

DON TULLY ENGINEERING LTD.  
SUITE 102 - 2222 BELLEVUE AVENUE  
WEST VANCOUVER, BRITISH COLUMBIA  
V7V 1C7

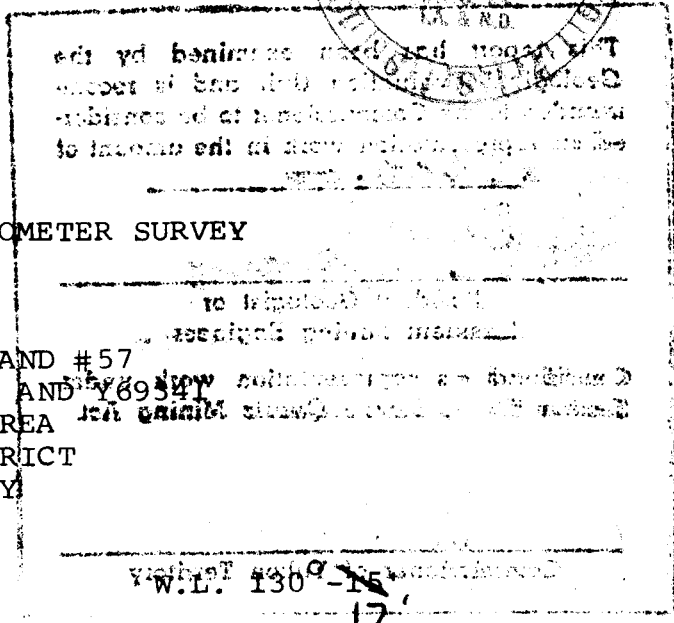


REPORT ON AN

ELECTROMAGNETIC AND MAGNETOMETER SURVEY

OVER PART OF

SLATE CLAIMS #35-38 AND #57  
GRANT NOS. Y69319-69322 AND Y69341  
MacMILLAN PASS AREA  
MAYO MINING DISTRICT  
YUKON TERRITORY  
CANADA



N.L. 63<sup>0</sup>-16'

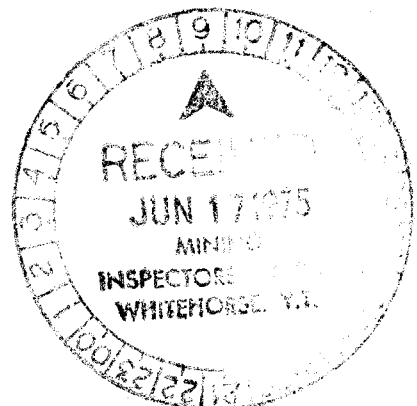
FOR

REGENCY RESOURCES LTD.  
534 - 789 WEST PENDER STREET  
VANCOUVER, BRITISH COLUMBIA



BY

DONALD W. TULLY, P.ENG.



MAY 23, 1975

WEST VANCOUVER, B.C.

This report has been examined by the Geological Evaluation Unit and is recommended to the Commissioner to be considered as representation work in the amount of \$6400.00

6400<sup>00</sup>

*J.R. Craig*

~~Resident Geologist or  
Resident Mining Engineer~~

Considered as representation work under Section 53 (2) Yukon Quartz Mining Act.

*B.R. Baxter*

B. R. BAXTER  
~~Supervising Mining Recorder~~

*[Signature]*  
Commissioner of Yukon Territory



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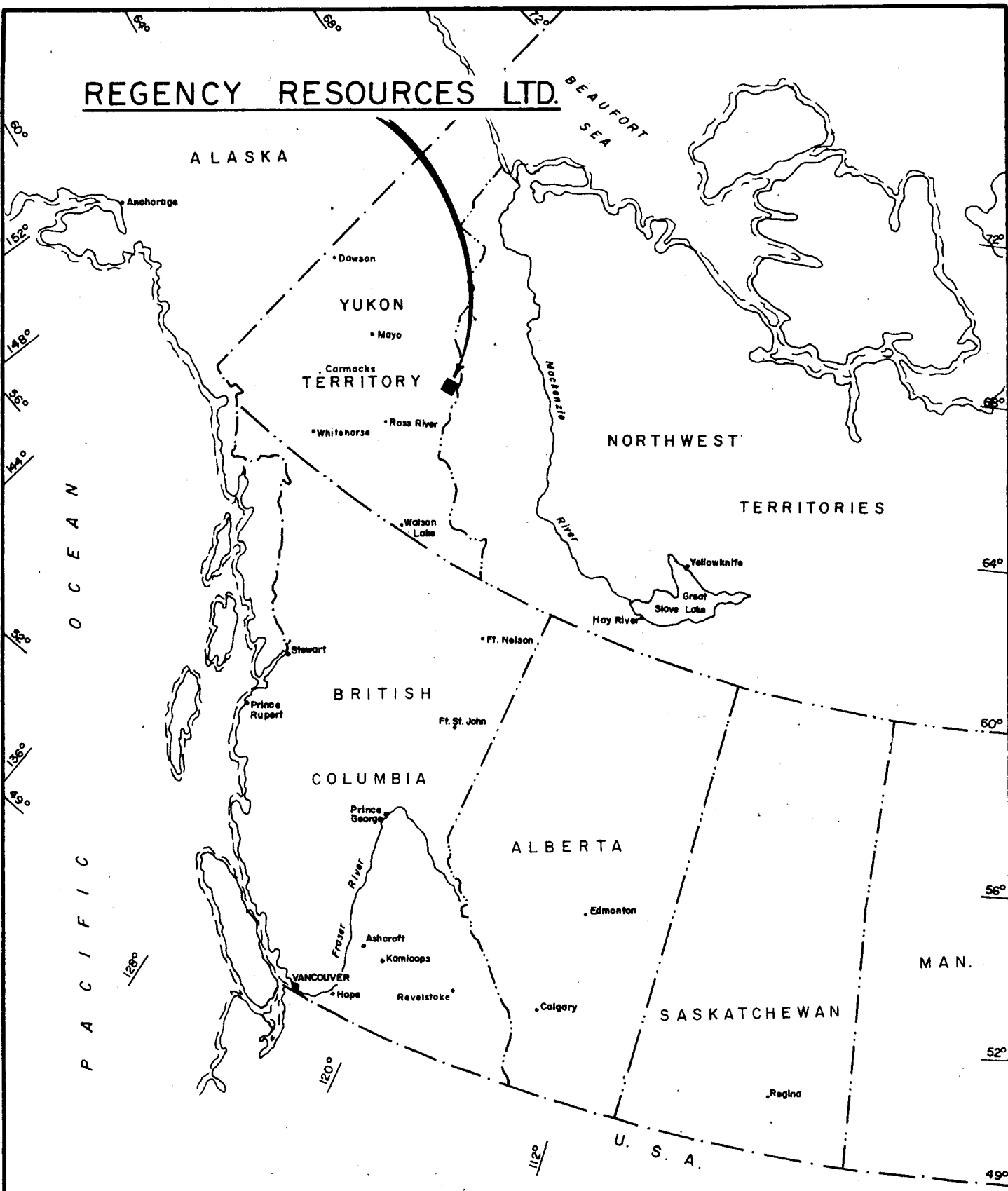
APPENDIX

TIME - COST DISTRUBUTION.....	End of Report
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MAPS

PROPERTY LOCATION MAP.....	Frontispiece
CLAIM MAP (Scale 1" = ½ mile).....	Following Page 2
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REGENCY RESOURCES LTD.



PROPERTY LOCATION MAP

*Donald W. Tully*

SUMMARY AND CONCLUSIONS

The SLATE #1-64 group of mineral claims is situated on the projected westward strike of the major Amax tungsten deposit situated about two miles to the east on the Yukon-Northwest Territories boundary near MacMillan Pass on the Canol Road.

A preliminary magnetometer survey in November, 1973 revealed a series of magnetic "low" areas following a north-south trend in an inter-montane valley from SLATE #58 at the south end of the property through SLATE #8 in the north part of the claim group. A selected area of these magnetic "lows" was tested in detail with both magnetometric and VLF electromagnetic methods.

It is concluded that the magnetometer and Ronka EM-16 surveying in the tested area did not reveal any mineral targets that warrant further expenditure at the present time.

INTRODUCTION

Strato Geological Ltd. carried out an electromagnetic and magnetometer survey pursuant to instructions from Regency Resources Ltd. who are understood to be the owners of the claims.

The period of the field work was April 13th through April 21st, 1975. Snow conditions prevailed.

PROPERTY - LOCATION, TOPOGRAPHY, ACCESS

The SLATE claim group is located about <sup>110</sup>~~100~~ miles north-east of Ross River, Yukon, or 170 miles southwest of Norman Wells,

Northwest Territories, near MacMillan Pass on the Canol Road.

The property is situated at the headwaters of the Hess River on a small north-flowing creek just west of the Yukon-Northwest Territories boundary some ten miles south of Keele Peak, the highest topographic feature in this part of Northern Canada. MacTung is an airstrip at the Canol Road some six airmiles south of the SLATE claim group.

Elevations vary between 3800 feet on the valley floor through the centre of the claim group to some 6000 feet above sea-level on the north-trending mountain ridges flanking the east and west boundaries of the property. Topography is rugged with rock slides common on both sides of the valley floor.

Access is best by helicopter from Norman Wells, Mayo or Ross River. No roads exist in the claim area.

### CLAIMS

The SLATE mining claims are recorded in the Mayo Mining District at Mayo, Yukon Territory, Department of Indian Affairs and Northern Development, as follows:

<u>Claim Name</u>	<u>Grant No.</u>	<u>Staker</u>	<u>Date Recorded</u>	<u>Expiry Date</u>
SLATE 1-8	Y69285-92	Jim Lutz	May 18/73	May 18/75
9-16	Y69293-300	Brad McCarthur	"	"
17-24	Y69301-08	Ian Tillie	"	"
25-28	Y69309-12	Robert Nelson	"	"
33-40	Y69317-24	Cal Miller	"	May 18/76
41-48	Y69325-32	John Miller	"	May 18/75
49-56	Y69333-40	Ray Davies	"	"
57-64	Y69341-48	Wallace Rich	"	"
29-32	Y69313-16	Robert Nelson		May 18/76



### HISTORY - REFERENCES

No general geological map is available for the claim area. The most detailed topographic map is Yukon claim sheet 105-0-8. Topographic map 105-0 (Niddery Lake) is a good general area map.

Strato Geological Ltd., 39-448 Seymour Street, Vancouver, British Columbia, conducted a reconnaissance magnetometer survey over part of the SLATE claim group in November, 1973.

The following publications are useful for reference purposes:

1. Geological Survey of Canada Paper 45-16, 1945, Canol Geological Investigations in the MacKenzie River Area, Northwest Territories and Yukon - G.S. Hume and T.A. Link.
2. Geological Survey of Canada Paper 45-21, 1946, Geological Reconnaissance along the Canol Road from Teslin River to MacMillan Pass, Yukon - E.D. Kindle.
3. Geological Survey of Canada Paper 50-14, Potential Mineral Resources Of Yukon Territory - H.S. Bostock.
4. Summary Report No. 1097 (1910) for G.S.C. Reconnaissance along the MacKenzie Mountains on the Pelly, Ross and Gravel Rivers, Yukon and Northwest Territories - Joseph Keele.
5. Geological Survey of Canada Memoir 284 - H.S. Bostock.
6. Mining Industry in the Northwest Territories - Reports by the Geological Survey of Canada for the years 1967, 1968, 1971 and 1972.
7. Yukon claim map 105-0-8, Scale 2 inches = 1 mile.
8. N.T.S. topographic map - Niddery Lake, Scale 1 inch = 4 miles.

9. The MacMillan Tungsten Property - Amax Exploration, Fourth Northern Resources Conference, Whitehorse, Yukon Territory - J.F. Allan and A.R. Findlay, April, 1972.
10. Preliminary Report on a Magnetometer Survey on part of the SLATE CLAIM GROUP dated December 7, 1973 - Donald W. Tully, P.Eng.

#### GENERAL GEOLOGY - MINERALIZATION

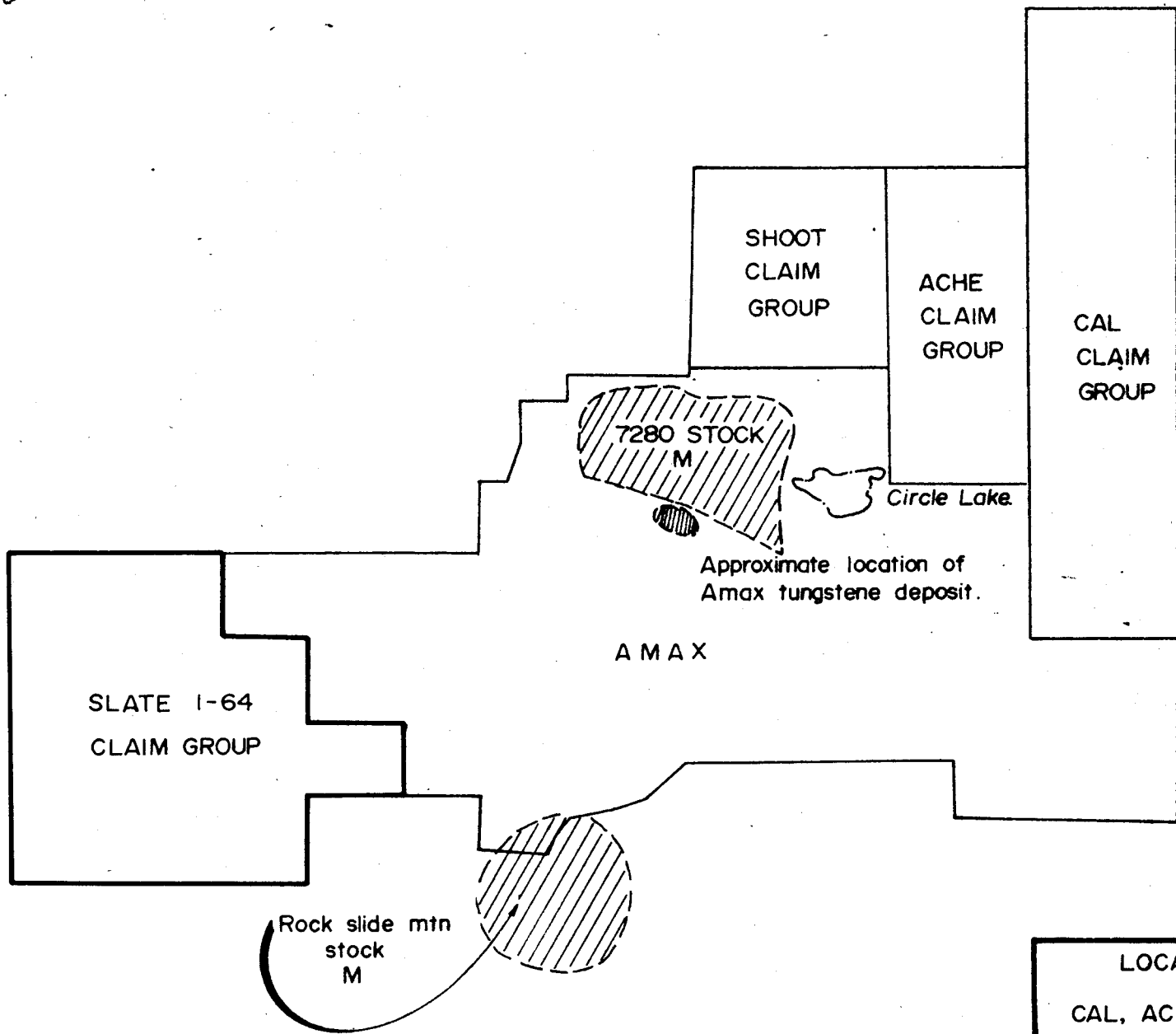
Outcrops of shale and slate (Road River formation?) occur on SLATE claims Y69303 and Y69305 along the main northflowing creek through the claim group. Similar rocks occur on Y69320 on the south side of a tributary creek. Strikes are generally east-west with much dragfolding.

In regional setting, formations on the SLATE claim group form part of the Selwyn Basin Structure and are probably Ordovician in age. Along this basin structure the favourable geologic horizon is the Road River horizon of shale units. This formation carries the scheelite as a replacement in certain stratigraphic horizons that appear to be influenced by intrusions of Cretaceous age granodiorite and monzonite on the Amax property which lies to the east. Lithologic units grade from early (Precambrian?) phyllites and mica schists through late Paleozoic shales and slates.

The granitic intrusives have tended to "arch" and "dome" the host rocks and developing skarn (tactite) and hornfels with accompanying pyrrhotite.

A geologic sketch showing the spatial relationship of the SLATE claim group to the Amax property accompanies this report.

There is no economic mineralization on the claim group known to the writer.



LOCATION GENERAL MAP  
 showing the  
 CAL, ACHE, SHOOT, SLATE CLAIMS

*Donald W. Kelly*

NOTE: This generalized map is for informational purposes only. Exact locations are not guaranteed.

## ELECTROMAGNETIC SURVEY

### METHOD

A base grid was laid out on true north along line 50 west with east-west lines at 50 metre intervals using a chain and compass. Survey closures were made at frequent intervals within 5% closure.

Ronka Instrument #3329 was rented from Geonics Ltd., 510 West Hastings Street, Vancouver, British Columbia.

The primary electromagnetic field from Station NPG (Seattle, Washington) was established by the "null" method in the direction of azimuth 352 degrees True.

Readings were taken pointing azimuth 082 degrees True for the entire survey for in-phase and out-of-phase (quadrature).

Station locations were marked with flagging on the ground.

202 Ronka station readings were taken.

### RESULTS

The in-phase and quadrature readings were plotted on scale 1 centimeter equals 20 metres on the plan accompanying this report. Profiles were drawn on the plan to graphically exemplify the results. In-phase results are shown with solid line and quadrature with dashed line in an east-west direction over the grid.

Using the parameter of positive in-phase readings trending to negative along the direction of reading confirmed by quadrature readings trending from negative to positive in the same

station area on the same profile, no electromagnetic conductor areas of significance were found in the area of the survey.

### MAGNETOMETER SURVEY

#### METHOD

Magnetometer readings were taken on the same grid and station location established for the electromagnetic survey. The instrument used was Coni-Mag instrument #00110 rented from Conigas Research Inc., Toronto, Ontario.

Diurnal corrections were made daily.

201 station readings were taken.

#### RESULTS

Total local relief was found to be 2034 gammas on SLATE claim #35 in the northwest part of the survey area.

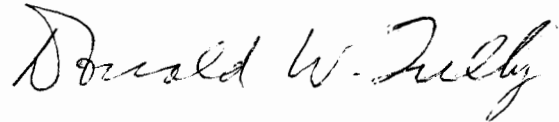
The trend of ground magnetics is northerly. A belt of magnetic "high" extends northward along the valley bottom. Magnetic "lows" tend to parallel the "highs" on the west.

The significance of the magnetics is not immediately apparent since no rock outcrops were observed in the area surveyed.

RECOMMENDATIONS

No further work is recommended on the SLATE claim group at the present time.

Respectfully submitted,

A handwritten signature in cursive script that reads "Donald W. Tully".

Donald W. Tully, P.Eng.

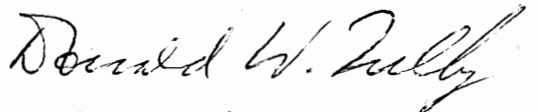
May 23, 1975

CERTIFICATE

I, DONALD WILLIAM TULLY, of the Municipality of West Vancouver, in the Province of British Columbia, hereby certify as follows:

1. I am a Consulting Geologist with an office at Suite 102, 2222 Bellevue Avenue, West Vancouver, British Columbia.
2. I am a registered Professional Engineer in the Provinces of British Columbia and Ontario.
3. I graduated with a degree of Bachelor of Science, Honours Geology, from McGill University in 1943.
4. I have practiced my profession for thirty years.
5. I have no direct, indirect or contingent interest in the SLATE claims, nor do I intend to receive any interest. I have no direct, indirect or contingent interest in the shares of REGENCY RESOURCES LTD.
6. This report dated May 23rd, 1975, is based on a study of the available published data on this particular area of the Yukon Territory, information gathered from personal communications and I was personally present in the field on April 12th through April 20th, 1975.

DATED at West Vancouver, British Columbia, this 23rd day of May, 1975.



Donald W. Tully, P.Eng.  
Consulting Geologist

A P P E N D I X

I, UNO LEIS, MAKE OATH AND SAY as follows that on the dates herein specified I incurred the following costs during the survey and compilation of the work on the SLATE mineral claims.

TIME - COST DISTRIBUTION

DATE: April 10th to 20th, 1975

COSTS:	Labour	\$2,750.00
	Aircraft Charter	3,420.60
	Field Supplies	156.84
	Room and Board	276.32
	Equipment Rentals	572.59
	Transportation	400.00
	Miscellaneous	200.00
		<hr/>
	TOTAL.....	\$7,776.35
		=====

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 the *city* )  
of *Vancouver* in the )  
Province of British Columbia, )  
this *27<sup>th</sup>* day of *May* )  
1975. )

*Uno Leis*

*[Signature]*

A Notary Public in and for the  
Province of British Columbia

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DIURNAL CHART

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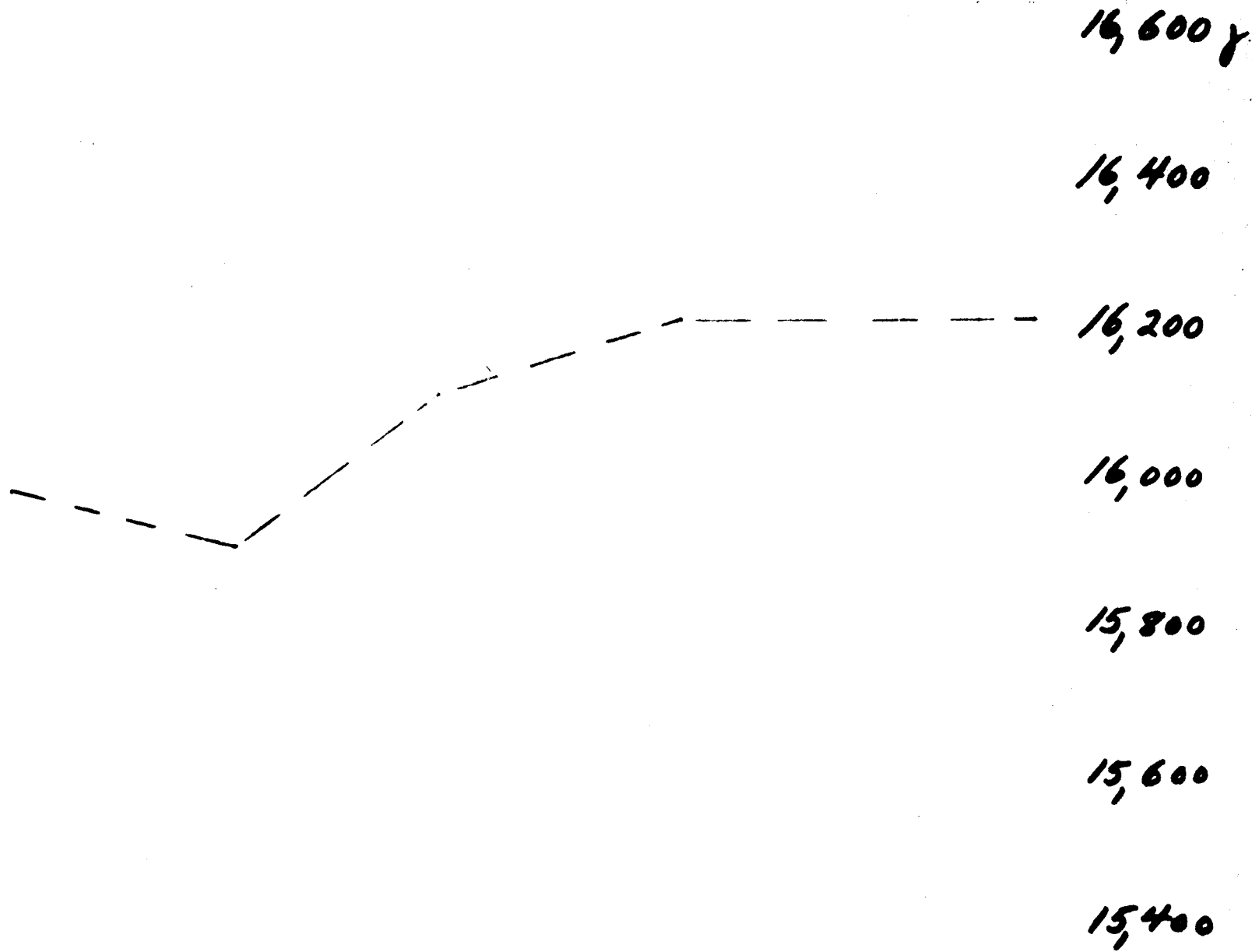
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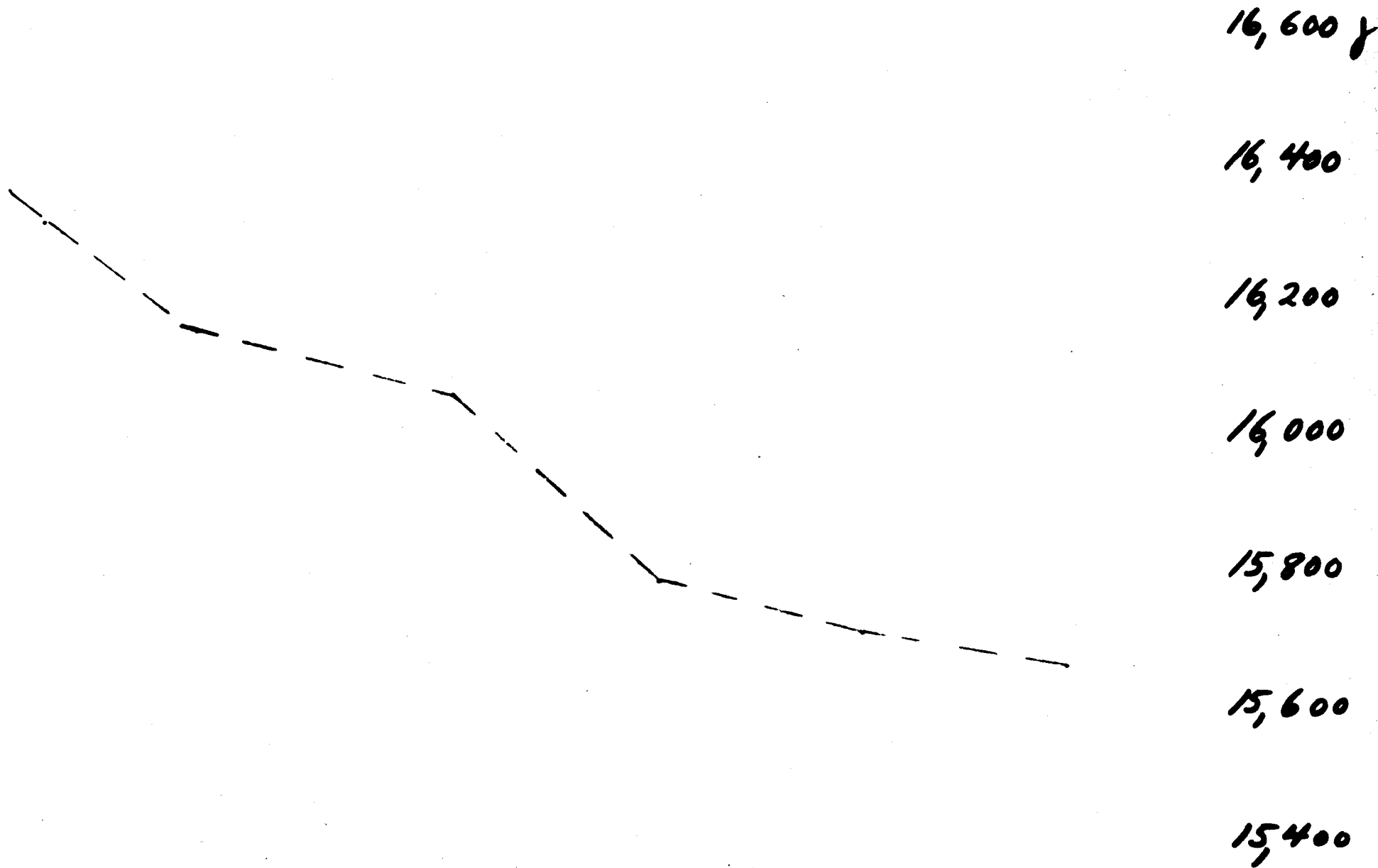
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DIURNAL CHART

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DIURNAL CHART

APR 15, 1975

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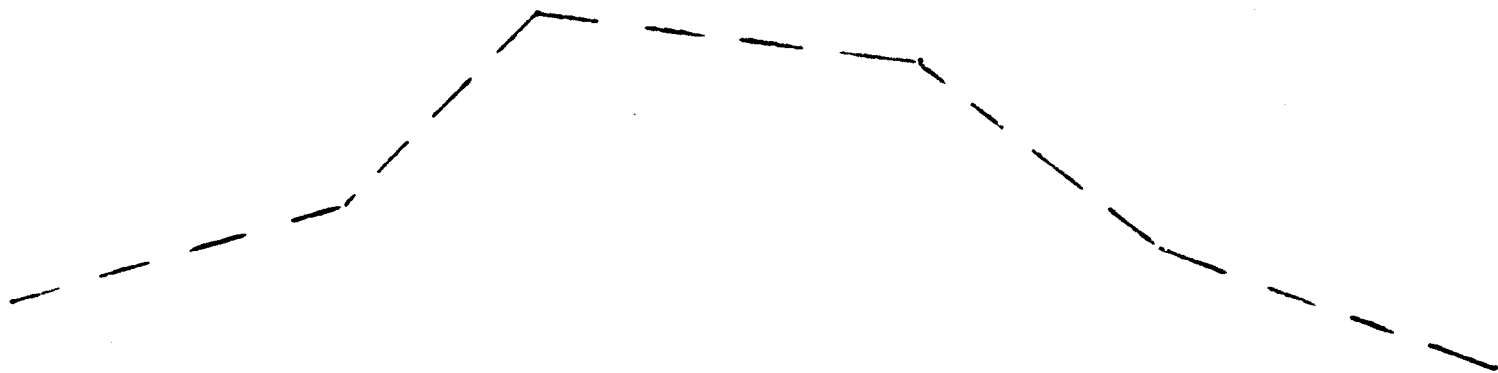
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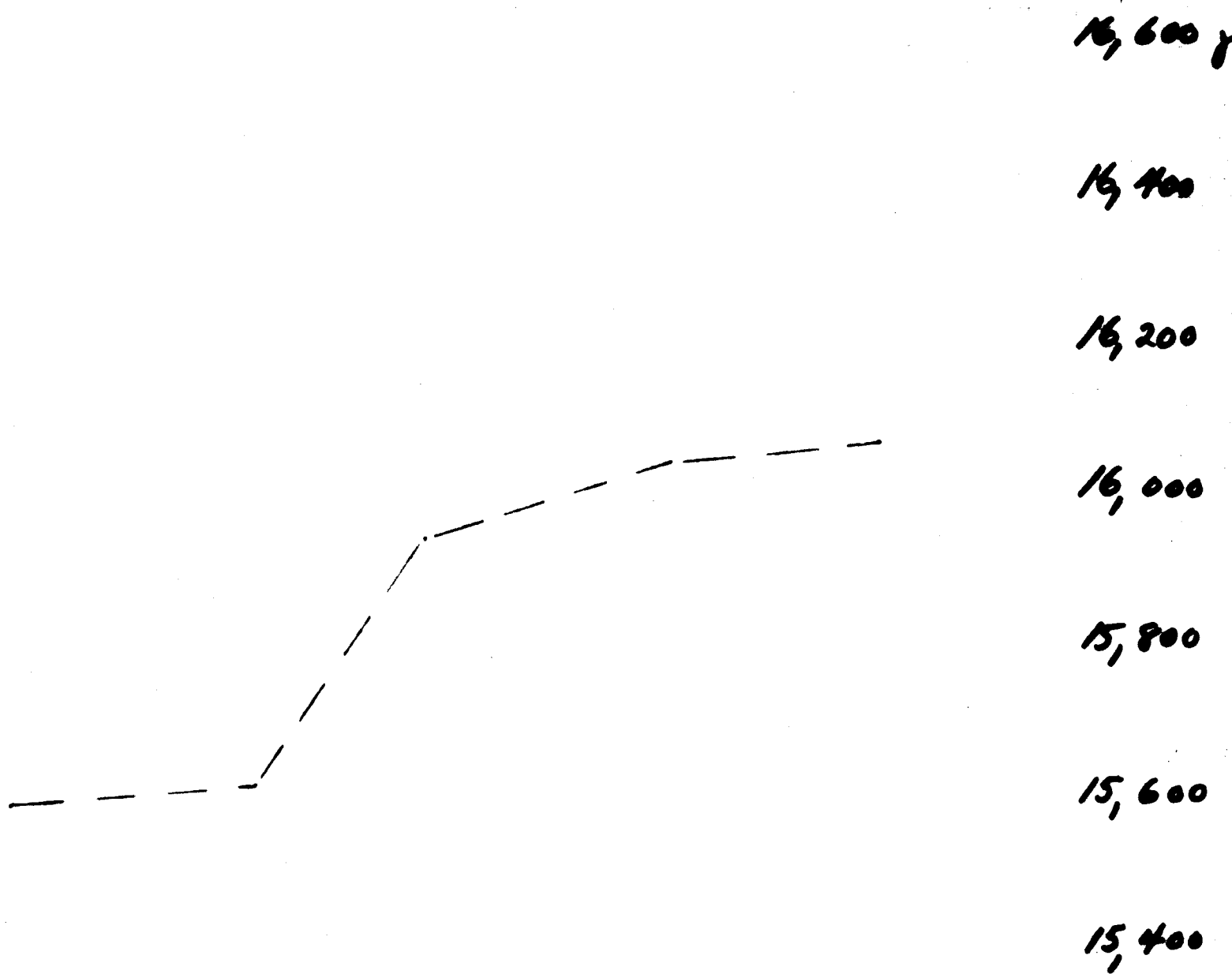
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DIURNAL CHART

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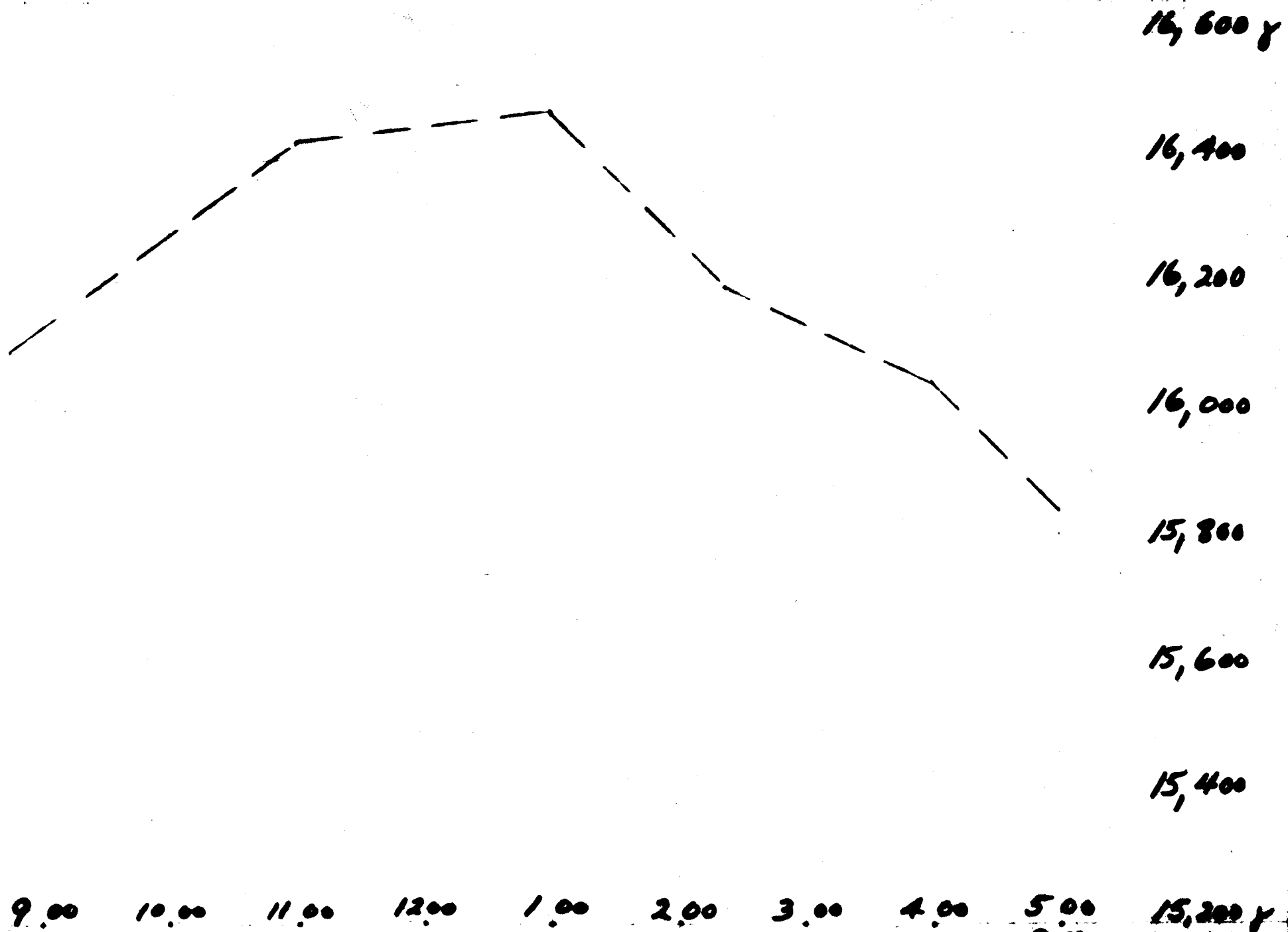
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APR. 17/75



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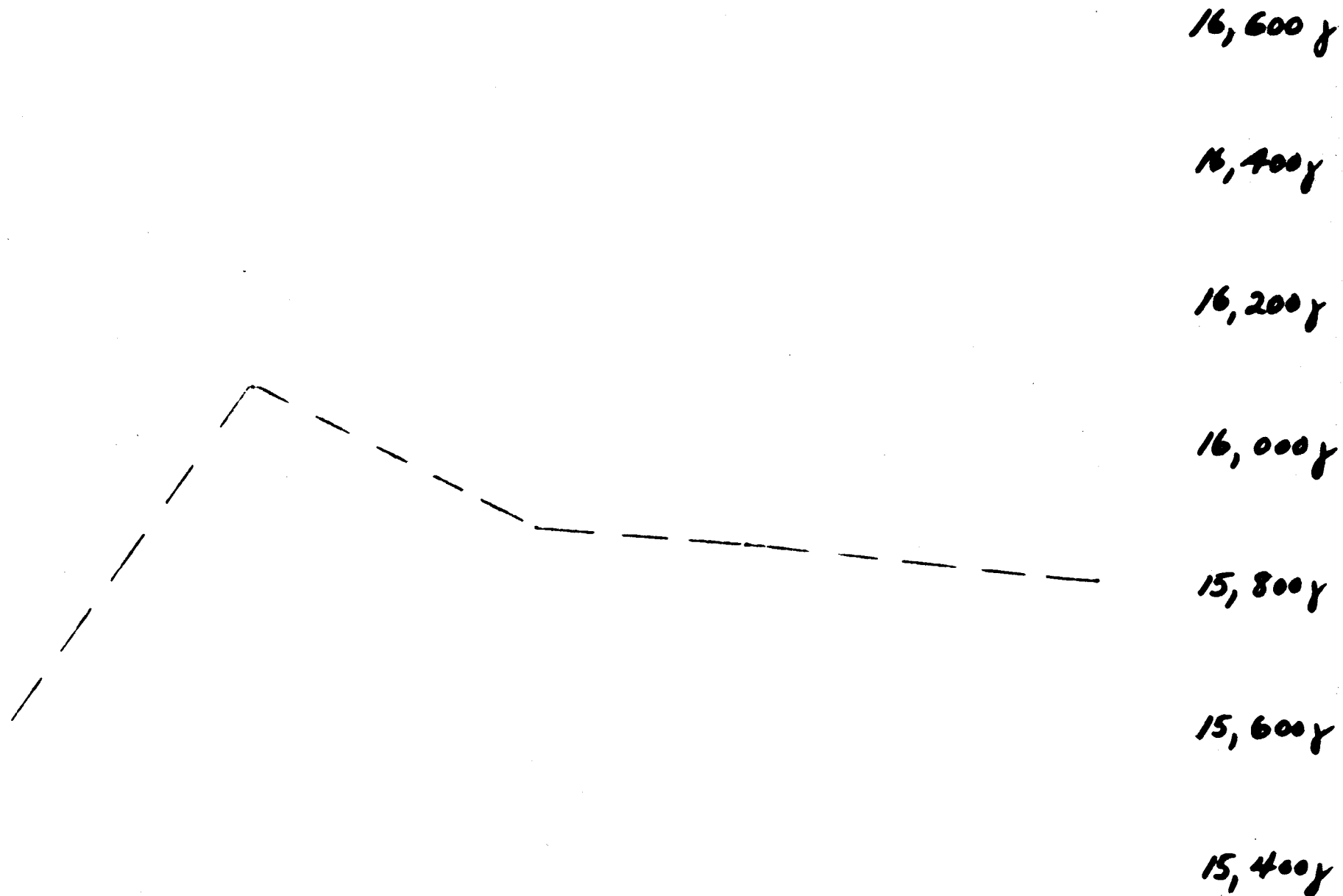
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DIURNAL CHART

P.M. 15/12/75

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A.M. P.M. APR. 1975



DIURNAL CHART

155

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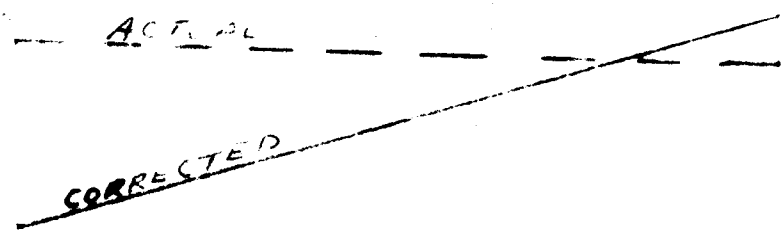
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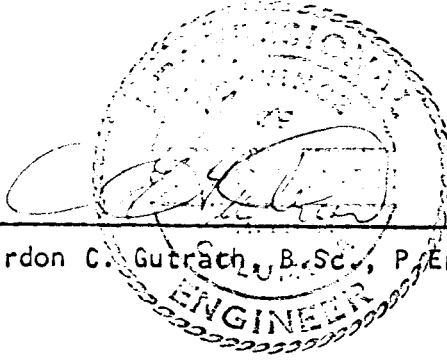
P.M. APR. 24/51

TO WHOM IT MAY CONCERN

Re: Junex Resources Ltd.

I, Gordon C. Gutrath, P.Eng., hereby certify that Mr. D. H. Waugh, staked and completed a tape and compass survey of the Box #1 to #8 and #10 to #15 claims in the Mayo Mining District, Yukon Territory, for Junex Resources Ltd. under my supervision.

Mr. Waugh's work was performed in a professional competent manner.

A circular professional seal for a Geologist in the Yukon Territory. The seal contains the text "YUKON TERRITORY" at the top, "PROFESSIONAL ENGINEER" around the inner border, and "GEOLOGIST" at the bottom. A signature is written across the seal.  

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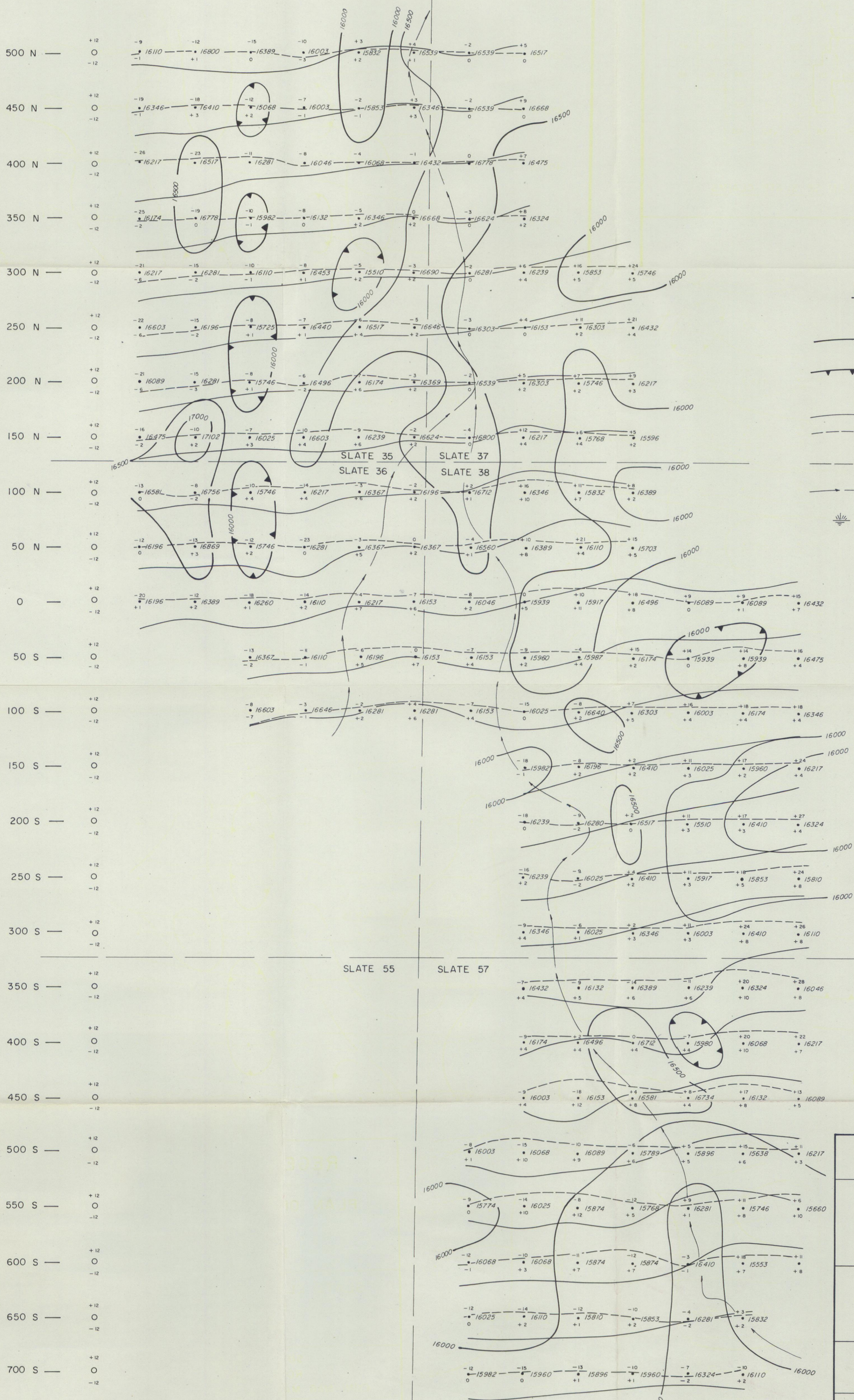
Gordon C. Gutrath, B.Sc., P.Eng., Geologist

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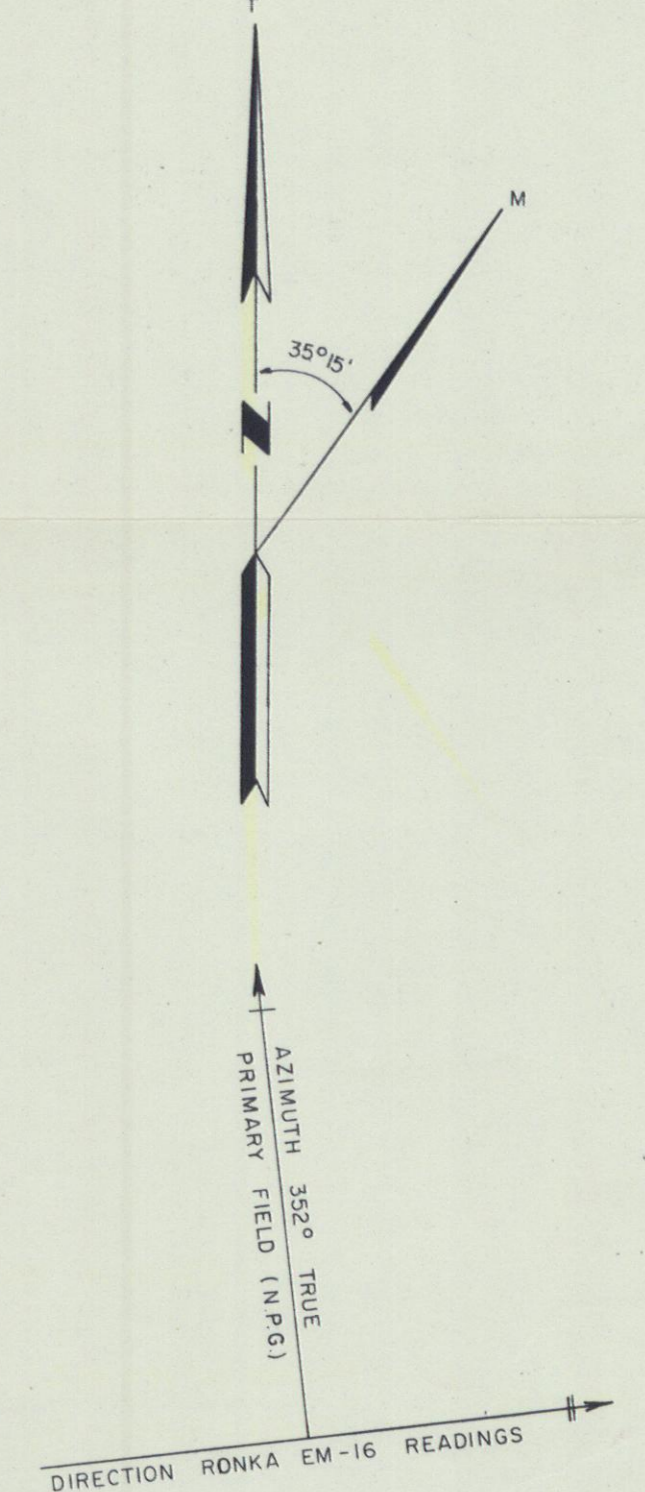
AREA OF SURVEY

KEY PLAN OF SLATE CLAIMS



LEGEND and SYMBOLS

- ISOMAGNETIC CONTOUR 16000 γ
- ISOMAGNETIC DEPRESSION CONTOUR
- (STATION READING) (IN - PHASE PROFILE +12) (QUADRATURE PROFILE -12) GAMMAS
- CLAIM LINE - POSITION ASSUMED
- CREEK
- SWAMP AREA



REGENCY RESOURCES LTD.

PLAN OF ELECTROMAGNETIC READINGS WITH PROFILES AND MAGNETOMETER READINGS

SLATE CLAIMS Y 69319, 20, 21, 22 Y 69341, 43  
MAYO MINING DISTRICT  
YUKON TERRITORY

SURVEY BY STRATO GEOLOGICAL LTD.  
RONKA INSTRUMENT EM-16 No. 3329 USED  
CONI-MAG MAGNETOMETER, INSTRUMENT No. 00110 USED

MAY, 1975

SCALE: 1cm = 20 metres

TO ACCOMPANY A REPORT DATED MAY 23, 1975, BY DONALD W. TULLY, P. Eng.

*Donald W. Tully*