

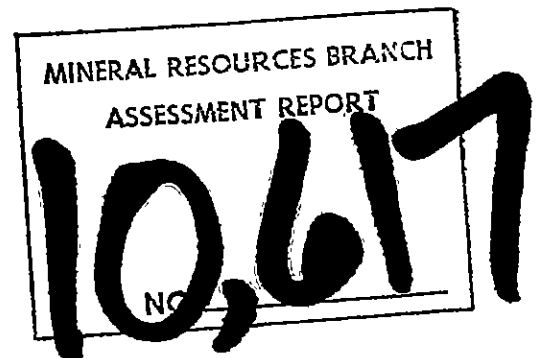
82-558-10617 b

ODESSA EXPLORATIONS INC.
1001 - 1166 ALBERNI STREET
VANCOUVER, BRITISH COLUMBIA

ASSESSMENT REPORT
on a
MAGNETOMETER SURVEY
on the
CORE 1 and 2 CLAIMS
SIMILKAMEEN MINING DIVISION
NTS 92H/10E
Lat. 49°37'N. Long. 120°31'W.

by
R.J. ENGLUND, B.Sc.
STRATO GEOLOGICAL ENGINEERING LTD.
103 - 709 DUNSMUIR STREET
VANCOUVER, BRITISH COLUMBIA

July 30, 1982





STRATO GEOLOGICAL ENGINEERING LTD.
103-709 DUNSMUIR STREET
VANCOUVER, BRITISH COLUMBIA
V6C 1M9

TELEPHONE (604) 687-4610

MAGNETOMETER SURVEY

CORE 1 and CORE 2 CLAIMS

SUMMARY

A recently completed total field magnetometer survey over the northeastern areas of the Core 1 and Core 2 claims shows variable magnetic relief generally indicative of the Nicola Volcanic unit. An easterly trending fault and/or geological contact is indicated between Lines 6S and 7S. This area and the several indicated magnetic high zones warrant follow-up exploration.

A geochemical soil sampling program is recommended to locate other areas of interest for further exploration work.

Respectfully submitted,
Strato Geological Engineering Ltd.

Ralph J. Englund, B.Sc.
Geophysicist

July 30, 1982

TABLE OF CONTENTS

	<u>Page</u>
Summary	(i)
Introduction	1
Location, Access, Topography	1
Claims	3
General Geology	3
Instrumentation & Survey Procedure	6
The Magnetic Map	7
Conclusions & Recommendations	7
References	9
Time-Cost Distribution	10
Certificate	11

LIST OF FIGURES

Figure 1	Location Map	2
Figure 2	Claim Map	4
Figure 3	Topography Map	5
Figure 4	Magnetic Data Map	Leaflet
Figure 5	Magnetic Contour Map	"

INTRODUCTION

Pursuant to a request by the directors of Odessa Explorations Inc. a magnetometer survey was carried out over a portion of the Core 1 and Core 2 claims during May and June, 1982.

The intent of the survey work was to delineate any geological contacts, structure, and/or faults within the survey area. The results of 15 kilometres of magnetic survey data are presented in this report.

LOCATION, ACCESS, TOPOGRAPHY

The Core 1 & 2 claim group is located some 18 kilometres north of Princeton, B.C. Access to these claims is from the Princeton-Merrit Highway by either the Mizzula Lake road along Summers Creek, or by a forestry turning east off the Princeton Merrit Highway, about 1/2 kilometre north of the Mizzula Lake turnoff.

The Mizzula Lake road is an all weather road, crossing the eastern side of the Core 1 claim. The northern boundary of the claim crosses this road about 12-1/2 kilometres from the Princeton-Merrit highway turnoff. Road access to the western portions of the claims requires the use of a four-wheel drive vehicle. A number of branch logging roads provide good access to much of the western claim areas.

FIGURE 1 LOCATION MAP

Scale 1" = 30 miles
July, 1982

EDMONTON

JASPER

VALEMOUNT

WILLIAMS LAKE

BLUE RIVER

CLEARWATER

REVELSTOKE

ASHCROFT

KAMLOOPS

SALMON ARM

SPENCES BRIDGE

HIGHLAND VALLEY

AFTON

CRAIGMONT MINE

LYTTON

MERRITT

VERNON

LUMBY

FAUQUIER

CORE CLAIMS

97

KELOWNA

BRENDA MINE

PEACHLAND

VANCOUVER

HOPE

PRINCETON

PENTICTON

KEREMEOS

OLIVER

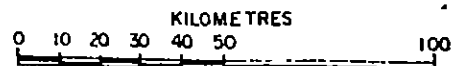
ROCK CREEK

OSOYOOS

GREENWOOD

GRAND FORKS

BRITISH COLUMBIA
WASHINGTON USA



Elevations vary from less than 900 metres along Summers Creek to over 1300 metres above sea level in the north-western areas of the claim group. Topographic relief, at high elevations in the western claim areas, is considered low to moderate. However, there is considerable precipitous terrain where Summers Creek traverses near south-southeasterly through the eastern Core 1 claim area making access from the Mizzula Lake road quite difficult.

CLAIMS

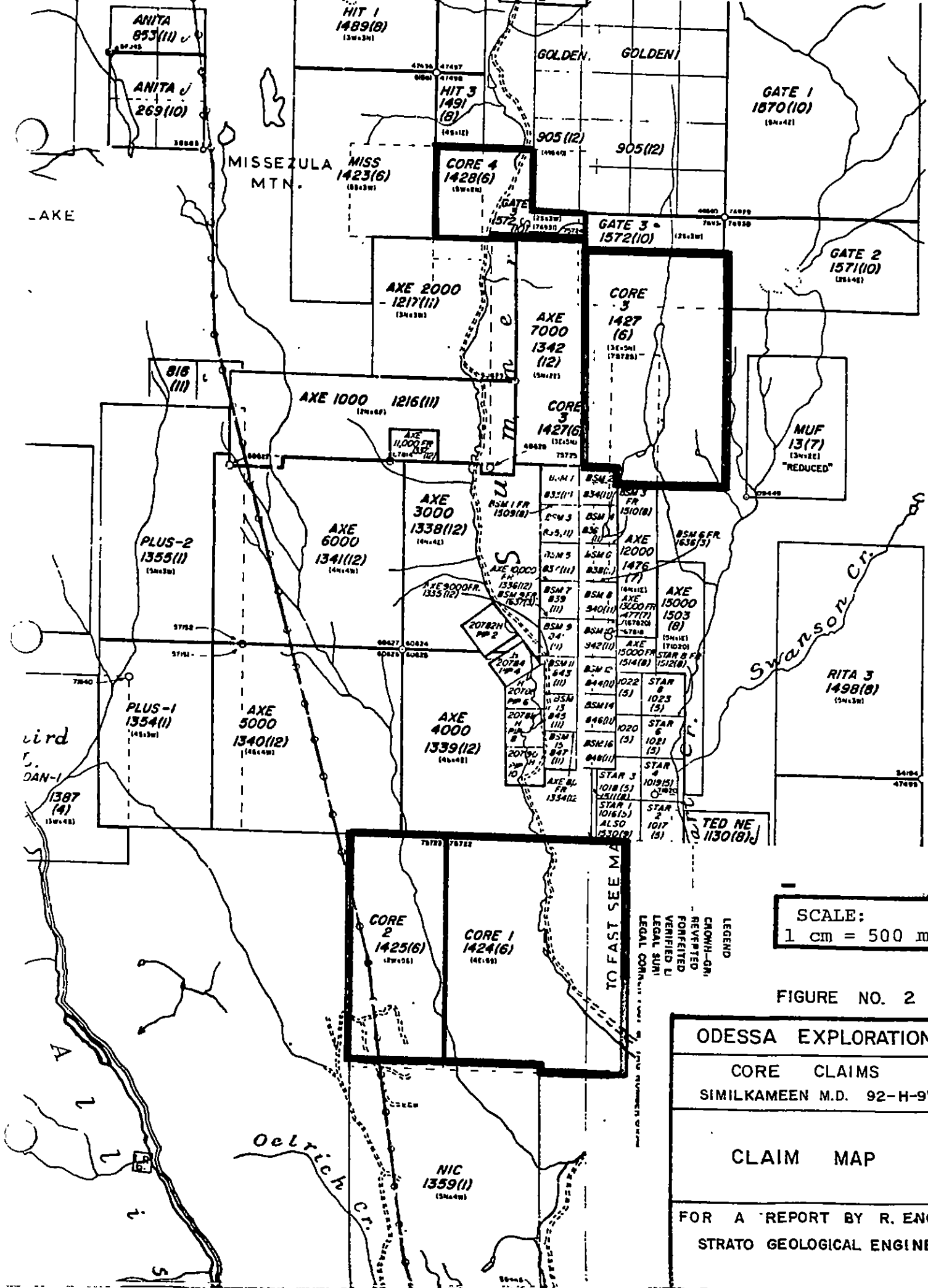
The Core 1 and Core 2 mineral claims are located in the Similkameen Mining Division, some 18 kilometres north of Princeton, B.C., and are recorded as follows:

<u>Claim</u>	<u>Record No.</u>	<u>Units</u>	<u>Expiry Date</u>
Core 1	1424(6)	20	June 9, 1982
Core 2	1425(6)	10	June 9, 1982

The claims are shown on the B.C. Department of Mines and Petroleum Resources Mineral Claim Map 92H/10E(M). Assessment work has been filed, this report being part of the work, to keep the claim in good standing until June 1983.

GENERAL GEOLOGY

The eastern half of the property, as mapped by H.M.A. Rice, is shown to be underlain by the Coast Intrusions



SCALE:
1 cm = 500 m

FIGURE NO. 2

ODessa EXPLORATIONS LTD

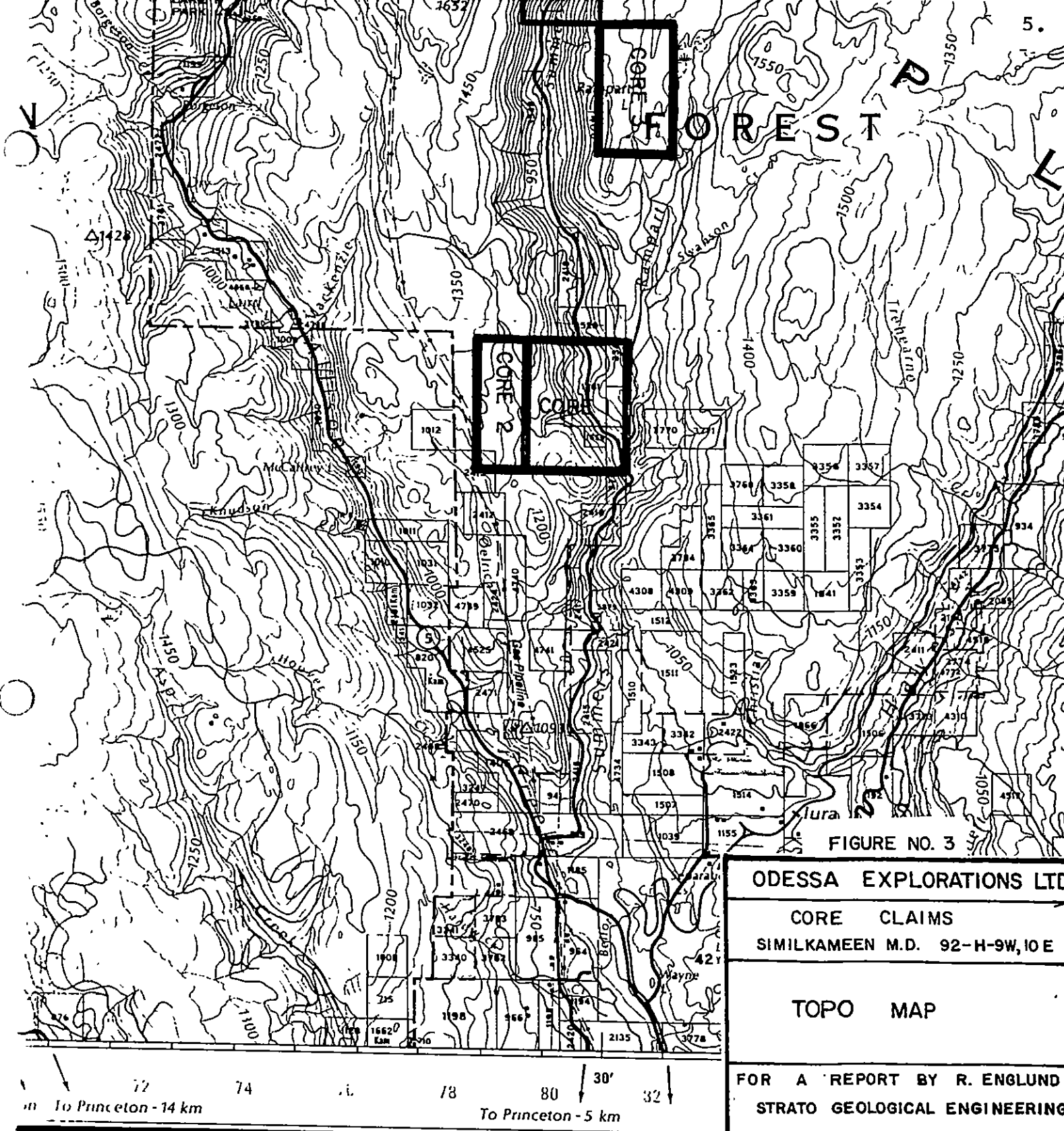
CORE CLAIMS
SIMILKAMEEN M.D. 92-H-9W, 10 E

CLAIM MAP

FOR A REPORT BY R. ENGLUND
STRATO GEOLOGICAL ENGINEERING

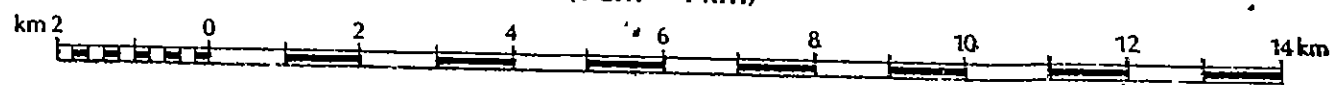
TO FAST SEE MA

LEGEND
CROWN-GR
- REVERTED
FORFEITED
VERIFIED U
LEGAL CORN



TULAMEEN

Scale 1:100 000
(1 cm = 1 km)



consisting of light coloured granodiorite and quartz diorite. The western claim area is mapped as the Nicola group of argillite, limestone, chlorite and sericite schist.

The northerly trending Summers Fault is projected as passing through the west-central claim area and a known mineral showing, consisting of chalcopyrite, pyrite, sphalerite, and galena in broken, siliceous gangue, occurs near the southeast corner of the property at Dry Creek.

INSTRUMENTATION & SURVEY PROCEDURES

A magnetic survey was carried out over a 15 kilometre grid in the northeastern claim area. East-west survey lines were compassed, chained, and flagged at 100 metre line separation and 50 metre station intervals from a north-south baseline established from the claim L.C.P.

The survey was conducted with a Scintrex MP2 Portable Proton Precision Magnetometer measuring the total magnetic field to an accuracy of better than ± 5 gammas. All survey data was tied to an established base station and all lines were "looped" at frequent intervals to allow for correction of diurnal variations in accordance with standard practice. The methods are well known and fully described in the literature.

THE MAGNETIC MAP

Magnetic relief in the survey area is quite variable and generally reflects the rather "noisy" results observed in other areas underlain by the Nicola Volcanic unit. No contact between the Nicola Group and the Coast Intrusive unit is clearly visible and a weak, northerly trending, magnetic gradient is observable within the survey area (Figure 5).

A possible east-west fault and/or geological contact, extending from an easterly flowing tributary creek is projected between lines 6S and 7S from about 1W to 5E. The several magnetic highs observed within the survey area also warrant further investigations to explain their cause.

CONCLUSIONS AND RECOMMENDATIONS

The magnetic results, although inconclusive, indicate the survey area as generally being underlain by the Nicola Volcanic rock unit. A possible east-west trending fault or geological contact is indicated near Line 7S from about 1W through 5E. This area, along with the several magnetic high zones warrant follow-up survey work to explain the magnetic results.

A geochemical soil sampling program is recommended to further establish areas of interest for further exploration.

Respectfully submitted,
Strato Geological Engineering Ltd.



Ralph J. Englund, B.Sc.

Geophysicist.

July 30, 1982

REFERENCES

- (1) Geological Survey of Canada, Memoir 243, Geology and Mineral Deposits of the Princeton Map Area, British Columbia, by H.M.A. Rice, 1960.

TIME-COST DISTRIBUTION

The magnetic survey on the Core 1 and Core 2 claims was conducted by Strato Geological Engineering Ltd. during the period May 27 to June 2, 1982 inclusive. A listing of personnel and distribution of costs are as follows:

Personnel

S. Nowak, B.Com.	Project Supervisor and Geophysical Operator
J. Gibson	Field Assistant

Cost Distribution

Labour	\$ 1,750.00
Room & Board	630.00
Transportation	490.00
Instrument Rental	210.00
Drafting & Miscellaneous	450.54
Report	<u>1,000.00</u>
Total	\$ 4,530.54



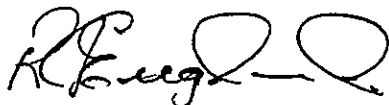
Strato Geological Engineering Ltd.

CERTIFICATE OF QUALIFICATIONS

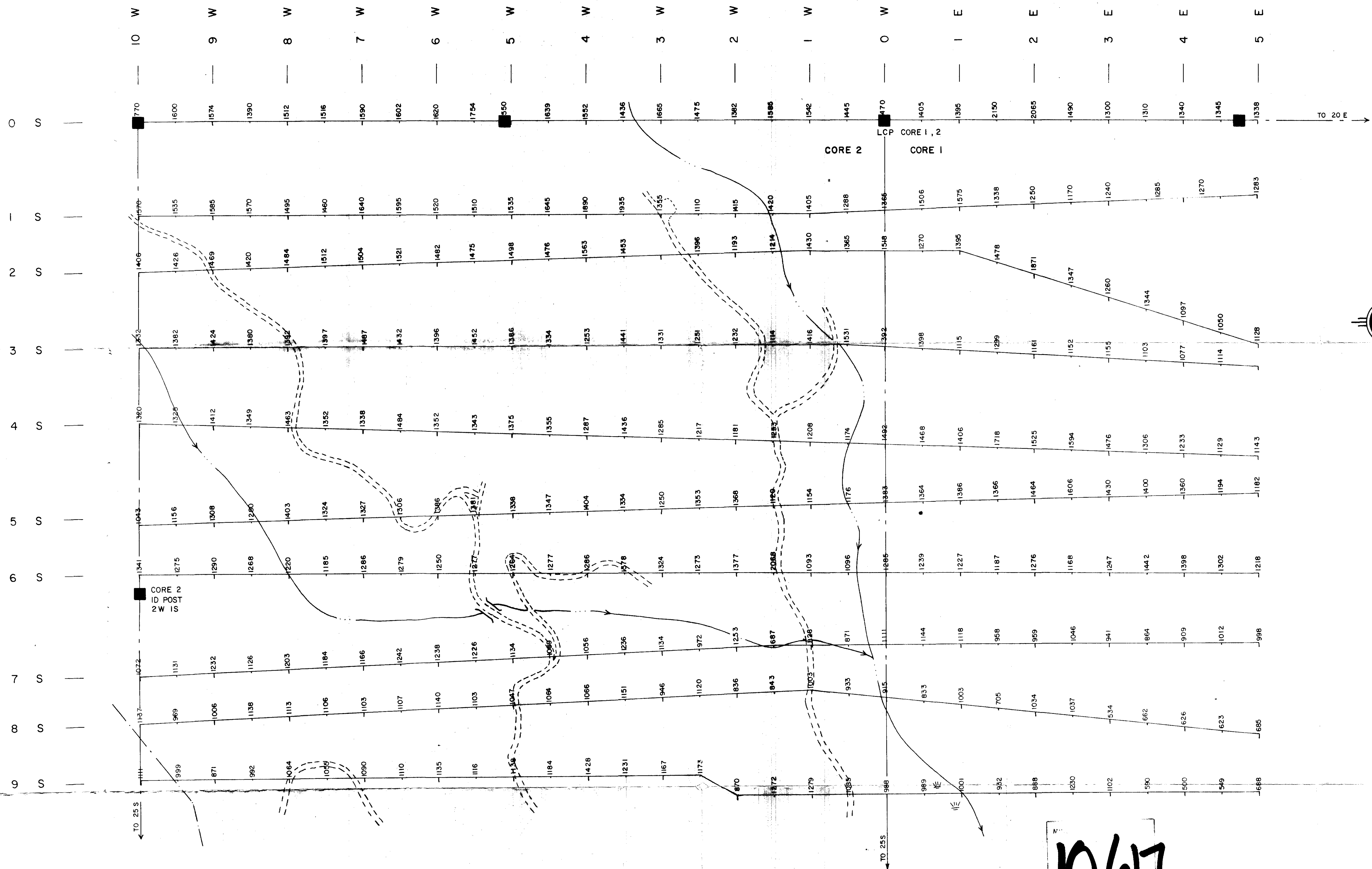
I, Ralph J. Englund, do hereby certify that:

- (1) I am a practising geophysicist with offices at 103 - 709 Dunsmuir Street, Vancouver, B.C., Canada, V6C 1M9.
- (2) I am a graduate of U.B.C. where I obtained my B.Sc., (Physics) in 1971.
- (3) I am a member in good standing of the following professional organization:
 - (a) B.C. GEOPHYSICAL SOCIETY.
- (4) I have been engaged in the study, teaching, and practice of exploration geophysics continuously for 9 years. I have worked as a geophysical consultant on numerous projects in Western North America since 1972.
- (5) The Geophysical field work and the interpretation of the results in this report were done under my direct supervision.
- (6) I have no direct, indirect or contingent interest in the securities of Odessa Explorations Inc., or the Core 1 & Core 2 mineral claims, nor do I expect to receive any such interest.

Dated in Vancouver, B.C., this 30th day of July, 1982.



Ralph J. Englund, B.Sc.,
Geophysicist

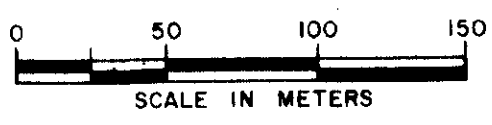


10,617

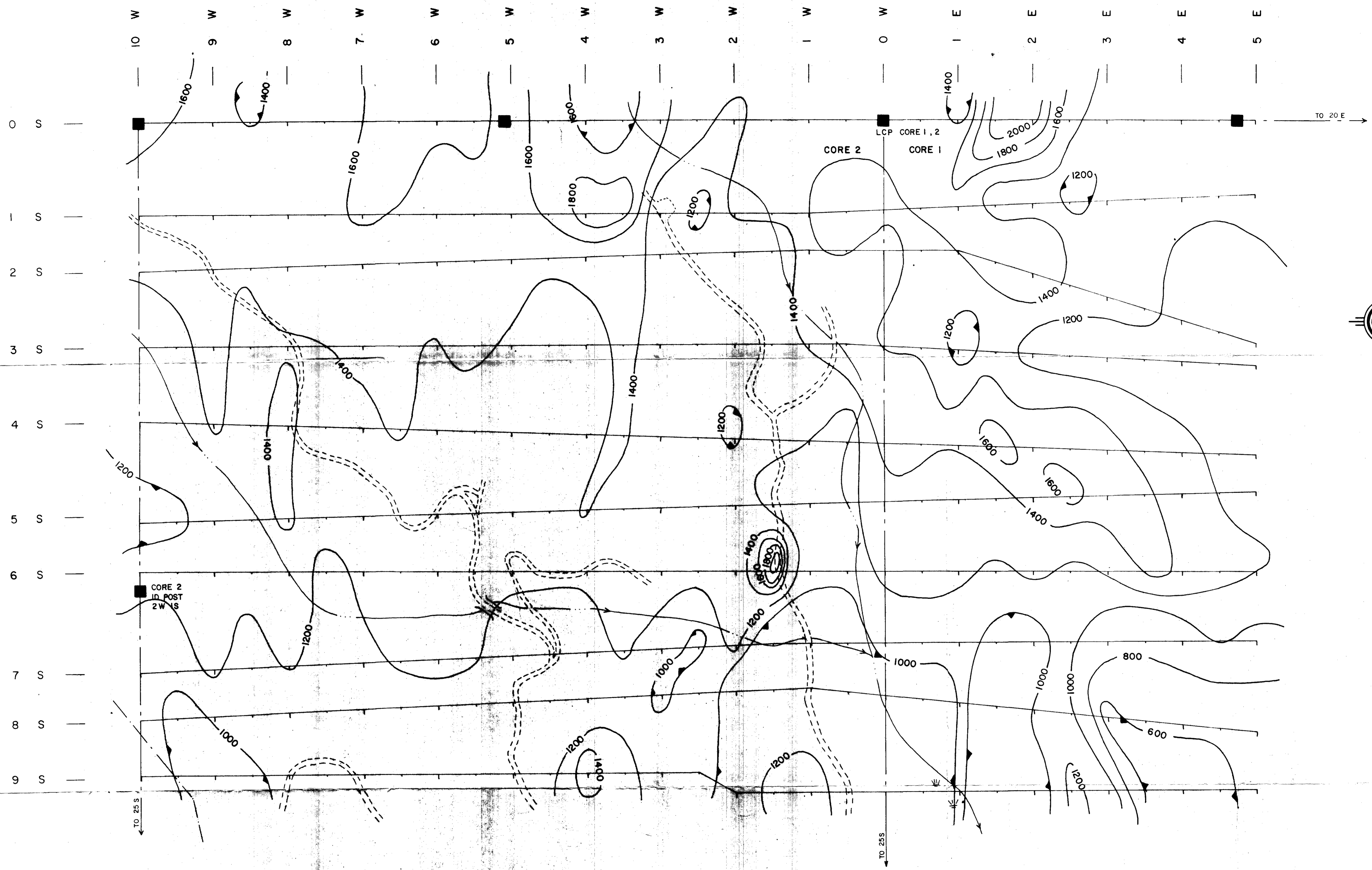
LEGEND

- ROAD
- STREAM
- POWER LINE
- ID POST
- - - CLAIM LINE

NOTE: INSTRUMENT - MP-2 PROTON PRECESSION MAGNETOMETER
 TOTAL MAGNETIC FIELD MEASUREMENT
 MAGNETIC BASE VALUE - 56000 GAMMAS

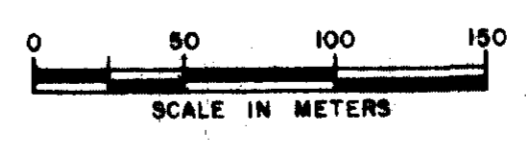


ODESSA EXPLORATIONS LTD. VANCOUVER B.C.	
CORE 1 & 2 CLAIMS SIMILKAMEEN M.D. NTS 92-H-9W, 10E	
MAGNETOMETER SURVEY DATA MAP	
TO ACCOMPANY A REPORT BY R.J. ENGLUND	
FIGURE NO 4	DATED: JULY, 1982



- LEGEND**
- ROAD
 - STREAM
 - POWER LINE
 - ID. POST
 - - - CLAIM LINE

NOTE: INSTRUMENT - MP-2 PROTON PRESSION MAGNETOMETER
 TOTAL MAGNETIC FIELD MEASUREMENT
 MAGNETIC BASE VALUE - 56000 GAMMAS



MINERAL RECONSTRUCTION
 ASSESSMENT UNIT
10,617

ODESSA EXPLORATIONS LTD. VANCOUVER B.C.	
CORE 1 & 2 CLAIMS SIMILKAMEEN M.D. NTS 92-H-9W, 10E	
MAGNETOMETER SURVEY TOTAL FIELD CONTOUR MAP	
TO ACCOMPANY A REPORT BY R.J. ENGLUND	
FIGURE NO. 5	DATED: JULY, 1982

