

Electrolytic Zinc Company of Australasia Limited

West Coast Department

Geological Report

On

E. J. Hall – Riana Prospect

May, 1958

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ELECTROLYTIC ZINC COMPANY OF AUSTRALASIA LIMITED
West Coast Department

MEMORANDUM:

SUPERINTENDENT

E.J. Hall - Riana Prospect

Attached please find a report on the above prospect.

The deposit is limited in size and does not warrant the expense of further investigation.

Copies have been made for the Managing Director and Mr. E.J. Hall.

CHIEF GEOLOGIST

ROSEBERY, 12th May, 1959.

REPORT ON E.J. HALL RIANA PROSPECT

Advance Summary

On Saturday 19/4/58, an inspection was made of the E.J. Hall Prospect, south west of Riana. On a freehold property Haematite mineralisation was outcropping in altered granite. No mineralisation of economic significance was present.

Location and Title

The prospect is located approximately 2 miles south west of the township of Riana and it is possible to drive to within $\frac{1}{4}$ mile of the outcrop on gravelled road. Riana is linked with the North West coast at Penguin by 8 miles of good bitumen road. (see plate 1).

The outcrop is within an 88 acre property owned by W. Febey, and is covered by Mines Department Permit to Enter and Search No. 1645 in the name of J.C. Hall. The prospect was first brought to the notice of the Company by Mr. E.J. Hall who submitted sample No. 0/725 assaying 49.5% Iron.

Geology and Mineralisation

The country surrounding the prospect is of fair relief with broad valleys incised 300-400 ft. below the general dolerite plateau level. The contact between dolerite and underlying granite is encountered about half way down into the valley and generally the valley floor is infilled with dolerite boulders and soil. Isolated dark grey slate outcrops (presumably Dundas in age) were noted in the creeks.

In a cut in the bank of a creek, semi massive to massive haematite up to 8 ft. wide and dipping 71° East has been exposed over a length of 20 ft. The mineralisation strikes 187° magnetic and is emplaced in a zone of pneumatolytic alteration in granite. The granite is strongly kaolinised in the vicinity of a fault which is the hangingwall of the mineralisation and which exhibits a well developed pug zone. The footwall of the Haematite is not so well defined showing a tendency to grade out into unaltered granite. No other economic or gangue minerals are associated with the haematite. About 20 and 40 ft. from the main cut, two prospecting pits about 5 ft. deep have been sunk in creek wash, but these would not intersect the mineralisation due to their location to the footwall side of the outcrop. An attempt was made to locate the mineralisation or faulting along strike in neighbouring creeks without success, due to the depth of wash in the creeks.

Conclusion and Recommendation

A zone of haematite mineralisation 8 ft. wide and in excess of 20 ft. long has been formed as a result of alteration of granite. No economic minerals are associated with the haematite. The grade of iron is approximately 19% (see sample 0771 Plate 2.)

It is recommended that no further investigation is warranted in view of the small size of outcrop.

Acknowledgement

The writer desires to express his thanks to Messrs. E.J., J.C., T.C., and R.H. Hall, who accompanied him and assisted in his investigation of the prospect.

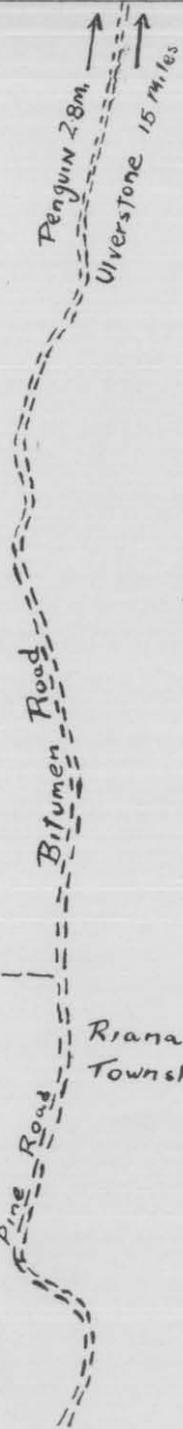
ROSEBERY, 13th May 1958.



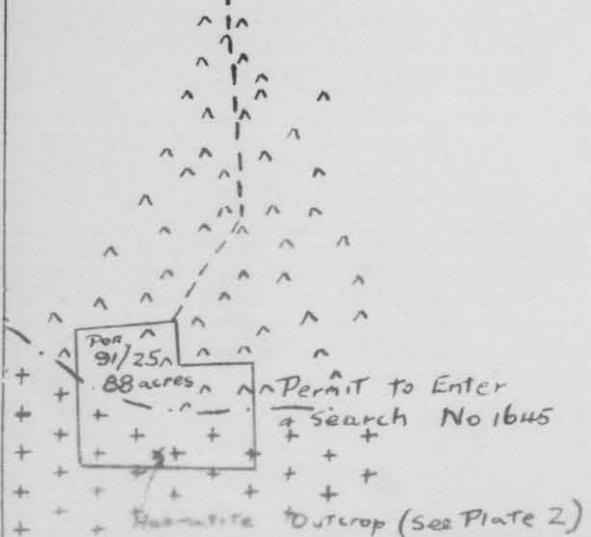
LEGEND

-  DOLERITE
-  GRANITE

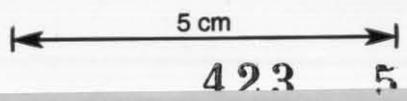
Southern
Extremity
of
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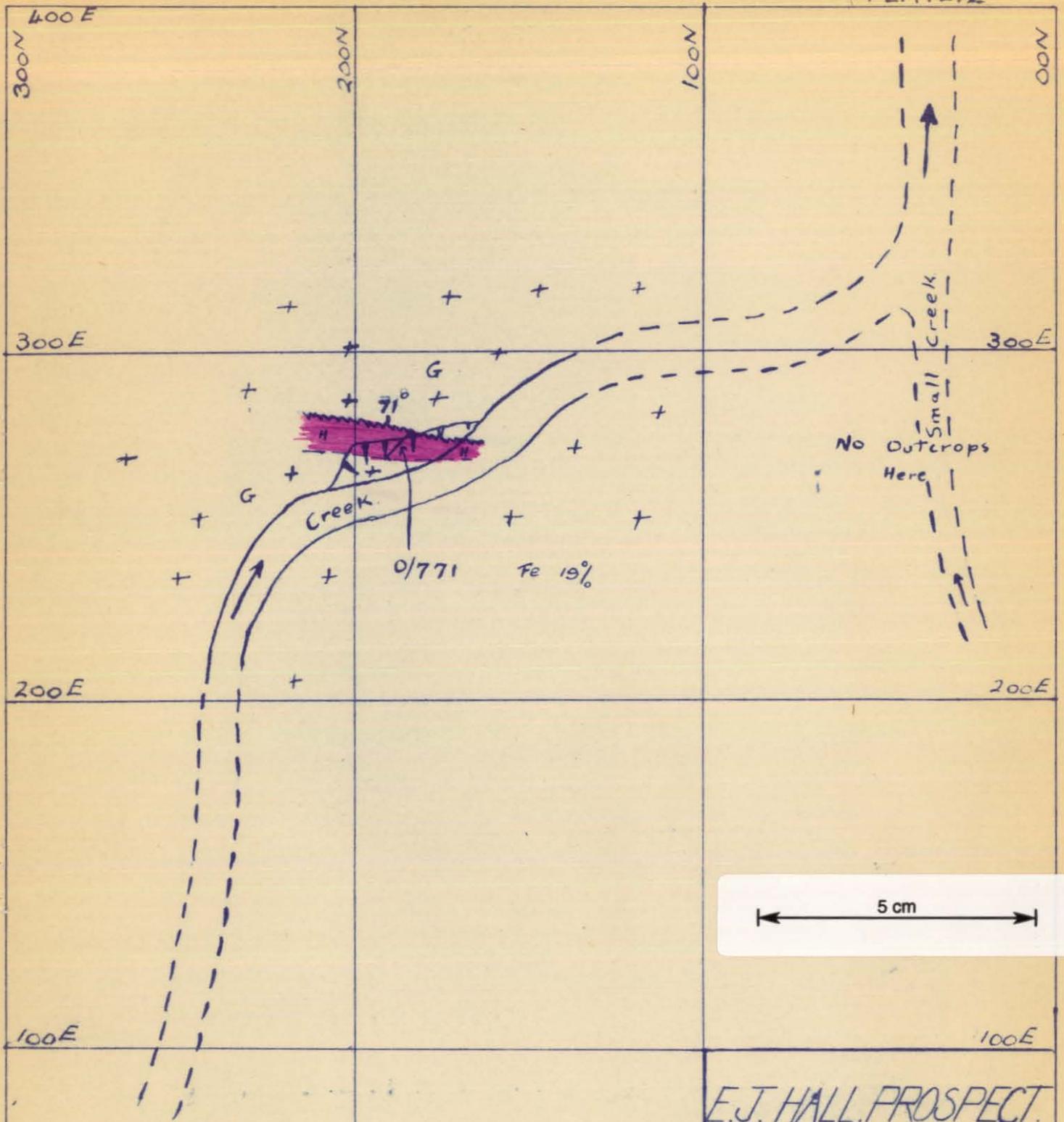


Gravelled Road



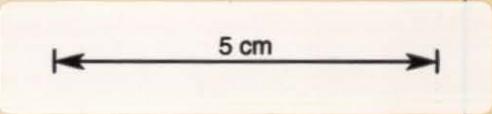
E.J. HALL PROSPECT.
 LOCALITY PLAN
 Scale 2" = 1 mile
 Date 3/6/58





Small Creek
No Outcrops Here

0/771 Fe 19%



E.J. HALL PROSPECT.

RIANA

Plan Showing Outcrop
Scale 1"=40' Local Grid

Grid N = Magnetic N

Date 3/6/58

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