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Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. 2612 MAP

REPORT

ON A GEOCHEMICAL AND GEOLOGICAL SURVEY
OVER PART OF

THE

MILL CREEK ZONE
ON PART OF CLAIM P14 AND BEA 59
NEW WESTMINSTER MINING DIVISION
HOPE, BRITISH COLUMBIA

FOR

KELSO EXPLORATIONS LTD (N.P.L.)
470 GRANVILLE STREET
VANCOUVER, B.C.

BY

Donald W. Tully

June 12, 1970

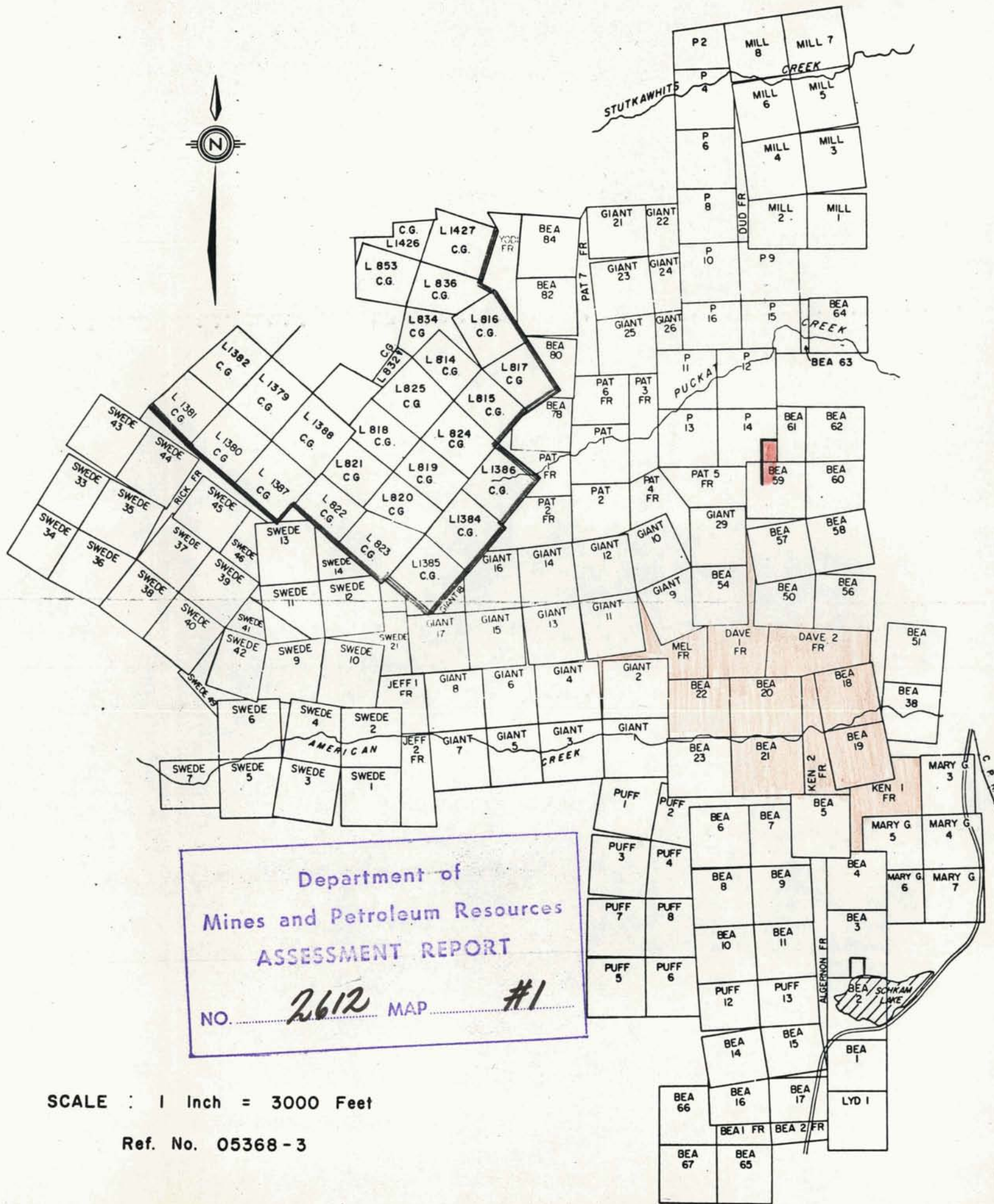
West Vancouver, B.C.

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY AND CONCLUSIONS	1
INTRODUCTION	1
LOCATION, ACCESS AND TOPOGRAPHY	1
WORK PERFORMED - TRENCHING	2
- GEOLOGY & MINERALIZATION	2
- GEOCHEMICAL	2
RECOMMENDATIONS	3
ASSAY CERTIFICATES	
CERTIFICATE	

MAPS

#1 PROPERTY CLAIM MAP	(opposite page 1)
#2 GEOLOGY AND GEOCHEMICAL SURVEY 1" = 400'	(in pocket)



SCALE : 1 Inch = 3000 Feet

Ref. No. 05368-3

SUMMARY AND CONCLUSIONS

600 lineal feet of bulldozer trenching and 13 geochemical samples on the Mill Creek zone gave no encouragement.

Extension of the present trench a further 600 lineal feet to the south at a higher elevation is recommended to cover the geochemical values in both copper and nickel obtained in the reconnaissance survey along the main logging road below in the autumn of 1969 on mining claim P14.

A 1000 foot trench is also proposed from the southward bend in the main logging road on claim P14 towards the southeast to explore the intervening area.

The proposed trenching is shown on the accompanying plan scale 1" = 400'.

Cost is estimated at \$750.00 including mapping, geochemical sampling and supervision.

INTRODUCTION

This report is supplementary to a report dated December 30, 1969, on a general geological and geochemical survey of the Kelso property at Hope, British Columbia, in the autumn of 1969.

Exploration work during the spring of 1970 is reported.

LOCATION, ACCESS AND TOPOGRAPHY

The Mill Creek zone is located immediately north of Mill Lake on claims Bea 59 and P 14 in the eastern part of the property. Good logging roads provide access from the Trans - Canada highway some five miles to the east.

The zone is at elevation 1500 - 2000 feet above sea - level.

WORK PERFORMED

Trenching

600 lineal feet of bulldozer trenching was done by G. F. Logging Co. Ltd during May, 1970 above the main logging road at Mill Lake.

The main zone at Mill Creek was not intersected with this work.

Geology and Mineralization

Argillite, graphitic schist, buff colored schist and rusty oxidized brecciated rock was exposed in the present trenching programme.

The rocks are highly sheared in several directions suggestive of a close proximity to a major fault zone along Mill Creek. This fault zone may join up with the same north-south regional fault referred to in the southern part of the property at the Schkam Lake showing.

Abundant quartz - calcite veining is evident in the brecciated rocks but no mineralization other than sparse disseminated pyrite was recognized in hand specimens.

Geochemical

13 geochemical soil samples were taken from the "B" soil horizon and assayed for copper and nickel by Crest Laboratories Ltd, 1068 Homer Street, Vancouver, by the atomic absorption method.

No significant results were obtained in either copper or nickel.

RECOMMENDATIONS

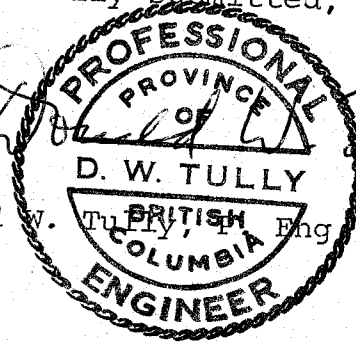
A further 1600 lineal feet of bulldozer trenching, geological mapping and geochemical soil sampling is recommended to search for copper and nickel values. If results are obtained, a magnetometer survey could be done.

The cost is estimated at \$750.00.

Respectfully submitted,



Donald W. Tully, Eng



CREST LABORATORIES (B.C.) LTD.B.C. REGISTERED ASSAYERS
INDUSTRIAL and RESEARCH CHEMISTS1068 HOMER STREET
VANCOUVER 3, B.C.
June 8, 1970Mr. D.J. Tully, P. Eng.
102 - 2222 - Bellevue Avenue
WEST VANCOUVER, B.C.Lot No. 216 G: Geochemical Analysis for Copper and Nickel:Mesh Size: -80
Analytical Method: Atomic Absorption
Digestion Method: HClO₄ - HNO₃

Sample Number:	Copper ppm	Nickel ppm	Sample Number:	Copper ppm	Nickel ppm
700	90	85	723	120	210
701	105	110	724	170	175
702	115	95	725	390	415
703	105	100	726	320	580
704	120	120	727	95	135
705	135	120	728	70	110
706	115	105	729	165	295
707	140	120	730	20	25
708	80	175	731	18	25
709	85	120	732	65	135
710	75	100	733	100	130
711	50	75	734	165	215
712	45	70	735	125	225
713	60	70	736	270	260
714	45	65	737	500	570
715	205	95	738	245	310
716	340	130	739	385	280
717	110	220	740	20	65
718	145	450	741	140	230
719	70	265	742	70	130
720	70	155	743	80	145
721	315	405	744	70	185
722	115	170	745	50	145

WILL
MAKE
CLAIMSSWEDE
CLAIMS

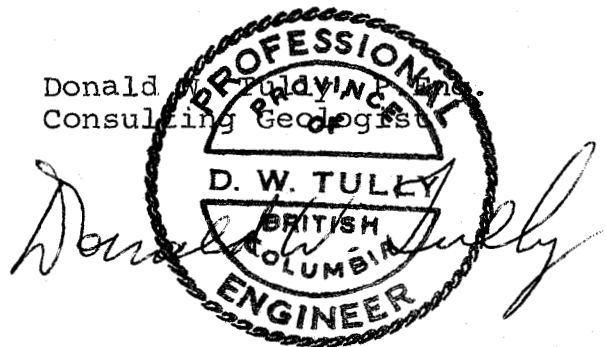
CERTIFICATE

I, Donald William Tully, do hereby certify, that,

1. I am a Consulting Geologist and Professional Engineer with offices at Suite 102, 2222 Bellevue Avenue, West Vancouver, B. C.
2. I am a graduate of McGill University, 1943, with a Bachelor of Science Degree.
3. I am a registered Professional Engineer in the Provinces of Ontario and British Columbia.
4. I have practiced my profession for twenty-five years.
5. I have no direct, indirect or contingent interest in the claims held by Kelso Explorations Ltd. (N.P.L.) or the securities of Kelso Explorations Ltd. (N.P.L.) nor do I intend to receive any interest.
6. This report dated June 12, 1970, is based on an examination on the ground made on April 13 and June 2, 1970. The work was performed under my direct supervision in the field during March, April, May and June, 1970.

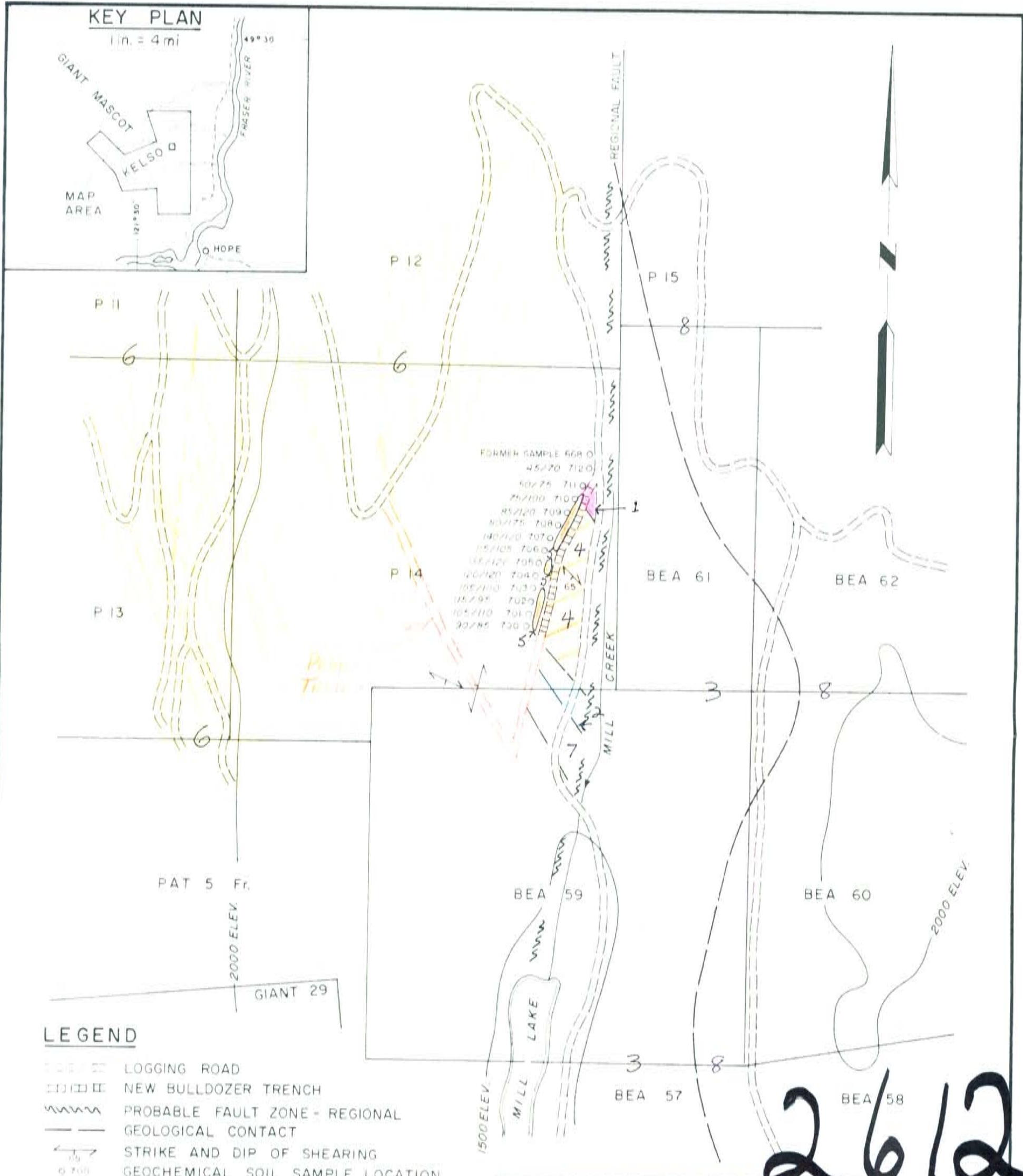
DATED at West Vancouver, British Columbia, this
12th day of June, 1970

Donald W. Tully
Consulting Geologist



KEY PLAN

1 in. = 4 mi



LEGEND

- LOGGING ROAD
- ▤ NEW BULLDOZER TRENCH
- ~ PROBABLE FAULT ZONE - REGIONAL
- GEOLOGICAL CONTACT
- ↔ STRIKE AND DIP OF SHEARING
- GEOCHEMICAL SOIL SAMPLE LOCATION
- 90/785 COPPER IN p.p.m. / NICKEL IN p.p.m.

- 8 [745] GRANITE
- 7 [752] PERIDOTITE (?)
- 6 [736] QUARTZ - BIOTITE - SERICITE GARNET SCHIST
- 5 [745 1/2] ARGILLITE
- 4 [737] RUSTY BRECCIATED ZONE
- 3 [746] CONGLOMERATE
- 2 [740 1/2] LIMESTONE
- 1 [743 1/2] BUFF COLORED SCHIST



2612

HOPE, B.C.

KELSO EXPLORATIONS LTD. (N.P.L.)

**GEOLOGY AND
GEOCHEMICAL SURVEY
MILL CREEK ZONE**

MINING CLAIM P 14 *Donald W. Tully P. Eng.*

SCALE: 1" = 400' JUNE, 1970
DONALD W. TULLY P. Eng.