S1 L5+00N 3+00E		33	37	0.3	5	5
S1 L5+00N 4+00E		10	39	<0.2	<5	5
S1 L5+00N 5+00E		12	40	<0.2	<5	6
S1 L5+00N 6+00E		13	47	<0.2	<5	5
S1 L5+00N 7+00E		9	44	<0.2	<5	6
S1 L5+00N 8+00E		8	57	<0.2	<5	6
S1 L5+00N 9+00E		11	58	0.2	<5	4
S1 L5+00N 10+00E		24	61	0.4	<5	7
S1 L5+00N 11+00E		27	110	0.2	<5	6
S1 L5+00N 12+00E		22	74	0.2	5	7
S1 L5+00N 13+00E		13	63	<0.2	5	5
S1 L5+00N 14+00E		27	67	0.5	<5	5
F 5+00N 15+00E		15	60	<0.2	10	5
S1 L6+00N 0+00E		15	43	<0.2	<5	5
S1 L6+00N 1+00E		21	94	0.6	10	6
S1 L6+00N 2+00E		20	69	0.2	15	5
S1 L6+00N 3+00E		10	37	<0.2	<5	5
S1 L6+00N 4+00E		20	54	0.4	<5	5
S1 L6+00N 5+00E		10	41	<0.2	10	5
S1 L6+00N 6+00E		7	37	<0.2	<5	5
S1 L6+00N 7+00E		8	52	0.2	<5	5
S1 L6+00N 8+00E		8	59	0.2	<5	6
S1 L6+00N 9+00E		15	50	1.9	5	4
S1 L6+00N 10+00E		32	68	0.4	<5	5
S1 L6+00N 11+00E		18	71	0.2	10	6
S1 L6+00N 12+00E		18	69	<0.2	5	5
S1 L6+00N 13+00E		12	47	0.2	<5	6
S1 L6+00N 14+00E		17	80	<0.2	<5	5
S1 L6+00N 15+00E		25	46	0.3	65	3
S1 L7+00N 0+00E		12	35	<0.2	<5	3
S1 L7+00N 1+00E		7	26	<0.2	<5	3
S1 L7+00N 2+00E		15	44	<0.2	<5	3
S1 L7+00N 3+00E		14	46	<0.2	10	4
S1 L7+00N 4+00E		25	34	0.2	35	4
S1 L7+00N 5+00E		10	47	<0.2	<5	4
S1 L7+00N 6+00E		10	49	0.2	<5	3
S1 L7+00N 7+00E		10	47	0.2	<5	3



REPORT: 125-3834

PROJECT: WAL CLAIMS

PAGE 4

SAMPLE NUMBER	ELEMENT UNITS	PB PPM	ZN PPM	AG PPK	AU PPB	AS PPM
S1 L7+00N 8+00E		10	52	<0.2	10	3
S1 L7+00N 9+00E		11	51	<0.2	5	4
S1 L7+00N 10+00E		33	90	<0.2	<5	7
S1 L7+00N 11+00E		28	68	0.3	<5	4
S1 L7+00N 12+00E		15	58	<0.2	<5	4
S1 L7+00N 13+00E		13	72	<0.2	<5	4
S1 L7+00N 14+00E		15	50	0.4	20	4
S1 L7+00N 15+00E		16	56	<0.2	<5	3
S1 L7+00N 16+00E		11	62	0.2	<5	4
S1 L7+00N 17+00E		14	70	0.2	<5	3
S1 L7+00N 18+00E		15	60	<0.2	<5	4
S1 L7+00N 19+00E		31	96	0.3	5	8
S1 L7+00N 20+00E		13	53	<0.2	<5	4
S1 L7+00N 21+00E		12	47	<0.2	<5	4
S1 L7+00N 21+50E		10	43	<0.2	15	4
S1 L8+00N 0+00E		10	44	<0.2	<5	4
S1 L8+00N 1+00E		13	43	<0.2	<5	3
S1 L8+00N 2+00E		12	37	<0.2	5	3
S1 L8+00N 3+00E		10	37	<0.2	5	4
S1 L8+00N 4+00E		330	87	0.5	85	3
S1 L8+00N 5+00E		30	72	0.3	5	3
S1 L8+00N 6+00E		14	61	<0.2	5	4
S1 L8+00N 7+00E		10	52	0.2	10	4
S1 L8+00N 8+00E		17	63	<0.2	<5	4
S1 L8+00N 9+00E		10	44	<0.2	<5	4
S1 L8+00N 10+00E		16	62	0.3	5	3
S1 L8+00N 11+00E		10	40	<0.2	10	4
S1 L8+00N 12+00E		14	41	0.5	5	4
S1 L8+00N 13+00E		17	63	0.4	5	4
S1 L8+00N 14+00E		13	84	<0.2	10	3
S1 L8+00N 15+00E		9	55	<0.2	5	3
S1 L8+00N 16+00E		15	64	0.7	<5	4
S1 L8+00N 17+00E		8	50	<0.2	<5	4
S1 L8+00N 18+00E		7	46	<0.2	<5	3
S1 L8+00N 19+00E		8	52	<0.2	30	4
S1 L8+00N 20+00E		7	40	<0.2	5	4
S1 L8+00N 21+00E		10	40	0.2	15	4
S1 L8+00N 21+50E		11	42	<0.2	<5	4
S1 L9+00N 0+00E		10	42	<0.2	15	4
S1 L9+00N 1+00E		94	76	0.4	20	4



REPORT: 125-3334

PROJECT: WAL CLAIMS

PAGE 5

SAMPLE NUMBER	ELEMENT UNITS	PB PPM	ZN PPM	AG PPM	AU PPB	AS PPM
S1 L9+00N 2+00E		27	64	0.2	<5	4
S1 L9+00N 3+00E		25	26	<0.2	<5	4
S1 L9+00N 4+00E		24	105	0.2	5	5
S1 L9+00N 5+00E		17	77	0.2	<5	5
S1 L9+00N 6+00E		14	46	<0.2	5	5
S1 L9+00N 7+00E		10	40	<0.2	10	6
S1 L9+00N 8+00E		10	44	<0.2	5	5
S1 L9+00N 9+00E		10	42	<0.2	<5	5
S1 L9+00N 10+00E		7	40	<0.2	5	4
S1 L9+00N 11+00E		8	41	<0.2	5	5
S1 L9+00N 12+00E		16	67	0.2	10	5
S1 L9+00N 13+00E		16	65	0.3	10	4
S1 L9+00N 14+00E		9	45	0.9	<5	4
S1 L9+00N 15+00E		10	64	0.2	<5	4
S1 L9+00N 16+00E		11	81	0.2	<5	4
S1 L9+00N 17+00E		10	67	0.2	<5	4
S1 L9+00N 18+00E		7	53	<0.2	45	3
S1 L9+00N 19+00E		8	53	<0.2	<5	4
S1 L9+00N 20+00E		8	48	<0.2	20	4
S1 L9+00N 21+00E		12	41	<0.2	5	4
S1 L9+00N 21+50E		10	40	<0.2	<5	4
S1 L10+00N 0+00E		90	63	1.7	5	4
S1 L10+00N 1+00E		12	49	0.4	15	4
S1 L10+00N 2+00E		10	47	0.2	30	4
S1 L10+00N 3+00E		10	38	<0.2	<5	5
S1 L10+00N 4+00E		26	77	0.2	<5	4
S1 L10+00N 5+00E		17	92	0.2	<5	3
S1 L10+00N 6+00E		15	71	<0.2	<5	4
S1 L10+00N 7+00E		12	43	<0.2	<5	4
S1 L10+00N 8+00E		10	41	0.6	25	5
S1 L10+00N 9+00E		12	50	<0.2	5	4
S1 L10+00N 10+00E		9	41	<0.2	<5	4
S1 L10+00N 11+00E		10	46	<0.2	5	4
S1 L10+00N 12+00E		13	44	<0.2	<5	4
S1 L10+00N 13+00E		23	76	0.2	<5	4
S1 L10+00N 14+00E		18	66	<0.2	<5	3
S1 L10+00N 15+00E		24	94	0.4	<5	5
S1 L10+00N 16+00E		11	55	<0.2	5	4
S1 L10+00N 17+00E		14	73	0.2	<5	3
S1 L10+00N 18+00E		15	59	0.2	<5	4



REPORT: 125-3334

PROJECT: WAL CLAIMS

PAGE 6

SAMPLE NUMBER	ELEMENT UNITS	PB PPM	ZN PPM	AG PPM	AU PPB	AS PPM
S1 L10+00N 19+00E		13	49	0.2	<5	4
S1 L10+00N 20+00E		13	48	<0.2	15	5
S1 L10+00N 21+00E		13	66	<0.2	<5	4
S1 L10+00N 21+50E		13	45	<0.2	<5	4
S1 L1+00S 0+00E		29	58	<0.2	<5	4
S1 L1+00S 1+00E		22	50	<0.2	<5	4
S1 L1+00S 2+00E		29	45	<0.2	<5	4
S1 L1+00S 3+00E		24	37	<0.2	<5	5
S1 L1+00S 4+00E		24	44	<0.2	<5	4
S1 L1+00S 5+00E		12	35	0.4	<5	4
S1 L1+00S 6+00E		24	50	<0.2	<5	4
S1 L1+00S 7+00E		10	52	0.2	<5	3
S1 L1+00S 8+00E		12	48	<0.2	<5	4
S1 L1+00S 9+00E		15	60	<0.2	<5	5
S1 L1+00S 10+00E		25	40	<0.2	<5	5
S1 L1+00S 11+00E		12	29	<0.2	<5	5
S1 L1+00S 12+00E		14	48	<0.2	<5	5
S1 L1+00S 13+00E		23	82	<0.2	<5	5
S1 L2+00S 0+00E		15	33	<0.2	<5	4
S1 L2+00S 1+00E		10	25	<0.2	10	4
S1 L2+00S 2+00E		18	53	<0.2	<5	5
S1 L2+00S 3+00E		9	27	<0.2	<5	5
S1 L2+00S 4+00E		16	59	0.2	<5	4
S1 L2+00S 5+00E		15	40	<0.2	60	3
S1 L2+00S 6+00E		17	37	<0.2	<5	4
S1 L2+00S 7+00E		11	43	<0.2	<5	3
S1 L2+00S 8+00E		14	51	0.2	<5	3
S1 L2+00S 9+00E		9	40	<0.2	10	3
WALL CL (PREFIX)						
R2 QUARTZ MONZONITE IN.			<0.2	<5		
R2 RHYOLITE DYKE WHITE			<0.2	<5		
R2 RHYOLITE DYKE TAN			<0.2	<5		
R2 FELDSPAR PORPH. DYKE			<0.2	<5		
R2 GFF DYKE			<0.2	<5		
R2 ANDESITIC FELDSPAR			0.2	<5		
R2 SKUKUN VOLC. WALL CL			<0.2	10		
R2 ROCK BAG 3			<0.2	5		
R2 L5+00N 200E			<0.2	10		
R2 L5+00N 7-8E			<0.2	5		
R2 N5+00 11+00E			0.2	<5		

APPENDIX B
STATUTORY DECLARATION

STATUTORY DECLARATION

CANADA)
)
TO WIT)

In the matter of a geological and geochemical report
on behalf of Walhalla Exploration Ltd.

I, Carl G. Verley, agent for Amerlin Exploration Services Ltd.
of 422 - 470 Granville Street, Vancouver, B.C. V6C 1V5

do solemnly declare - that geological mapping and geochemical sampling were
conducted on the WAL 1 to 65 mineral claims, Whitehorse Mining District,
Yukon, during the period September 1 to 25, 1985.

Expenditures for this work include:

Salaries, management fees, consulting	\$1,950.00
Helicopter support	495.00
Analytical	3,655.20
Grid preparation, sampling and surveying	2,725.00
Drafting	<u>600.00</u>
TOTAL:	\$8,825.20

And I make this solemn declaration conscientiously believing it
to be true and knowing that it is of the same force and effect as if made under
oath and by virtue of The Canada Evidence Act.

Declared before me at VANCOUVER)
in the Province of B.C. this)
14th day of November 1985.)

Carl G. Verley

John Heston
A Notary Public for B.C.

APPENDIX C
PERSONNEL

P E R S O N N E L

Mr. C. G. Verley
301 - 1867 West 3rd Avenue
Vancouver, B.C. V6J 1K9

Geologist

Mr. Morley Barker
5 Teak Avenue
Whitehorse, Y.T. Y1A 4W5

Surveyor

Mr. Simon Ridgeway
5 Teak Avenue
Whitehorse, Y.T. Y1A 4W5

Prospector

Mr. Tony Mrozinski
5 Teak Avenue
Whitehorse, Y.T. Y1A 4W5

Field Assistant

Mr. Andre Jobin
5 Teak Avenue
Whitehorse, Y.T. Y1A 4W5

Field Assistant

Mr. Jacques Jobin
5 Teak Avenue
Whitehorse, Y.T. Y1A 4W5

Field Assistant

Mr. Michel Langlois
5 Teak Avenue
Whitehorse, Y.T. Y1A 4W5

Field Assistant

APPENDIX D
WRITER'S CERTIFICATE

AMERLIN EXPLORATION SERVICES LTD.

422-470 Granville Street, Vancouver, B.C., Canada V6C 1V5

Phone (604) 689-1966

WRITER'S CERTIFICATE

I, Carl G. Verley of Vancouver, British Columbia hereby certify that:

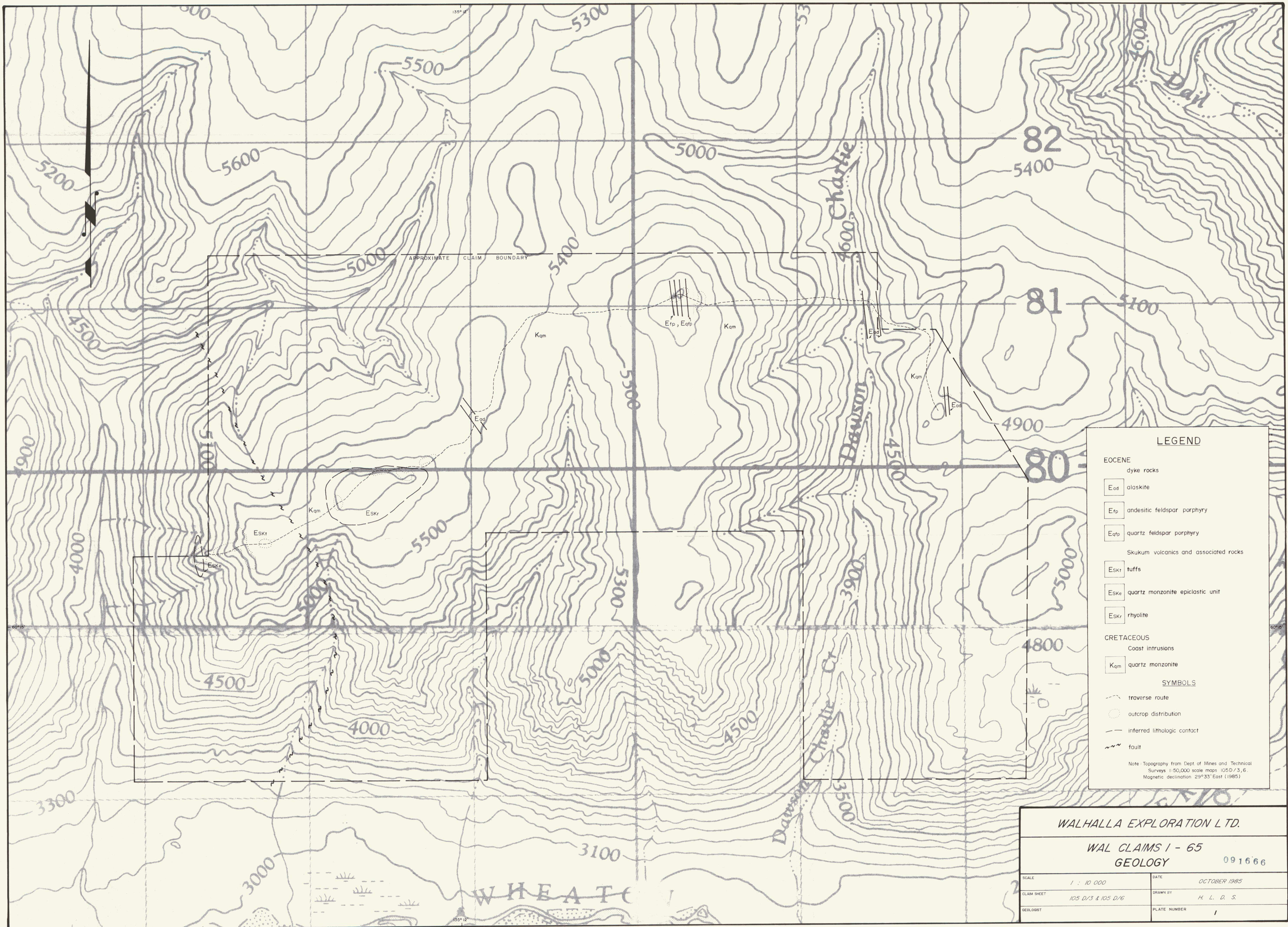
1. I am a geologist residing at 301 - 1867 West 3rd Avenue, Vancouver, B.C. and principal of Amerlin Exploration Services Ltd. 422 - 470 Granville Street, Vancouver, B.C. V6C 1V5.
2. I am a graduate of the University of British Columbia, B.Sc., in 1974, and have practised my profession since that time.
3. I am a Fellow of the Geological Association of Canada.
4. I am the author of this report which is based on work conducted by me on the WAL 1 to 65 mineral claims during the period September 1 to 25, 1985.

Amerlin Exploration Services Ltd.

Carl G. Verley.

Carl G. Verley, F.G.A.C.

November 15, 1985.
Vancouver, B.C.



LEGEND

EOCENE

- dyke rocks
- E_{ad} alaskite
- E_{fp} andesitic feldspar porphyry
- E_{qfp} quartz feldspar porphyry
- Skukum volcanics and associated rocks
- E_{skt} tuffs
- E_{ske} quartz monzonite epiclastic unit
- E_{skr} rhyolite

CRETACEOUS

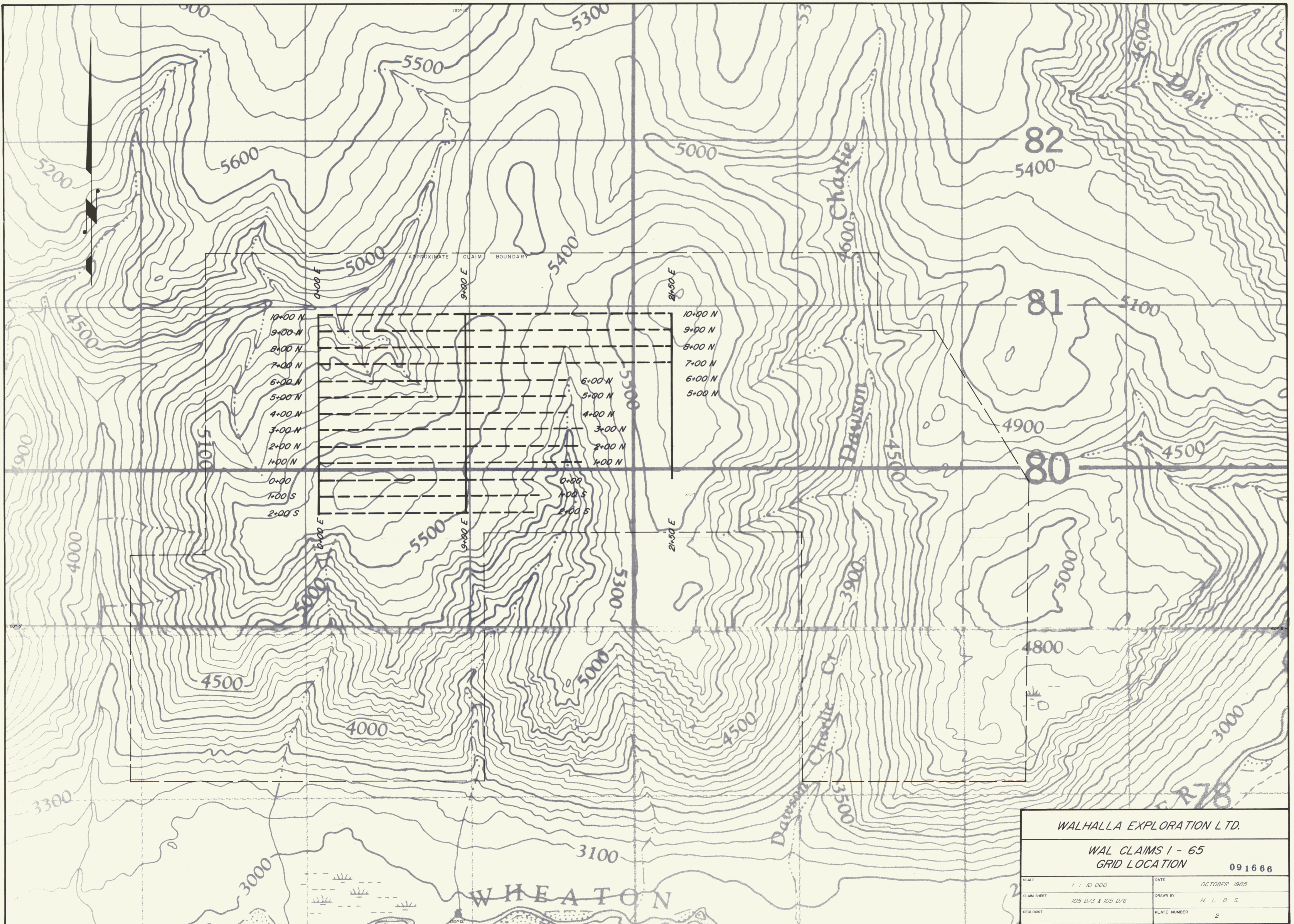
- Coast intrusions
- K_{am} quartz monzonite

SYMBOLS

- traverse route
- outcrop distribution
- inferred lithologic contact
- fault

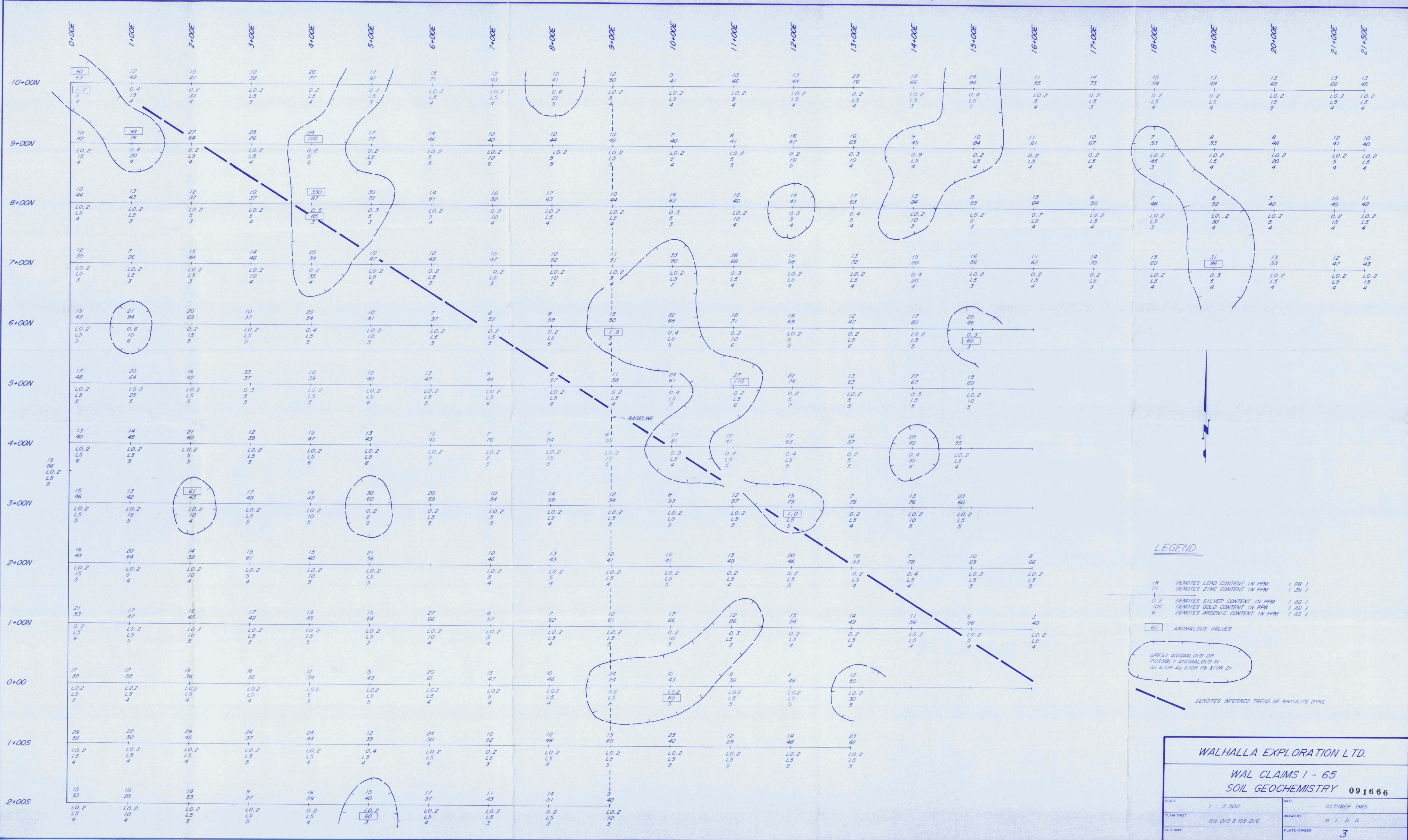
Note: Topography from Dept. of Mines and Technical Surveys 1:50,000 scale maps 105 D/3, 6. Magnetic declination 29° 33' East (1985)

WALHALLA EXPLORATION LTD.	
WAL CLAIMS 1 - 65	
GEOLOGY	
091666	
SCALE	1 : 10 000
DATE	OCTOBER 1985
CLAIM SHEET	105 D/3 & 105 D/6
DRAWN BY	H. L. D. S.
GEOLOGIST	PLATE NUMBER
	1



WALHALLA EXPLORATION LTD.	
WAL CLAIMS 1 - 65 GRID LOCATION	
SCALE	1 : 10 000
DATE	OCTOBER 1985
CLAIM SHEET	105 D/3 & 105 D/6
DRAWN BY	H. L. D. S.
GEOLOGIST	PLATE NUMBER
	2

CR 78



LEGEND

18 DENOTES LEAD CONTENT IN PPM (PB)
 71 DENOTES ZINC CONTENT IN PPM (ZN)
 0.2 DENOTES SILVER CONTENT IN PPM (AG)
 100 DENOTES GOLD CONTENT IN PPB (AU)
 6 DENOTES ARSENIC CONTENT IN PPM (AS)

65 ANOMALOUS VALUES

AREAS ANOMALOUS OR POSSIBLY ANOMALOUS IN Au &/OR Ag &/OR Pb &/OR Zn

DENOTES INFERRED TREND OF RHYOLITE DYKE

WALHALLA EXPLORATION LTD.	
WAL CLAIMS 1 - 65	
SOIL GEOCHEMISTRY 091666	
SCALE 1 : 2 500	DATE OCTOBER 1985
CLAIM SHEET 105 D/3 & 105 D/6	DRAWN BY H. L. D. S.
GEOLOGIST	PLATE NUMBER 3