

Geochemical Survey Report on the Plum Claims
of Manor Mines Ltd.

Plum 1-50 : 20111-20160
Plum 51-64

Situated east of Rupert Inlet on northern
Vancouver Island,
British Columbia.

50°36' north latitude, 127°21' west longitude

50° 10' N
Submitted by : R.H.D. Philp, P.Eng.
Owner : Manor Mines Ltd.

Work conducted by Manor Mines Ltd. during
May, 1968.

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REPORT ON A

GEOCHEMICAL SURVEY

ON THE PLUM CLAIMS

OF

MANOR MINES LTD.

Department of
Mines and Metallurgical Resources
ASSESSMENT REPORT

NO. **2067** MAP

AGILIS EXPLORATION SERVICES LTD.

JUNE 3, 1969

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#1 Geochemical Survey	1 inch = 400 feet
#2 Location Map	1 inch = 1 mile

REPORT ON A
GEOCHEMICAL SURVEY ON THE PLUM CLAIMS
OF MANOR MINES LTD.

Introduction:

The Plum Group, totalling 50 claims situated $8\frac{1}{2}$ miles southeast of Port Hardy, B.C., is accessible by road from that center.

Relief throughout the area is low with elevations varying between approximately 200 and 500 feet above sea level. Heavy timber and thick underbrush occur throughout, making travel difficult.

During 1968, personnel of Manor Mines Ltd. conducted a reconnaissance geochemical survey over a small portion of the group. At the request of that company the writer has reviewed the results of the program which was initiated at his recommendation.

Property:

At the time of the survey the property consisted of 50 contiguous mineral claims.

Plum 1-12	20111 - 20122
Plum 13-38	20123 - 20148
Plum 39-50	20149 - 20160
Plum 51-64	

The survey was conducted on all or a portion of the following claims. Plum 1, 2, 5-13, 27-30, 54-55, 51, 62.

Geology:

Regional mapping has been conducted by the Geological Survey of Canada and published at a scale of 1 inch = 5 miles in GSC Paper 67-1. The northern end of Vancouver Island is mainly underlain by Triassic volcanics and sediments, intruded by numerous small sills and stocks, acid to intermediate in composition.

Government mapping indicates the Plum claims are underlain by Triassic rocks belonging to the Bonanza Group. These are mostly volcanic, consisting of andesitic and basaltic flows, tuffs and agglomerates, with minor sediments. No outcrop was noted in the survey areas. Float consists mainly of andesite and tuffaceous volcanics occasionally with pyrite. Granodiorite outcrops approximately 1 mile west of the claims.

The indicated trend of the strata is northeasterly with gentle dips to the southeast. A major east-west fault is indicated through the southern portion of the group.

Geochemical Survey:

Field Procedures:

Base-lines were established in a north-westerly direction and cross-lines run at 400 foot intervals. Lines were established by chain and compass and marked by flagging with stations marked at all sample locations at 200 foot intervals.

A total of 8000 feet of base-lines were established and samples collected along these and approximately 33,000 feet of cross-lines.

Samples were collected using an auger and were taken where possible from the soil horizon immediately underlying the surface humous layer. This generally consists of a reddish-brown clayey sand. Notes were taken at all sample locations regarding soil type, depth, vegetation and topography to be used later in interpreting the results.

Testing Procedure.

Samples were tested by T.S.L. Laboratories of Vancouver using hot nitric acid for digestion. All samples were analyzed for total copper with values reported in parts per million (ppm).

Results of Survey.

Background varies up to approximately 35 ppm copper in the areas sampled and values twice this or greater can be considered anomalous.

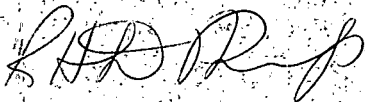
The survey was very limited in extent and no anomalous areas were outlined. One sample, at the extreme western end of line 52 + 00S, returned a value of 108 ppm copper. However, no sampling was carried out in the surrounding area thus it is not known if this is an isolated value or forms part of an anomalous area.

Conclusions:

The claims lie within an area geologically favorable for the occurrence of copper mineralization.

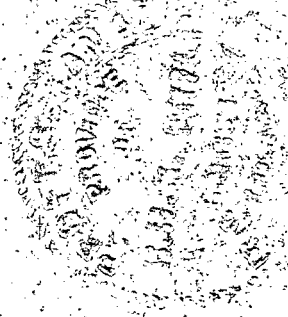
The geochemical survey failed to outline any anomalous areas. However, the survey was very limited in extent and should be expanded to cover a much larger area, with emphasis placed on the southern portion of the group.

Respectfully Submitted,



R.H.D. Philp, P.Eng.

AGILIS EXPLORATION SERVICES LTD.





Agilis Exploration Services Ltd.

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Telephone: 688-1508

201-714 WEST HASTINGS STREET, VANCOUVER 1, B.C.

Chief Gold Commissioner
Parliament Buildings,
VICTORIA,
B. C.

December 29, 1969

Attention: Mr. McCrimmon

Dear Sir:

RE: Manor Mines Ltd (NPL) - Plum Group

In answer to your questions regarding the geochemical survey on the above claims, I can provide the following information:

The samples were packaged in Kraft envelopes and sent to T. S. L. Laboratories for testing. After drying in an electric oven they were screened to -80 mesh, digested in a hot nitric acid mixture and analyzed by atomic absorption.

I trust this will provide the information you require.

Yours truly,

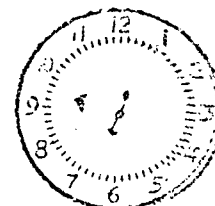
R. H. D. Philp, P. Eng.,

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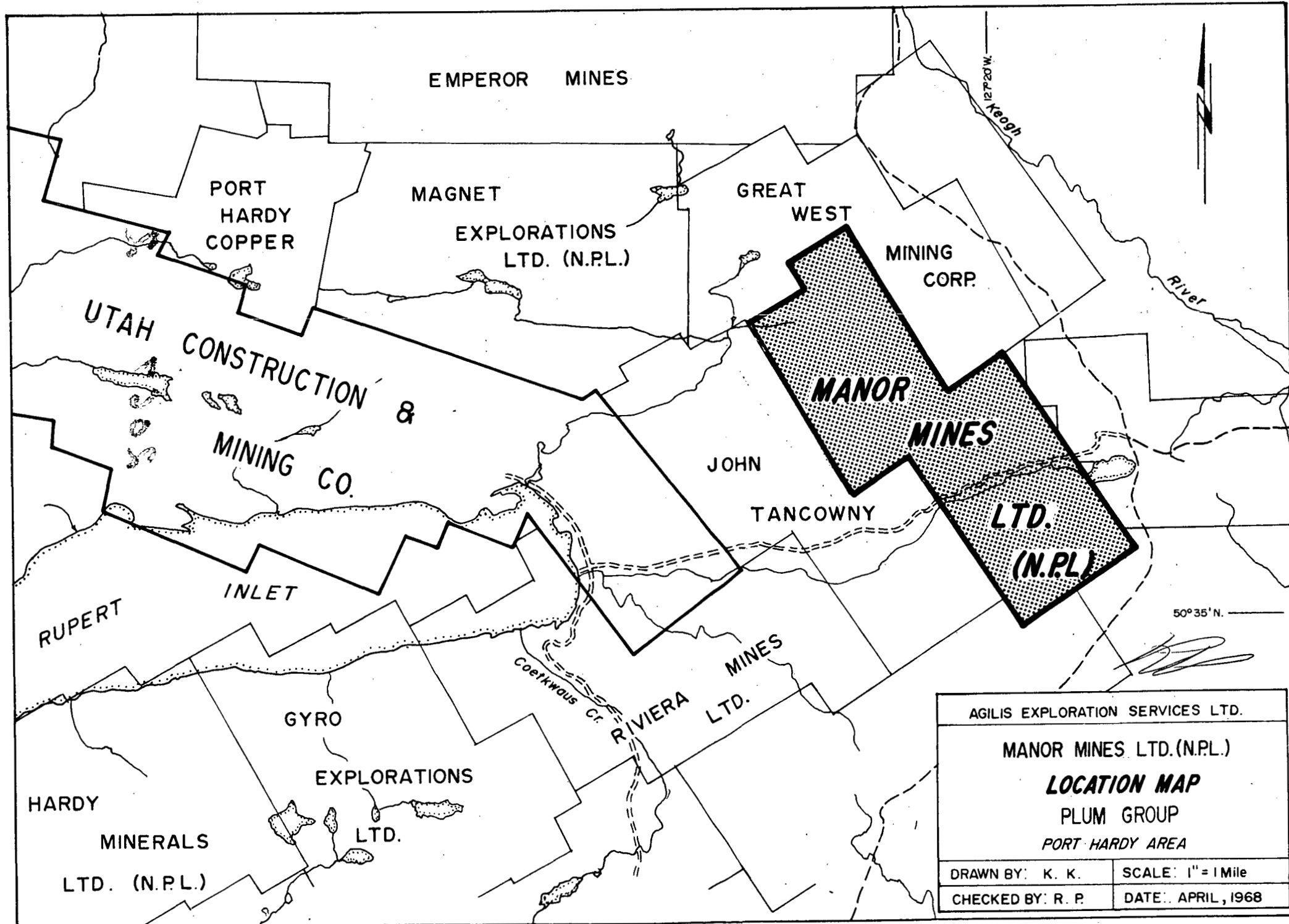
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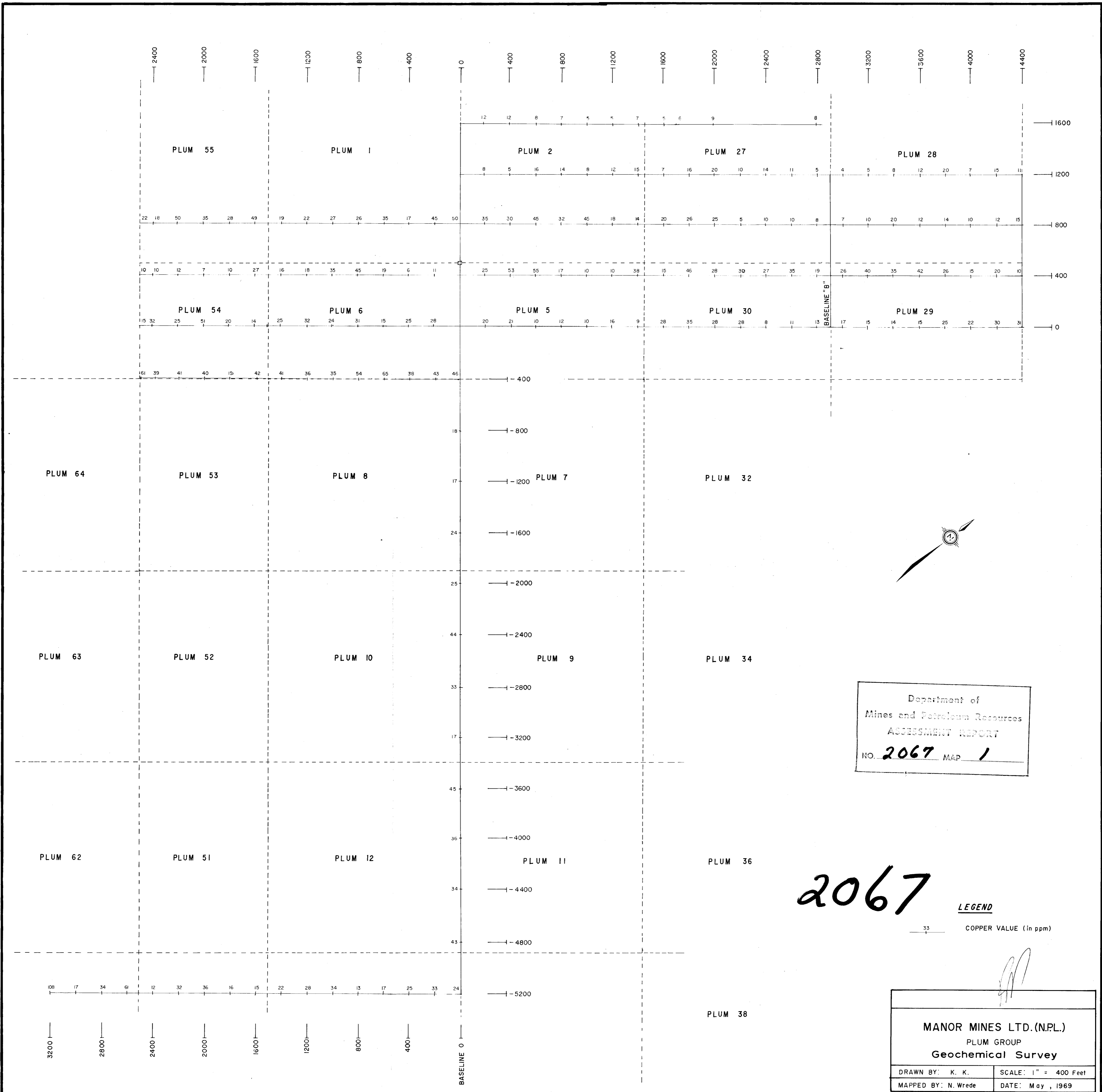
DEPT. OF MINES
AND PETROLEUM RESOURCES



AGILIS EXPLORATION SERVICES LTD.	
MANOR MINES LTD.(N.P.L.)	
LOCATION MAP	
PLUM GROUP	
PORT HARDY AREA	
DRAWN BY: K. K.	SCALE: 1" = 1 Mile
CHECKED BY: R. P.	DATE: APRIL, 1968

Department of
Mines and Petroleum Resources
ASSESSMENT REPORT

NO. **2067** MAP **2**



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. **2067** MAP **1**

2067

LEGEND
33 COPPER VALUE (in ppm)

MANOR MINES LTD. (N.P.L.)
PLUM GROUP
Geochemical Survey
DRAWN BY: K. K. SCALE: 1" = 400 Feet
MAPPED BY: N. Wrede DATE: May, 1969