



Central Pacific Minerals NL

INCORPORATED IN THE AUSTRALIAN CAPITAL TERRITORY

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April 19, 1971
ref. NT 17C

The Director
Mines & Water Resources Branch
Northern Territory Administration
DARWIN N.T. 5790

Dear Sir,

A.P. 2037 - Rankin's Prospect
Report for March, 1971

Three percussion holes aggregating 670 feet were drilled to intersect outcropping ironstone lenses containing up to 1% copper and lead. Although sulphide mineralisation was intersected in these holes the base metal content and width were such as to down grade the prospect.

Drilling commenced on the 18th February and was completed on the 24th February. Abbreviated geological logs of the holes are as follows:-

<u>PH NT 17-2</u>	Bearing 68°, Angle 70°	415N 010E
0 - 160	Hornblende schist containing disseminated (< 5%) magnetite.	
	Cu	52 - 80 ppm
	Pb	150 - 300 ppm
	Zn	220 - 660 ppm
175 - 195	Hornblende schist containing disseminated magnetite (< 1%)	
195 - 285	Quartz felspar gneiss containing lenses of hornblende schist	
 <u>PH NT 17-4</u>	 Bearing 131°, Angle 58°	 090N 090E
0 - 90	Hornblende schist	
90 - 105	Hornblende schist	Cu 30 - 72 ppm
		Pb 28 - 40 ppm
		Zn 110 - 160 ppm
105 - 145	Hornblende schist	
145 - 160	Quartz-felspar gneiss	
	Cu	56 - 110 ppm
	Pb	110 - 720 ppm
	Zn	140 - 360 ppm
160 - 195	Quartz-felspar gneiss containing lenses of hornblende schist. Disseminated magnetite and pyrite (< 5% oxide and sulphide)	
195 - 205	Quartz-felspar gneiss	

PH NT 17-5

Bearing 159°, Angle 60° 1390N 085E.

0 - 50 Hornblende schist
50 - 105 Hornblende-biotite schist
105 - 110 Hornblende-biotite schist containing limonite
and up to 20% combined magnetite and pyrite
110 - 130 Ironstained hornblende schist containing up to
20% combined magnetite-pyrite-galena-sphalerite
Cu 270 - 700 ppm
Pb 1500 -> 1%
Zn 270 -> 1%
130 - 135 Ironstained hornblende schist containing up to
30% combined pyrite and magnetite.
135 - 190 Hornblende schist exhibiting decreasing sulphide
content with depth. Combined pyrite magnetite
content < 5%

Check assays on the zone 120 - 130 feet containing
greater than 1% base metal yield the following results:

	<u>Pb%</u>	<u>Zn%</u>	<u>Slope Width</u>	<u>True Width</u>
120 - 125	3.8	1.6	5 ft.	3.2 ft.
125 - 130	1.2	0.8	5 ft.	3.2 ft.

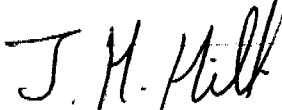
Average grade is 2.5% Pb and 1.2% Zn over
6.4 ft. true width. These grades are not economic and
not encouraging when considered in relation to the other
drilling results and local geology.

Analytical results for silver, bismuth and
antimony were all low i.e.

silver < 15 ppm
bismuth < 75 ppm
antimony < 25 ppm

Expenditure to the end of February 1971 is
\$379.00 out of a total of \$28,464.00 spent on exploration
in the Northern Territory for 1971. This does not include
capital equipment and plant needed to service the various
projects.

Yours faithfully,



J.F. Ivanac
General Manager

c.c. Inspector of Mines
Mines Department
ALICE SPRINGS N.T.

A.P. 2037 Rankins Reward Prospect.

Feb. 1971. Gorey and Cole drilled 3 percussion holes 18-25/2/1971.

All were in hornblende schist and quartz-felspar gneiss.

P.H.2. Bearing 68° , depressed 70° , T.D. 285', coords 415N 010E.

Small amount of pyrite near bottom of hole.

P.H.4. Bearing 131° , depressed 58° , T.D. 205', coords 090N 090E.

Small amount of pyrite near bottom of hole.

P.H.5. Bearing 159° , depressed 60° , T.D. 190', coords 1390N 085E.

Traces of pyrite 90'-110', galena and magnetite 120'-130', small amounts of pyrite down to 155'. The bottom 25' was in footwall gneiss.

This hole was drilled on a strong magnetic anomaly with galena outcropping on the surface.

Mar. 1971. The holes were drilled to intersect outcropping ironstone lenses containing up to 1% Cu and Pb.

P.H.2. Cu 52-80 P.P.M. Pb 150-300 P.P.M. Zn 220-660 P.P.M.

P.H.4. Cu 30-110 P.P.M. Pb 28-720 P.P.M. Zn 110-360 P.P.M.

P.H.5. Cu 270-700 P.P.M. Pb 1500-710,000 P.P.M. Zn 270-710,000 P.P.M.

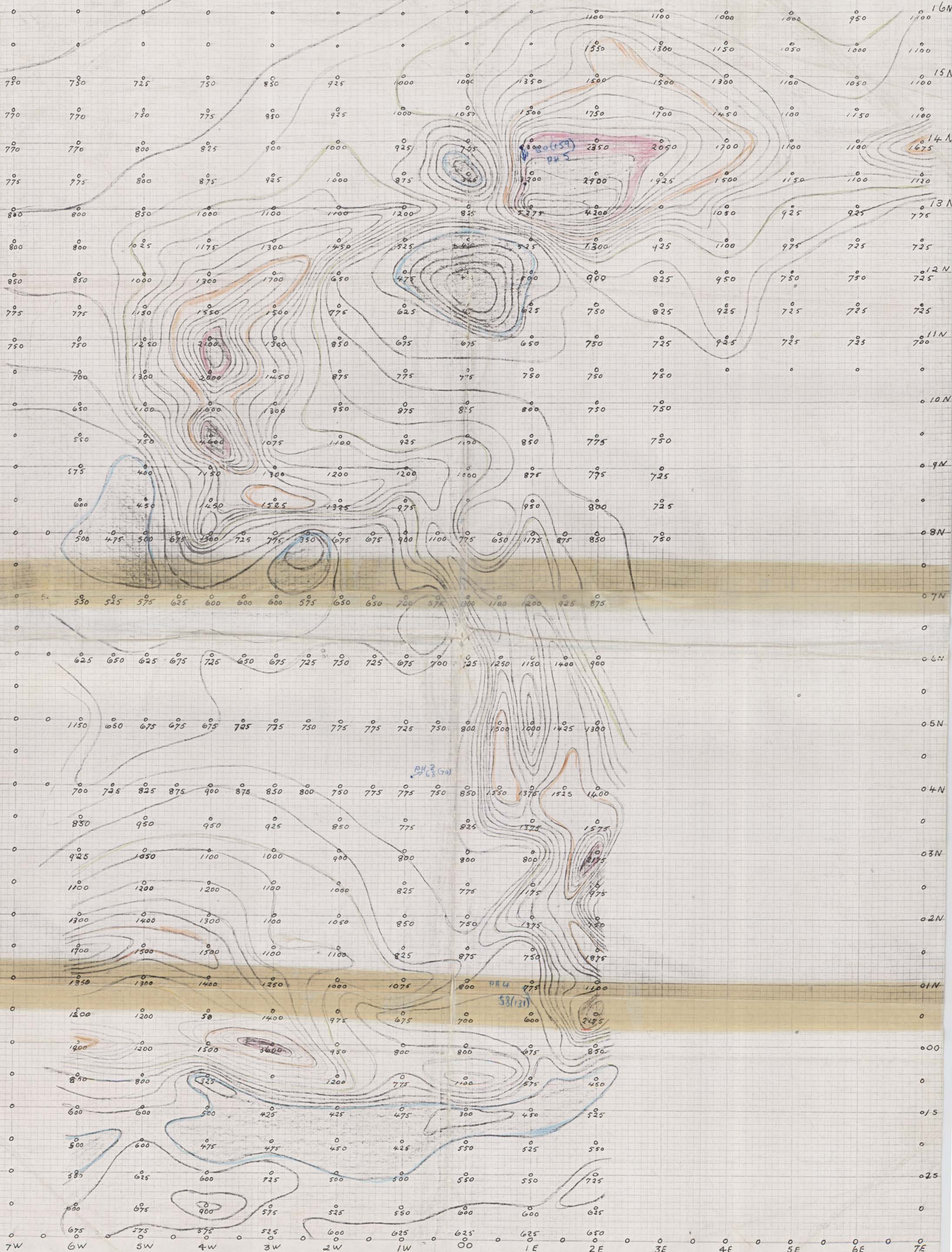
120'-130' Iron stained hornblende schist containing up to 20% combined magnetite-pyrite-galena-sphalerite.

Check assays gave:-

	True Width	Pb	Zn
120'-125'	3'2"	3'8%	1'6%
125'-130'	3'2"	1'2%	0'8%

All analytical results gave <15 P.P.M. Silver, <75 P.P.M. Bismuth and <25 P.P.M. Antimony.

June 1969. The A.P. is 1 mile wide from ca 1 mile N to ca 5 mile S of the Phlogopite Mine.



RANKINS
PROSPECT.

MAGNETOMETER SURVEY
SCALE 1"=100'