83-#768 — #12386
09/85

Report on a Percussion Drill Program

on the

SOPHIA CLAIM

for 12,386

LAKEWOOD MINING CO. LTD.

Claim:	Sophia
	92 I 7/E
	50° 18' N. Lat - 120° 44' W. Long.
Owner	Lakewood Mining Co. Ltd.
and	Vancouver, B.C.
Operator:	
Consultants:	L. Sookochoff, P.Eng.
	311-409 Granville Street
	Vancouver, B.C., V6C 1T2
Date of Report:	December 7, 1983
Dates of Work:	September 13-22, 1983

TABLE OF CONTENTS

ILLUSTRATIONS

Assessment Report

on a

Percussion Drill Hole Program

on the

SOPHIA CLAIM

for

LAKEWOOD MINING CO. LTD.

INTRODUCTION

During the period September 13-22, 1983, a percussion drill program comprised of two percussion drill holes for 560 feet (170 meters) was completed on the Sophia claim.

The property is comprised of one claim of 20 units situated at the headwaters of Steffans Creek, three km northwest of Swakum Mountain which reaches an elevation of 1,850 meters. Elevation on the property ranges up to 1,750 meters with a local relief of 200 meters. Much of the ground is of subdued relief with flattish and swampy areas in addition to enveloping Sophia Lake.

PROPERTY

The property is comprised of one 20 unit claim block particulars are as follows:

Claim Name	Record No.	Expiry Date
Sophia	176	September 16, 1984*

* Pending approval of one years assessment work.

ACCESS

Access is via a paved and gravel highway to 20 km north of Merritt to where a branch road is taken to the west for nine km to the property.

HISTORY

The first of the Swakum Mountain deposits, within two miles east of the Sophia property, was originally discovered in 1916. The discovery and subsequent exploration on adjacent deposits followed with a shipment of 22 tons made in 1917 of ore averaging 4.6% copper from the Last Chance (Lucky Mike). Reported total production from these properties is 26 tons from the Lucky Mike which yielded two ounces of gold, 137 ounces of silver, 1,932 pounds of copper and 1,753 pounds of lead and 89 tons from the Thelma yielding one ounce of gold, 7,419 ounces of silver, 9,683 pounds of lead and 10,237 pounds of zinc. The Alameda reportedly produced three tons of ore yielding one ounce of gold, 52 ounces of silver and 576 pounds of lead.

The Last Chance was restaked as a scheelite prospect in 1942. Reported values are of .25% WO3 across an average width of 34 feet.

Portions of the Sophia property were previously known as the Sunshine, Lee and Lo claim groups which were worked by Vastlode Mining Co. Ltd. Mineralized shear zones within Nicola volcanic rocks were the focal point of interest.

In 1977, prior to the acquisition of the property by Lakewood Mining, an E.M. and magnetometer survey in addition to a preliminary geochemical survey was carried out over localized areas of the property.

In 1978 a localized I.P. survey and "587 feet" of diamond drilling in three holes was completed on the property.

In 1979 Lakewood carried out a six hole percussion drill hole program on the property. There was no work on the property from 1979 to the 1983 percussion drill hole program reported on herein.

GEOLOGY AND MINERALIZATION

The Nicola map-sheet 886 A shows the claim area to be underlain by the Nicola Group of rocks comprised of greenstone, volcanics and tuffs intercalated with minor limestone, argillite and conglomerates. The northerly trending Nicola rocks are bounded to the east and west by intrusives of granitic composition. An intrusive plug, not indicated on the map-sheet, outcrops at Rey Lake.

Regionally an asymmetrical anticline with the axis plunging to the south is indicated at the Swakum Mountain deposits. An aplite dyke and one outcrop of granitic rock was found near the Last Chance property.

Large scale northwesterly structures are indicated by the Hector Creek valley to the south and the Rey Creek valley to the north. Northerly and east-west structures are suggested topographically or by smaller scale structures in the area.

On the property and east of Sophia Lake a 175 meter wide limestone bed trends northerly and forms a ridge over 600 meter strike length. The gray course granular limestone generally contains numerous random and fracture oriented calcite stringers which average less than two m.m. Locally brecciated zones occur which contain angular fragments healed with calcite. Patchy red hematite, locally weathered increases in areas of heavier brecciation. From the northern ridge exposure, brecciation increases to an area adjacent to the south trench zone.

The south trench zone, approximately 30 meters west of the limestone exposes a 10 meter wide band of highly fractured argillites with less obvious greywackes and conglomerates. The argillite strikes at 168° and dips at 70° north.

An intrusive with euhedral feldspar crystals set in a matrix of seriate textured feldspathic ground mass outcrops in the center trench. Occasional sericite up to 10 m.m. long and secondary quartz eyes occur throughout the matrix. A light dusting of sericite on the feldspar is obvious.

Three trenches 500 meters to the nothwest of the south zone expose an eight meter wide heavily pyritized shear zone. The shear zone strikes @ 220°, dips @ 30 to 60 degrees south. Andesite porphyry in addition to a breccia predominate. Calcite and quartz occur as random stringers and cement the breccia fragments. Pyrite in addition to sphalerite, galena and chalcopyrite occurs in association with the calcite and quartz. A gray aphanitic micropegmatite occurs discordantly with the andesite porphyry and is weakly mineralized.

PERCUSSION DRILLING

The percussion drill program was initiated to test anomalous areas on the Sophia claim. The results of the drill program were as follows:

P 83-1 290 feet

The cuttings were analyzed for copper, silver and zinc at 10 foot intervals. The results did not indicate any anomalous sections, however the 130-140 foot section returned 1.0 ppm silver (in a background of .2 ppm) and 102 ppm zinc (in a background of 74 ppm).

P 83-2 270 feet

Values in copper and zinc were relatively standard throughout the hole except for anomalous zinc (500 ppm) from 10-20 and subanomalous copper (108 ppm) at 100-110. The silver values however were sporadically anomalous throughout the hole with an anomalous section from 10-50 (10.2, 4.6, 1.6, 2.6 ppm) and from 130 to 150 (2.2, 4.6 ppm).

In an examination of the drill cuttings which were difficult to analyze as course fragments were scarce, calcite and limonite were obvious at the 40-50 foot section which could indicate a cause for the anomalous (2.6 ppm) silver value.

CONCLUSIONS

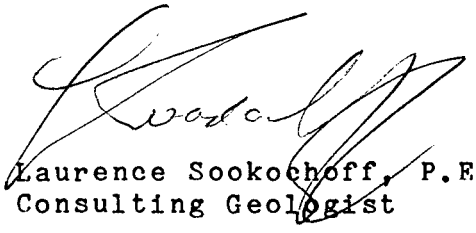
The percussion drill program did not indicate any significant mineralization. Localized anomalous sections were indicated, however the values are not considered significant.

Percussion drill hole 83-1 to the east of PDH 2 intersected much lower values than the 1978 PDH 2 indicating that the trend to mineralization is not to the east or southeast toward 83-2.

RECOMMENDATIONS

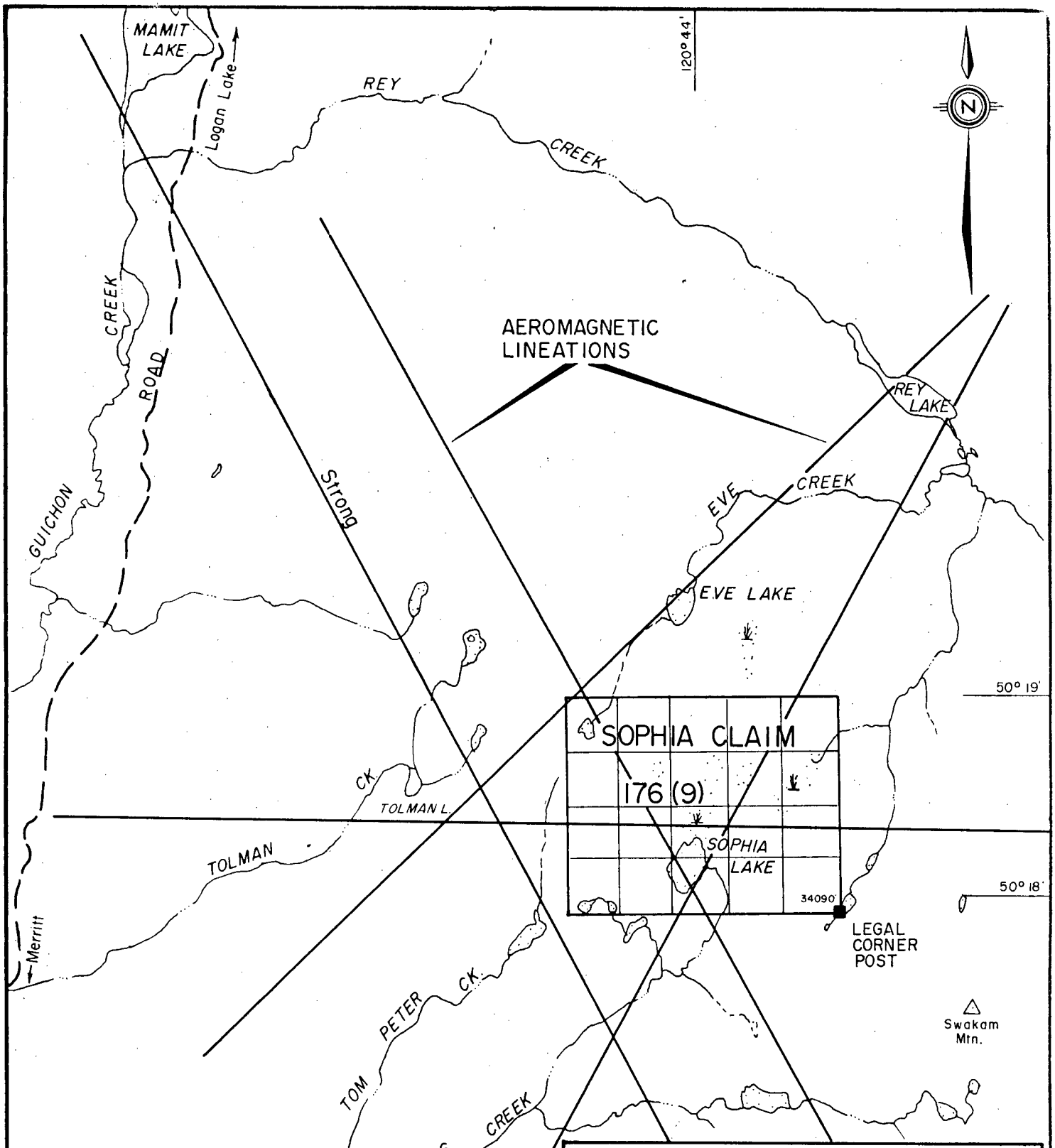
The anomalous area tested by the two 1983 drill holes does not warrant further work.

Respectfully submitted,



Laurence Sookochoff, P.Eng.
Consulting Geologist

December 7, 1983
Vancouver, B.C.



PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
LAURENCE SOOKOCHOFF

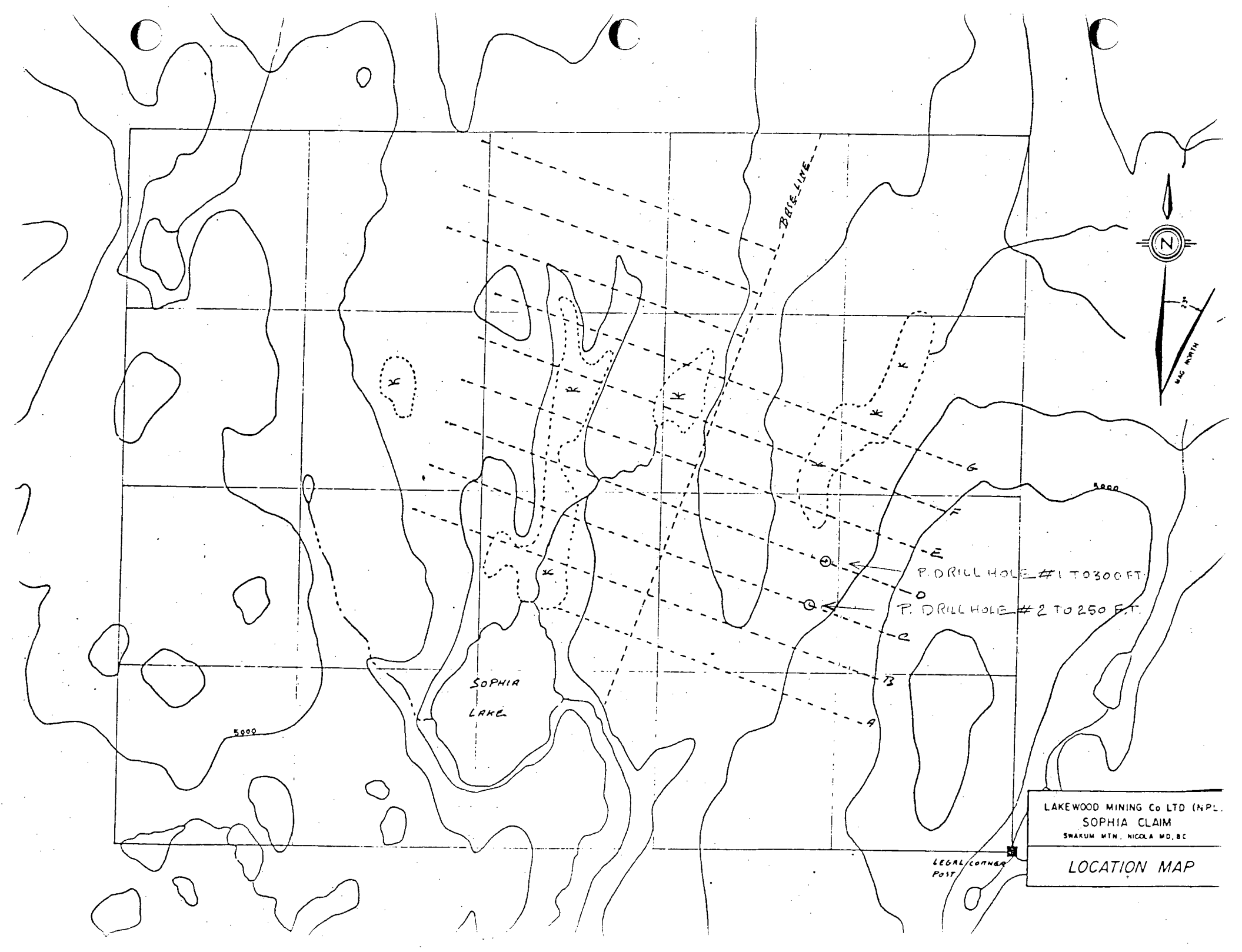
Aeromagnetic interpretation by D. Mark

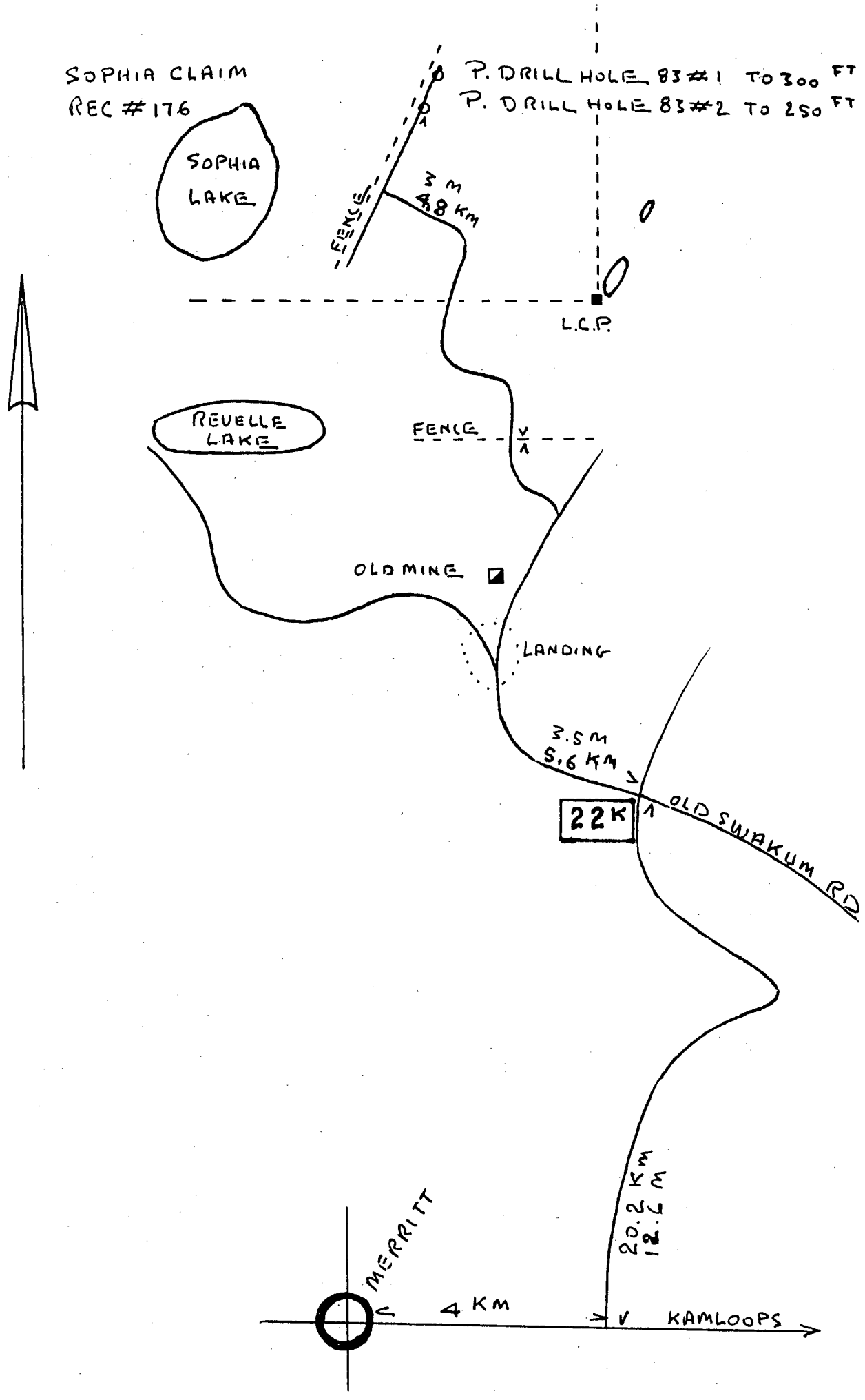
PAN AMERICAN CONSULTANTS

LAKEWOOD MINING Co. LTD. (N.P.L.)
SOPHIA CLAIM
SWAKUM MTN., NICOLA M.D., B.C.

LOCATION MAP

DRAWN BY:	JOB No.	DATE:	SCALE:	FIG. No.
Altair	78-45	AUG. 1978	1:50,000	1


BASE LINE
N
MAG NORTH
G
F
E
D
C
B
A
P. DRILL HOLE #1 TO 300 FT.
P. DRILL HOLE #2 TO 250 F.T.
SOPHIA
LAKE
5000
5000
LEGAL CORNER POST
LAKEWOOD MINING Co LTD (N.P.L.
SOPHIA CLAIM
SWAKUM MTN., NICOLA MD, B.C.
LOCATION MAP


SOPHIA CLAIM
REC #176
SOPHIA LAKE
P. DRILL HOLE 83#1 TO 300 FT
P. DRILL HOLE 83#2 TO 250 FT
FENCE
3 M
4.8 KM
L.C.P.
REVELLE LAKE
FENCE
OLD MINE
LANDING
3.5 M
5.6 KM
22K
OLD SWAKUM RD
MERRITT
4 KM
KAMLOOPS
20.2 KM
12.6 M

CERTIFICATE

I, Laurence Sookochoff, of the City of Vancouver, in the Province of British Columbia, do hereby certify:

That I am a Consulting Geologist with offices at 311-409 Granville Street, Vancouver, B.C., V6C 1T2

I further certify that:

1. I am a graduate of the University of British Columbia (1966) and hold a B.Sc. degree in Geology.
2. I have been practising my profession for the past seventeen years.
3. I am registered with the Association of Professional Engineers of British Columbia.
4. The information for the accompanying report is based on a personal examination of the property June 8, 1978, from pertinent government publications and from information supplied to me on the percussion drill program.
5. I have no direct, indirect or contingent interest in the property described herein or in the securities of Lakewood Mining Co. Ltd. (N.P.L.)

Laurence Sookochoff, P.Eng.
Consulting Geologist

December 7, 1983
Vancouver, B.C.

LAKEWOOD MINING CO. LTD.

Percussion Drilling Program

Certificate of Expense

The percussion drilling program on the Sophia claim performed from September 13, 1983 to September 22, 1983 was carried out to the value of the following:

Drilling	$4,910.27
Truck rental	200.00
Gas	82.00
Motel and meals	502.33
Assays	302.10
	$6,296.70

Rossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 83473 - 1

INVOICE NO.

DATE ANALYSED

PROJECT SOPHIA

TO: LAKEWOOD

No.	Sample	pH	Mo	Cu	Ag	Zn								No.
01	83-1-10-20			54	0.4	90								01
02	1-20-30			82	0.6	72								02
03	1-30-40			76	0.2	74								03
04	1-40-50			80	0.4	82								04
05	1-50-60			68	1.0	78								05
06	1-60-70			62	0.2	76								06
07	1-80-90	MISSING												07
08	1-90-100			64	0.2	76								08
09	1-100-110			62	0.4	70								09
10	83-1-110-120			68	0.4	76								10
11	1-120-130			70	0.4	74								11
12	1-130-40			86	1.0	102								12
13	1-140-150			72	0.4	80								13
14	1-150-160			70	0.2	76								14
15	1-160-170			72	0.2	70								15
16	1-170-180			68	0.2	72								16
17	1-180-190			70	0.4	72								17
18	1-190-200			78	0.2	74								18
19	1-210-220			76	0.2	70								19
20	1-220-230			74	0.2	74								20
21	STD E			76	0.2	150								21
22	83-1-230-240			70	0.2	74								22
23	1-240-250			74	0.2	76								23
24	1-250-260			74	0.2	78								24
25	1-260-270			68	0.2	76								25
26	1-270-280			72	0.2	74								26
27	1-280-290			70	0.4	74								27
28	STD E			82	0.2	140								28
29														29
30														30
31														31
32														32
33														33
34														34
35														35
36														36
37														37
38														38
39														39
40														40

VALUES IN PPM, UNLESS NOTED OTHERWISE.

Certified by _____

Kossbacher Laboratory Ltd.

GEOCHEMICAL ANALYSTS & ASSAYERS

2225 S. SPRINGER AVE.,
BURNABY, B. C.
CANADA
TELEPHONE: 299-6910

CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 83473-2

INVOICE NO.

DATE ANALYSED

PROJECT SOPHIA

TO: LAKEWOOD

No.	Sample	pH	Mo	Cu V	Ag	Zn								No.
01	83-2-10-20			74	10.2	500								01
02	2-20-30			48	4.6	82								02
03	2-30-40			44	1.6	68								03
04	2-40-50			62	2.6	82								04
05	2-50-60			52	0.6	76								05
06	2-60-70			54	0.2	78								06
07	2-70-80			52	0.2	74								07
08	2-80-90			54	0.8	76								08
09	2-90-100			70	0.2	80								09
10	83-2-100-110			108	1.4	82								10
11	2-110-120			98	1.0	82								11
12	2-120-130			86	0.6	86								12
13	2-130-140			82	2.2	96								13
14	2-140-150			78	4.6	96								14
15	2-150-160			78	0.4	90								15
16	2-160-170			76	0.6	88								16
17	2-170-180			70	0.2	84								17
18	2-180-190			76	0.2	86								18
19	2-190-200			80	0.2	88								19
20	STD E			78	0.2	146								20
21	83-2-200-210			76	0.2	84								21
22	2-210-220			92	0.2	80								22
23	2-220-230			76	0.2	86								23
24	2-230-240			84	0.2	88								24
25	2-240-250			86	0.2	88								25
26	2-260-270			56	0.8	74								26
27	STD E			78	0.2	146								27
28														28
29														29
30														30
31														31
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