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REPORT ON EXAMINATION
OF
EAGLE CREEK PROSPECT

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EAGLE CREEK PROSPECT

Examination of Eagle
Creek Prospects

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LYELL - E.Z. - EXPLORATIONS

4th February, 1957

Report on Examination of Eagle Creek Prospect

Dates of Examination: 28th January to 30th January, 1957.

Party Leader: D. Sampey

Personnel Employed: P. Goscombe (student), J. White (bushman) and C. Bradshaw (guide).

Man Days in the Field: 18

Location of Camp: At mouth of Eagle Creek

Transport: Helicopter and motor launch "Yvonne".

Geological Investigation and Findings:

(1) Location of Prospect

The prospect is at approximately 1100 ft. above sea level at point Pillinger 6/20847; , three hours walk from the Eagle Creek camp.

2. The prospect consists of a dump of approximately 20 tons of broken rock stacked on the south side of the creek bed and overgrown by dense horizontal scrub. The rock consists of contorted graphitic and chloritic schists with replacements of coarse-grained pyrite, and some micaceous schist containing no pyrite.

The north bank of the creek is covered with a scree of micaceous schist thickly covered with horizontal scrub.

Fourteen man hours were spent looking for workings from which the dump was taken, but all that could be found were small prospecting holes in the

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bank and also a hole in the creek bed from where the pyritic material was taken.

The outcrop in the creek bed is about 12 ft. long and 6 ft. wide across strike and consists of contorted graphitic and chloritic schist striking 290° and dipping north at approximately 50° . About 50 yds. westwards along strike from this outcrop in the creek bed, there is a fault striking 290° and dipping north at 80° . Drag folding shows the south side to have moved up. The rocks here are micaceous schists but within the fault zone they are chloritic and graphitic.

These schists are Pre-Cambrian and appear to be on the north side of the fault cutting east west just north of the High Plain.

All streams of water within 100 yds. of the dump were tested for Pb, Zn and Cu with dithizone but all gave negative results. These negative results are significant as the run-off was very low.

No accurate survey of the prospect was carried out as the scrub was too dense.

Conclusions:

1. I do not consider that this is T. B. Moore's prospect because:
 - (a) The creek here flows westwards (whilst in T. B. Moore's map of his prospect the creek flows approximately N - S).
 - (b) The elevation here is 1100 ft. not 400 ft. as Moore states as the elevation of his prospect.
 - (c) No yellow clay bank was seen, as at Moore's prospect.
2. Geochemical results indicate that there is no Pb, Zn or Cu mineralisation.
3. The graphitic material should show an electro-magnetic anomaly.

LE 419 1.34% C.

Recommendations:

This area would warrant airborne geophysical work.

D. Sampey

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