

OPEN FILE

PL & refer I DGS

54

Final Report. Prospecting on EL 3145 Kirkimbie yard locality. 10/11/82.

Because of very poor Prospecting results, a Notice to Surrender EL 3145 was submitted with the Quarterly report (Period ending 25-5-82). The surrender notice was accepted and effective from August 12 1982.

only one small Barite Lode was discovered on the area and has been described in the Quarterly report (period ending 25-2-82) and marked on sheet 1 of 3 attached to that report. tests of stream sediments collected from Kirkimbie creek showed only minor traces of Barite & copper.

The whole of the Area has been covered by Air Photo study and the most likely areas checked on the ground and no Barite Lodes of economic importance found.

The small amount of work required to complete the prospecting of EL 3145 was carried out from the base camp set up at Inverway station for the purpose of Prospecting the more promising EL 3144 in the Bingy Bingy Springs locality and our Expenditure for our 1982 Expedition has been charged to it and will be shown in the report on that EL.

Mike I dont think this will be acceptable to DGS we will need to follow it up and supply Turner with guidelines & request expenditure

AJ. & CE Turner

Per ed. J. Turner

DGS

Is this sufficient
Jh.

Final Report Prospecting EL3145 (Part 2)

Mr. A. J. Hosking,
Acting Director,
Northern Territory Geological Survey,
Department of Mines & Energy,
P.O. Box 2901
Darwin NT 5794.

1 Oxford Street,
Woodville Park
S.A. 5011
3-2-83.

Dear Sir,

In reply to your letter (EL3145 AJH/B:349) asking for more information on sample locations I submit the following:-

The stream sample mentioned was collected from the bed of Kirkimbie ck, .5 km downstream from the "Rockhole" as mentioned in my Quarterly Report of 14-8-82. The "Rockhole" is marked on the Photo copy map (Sheet 2 of 3) attached to that Report. The Grid reference of the sample location is 4762-483592 on the 1:100,000 "Napier" sheet (Topographic). A copy of a portion of this map is attached to the above report.

The Copper mentioned was a small piece of Basalt from this location, with a thin coating of Malachite on one side. A search upstream for float yielded no other traces and as minor copper Occurrences are fairly common throughout the Arnhem Plateau Volcanics no further interest was taken.

The Barite mentioned was from the same location and was observed in the fine concentrates (-40 mesh) as a fine white concentrate. This is also a common result of panning stream sediments in this area so was of no great interest.

Final Expenditure Statement:-

Vehicle costs	\$ 2424.
Fuel "	520
Caravan & camping costs	680
Air photos, maps	35
EL Rents etc.	89-50
<u>Total.</u>	<u>\$ 3748-50</u>

Wages A.J. Turner & part time assistant. \$ 3150

We were able and expecting to spend more on this Prospect, but this was not justified because of the disappointing results and the EL was Surrendered after 6 months.

A.J. & C.E. Turner
Per ed. f. Turner.

We have carried out prospecting over much of the northern half of the E.L. area. Please refer to the attached maps.

A search was made to locate a continuation, if any, of the lode which outcrops on ML158 O.P.F. (See sheet 3). The area searched was to the N.W. of Barite floaters which mark the known northern limit of the lode. No Barite was found along this line which was searched to Kirkimbie Creek.

The area is very difficult for vehicle access because of large surface Basalt boulders and considerable time was spent surveying for a vehicle track into the area from which to carry out foot reconnaissance.

The bed & banks of Kirkimbie Creek were prospected with no worthwhile results, and two traverses made to Brown's Creek on the western side of the area.

A small Barite lens was found and is marked near centre of Sheet 1.

The lens is too small to be of economic interest, attaining a maximum width of only 0.7 Metre.

Samples of stream sediment concentrates were collected from the bed of Kirkimbie Creek, about 0.5 Km downstream from the "Rock hole" and are still being examined.

On consideration of results, since the trip and after careful studies of Air Photos, I am now of the opinion that a continuation of the lode outcropping on ML 158 O.P.F. may be more likely found on a trend more westerly than that previously searched. (See sheet 2) and we shall resume work on this after the wet.

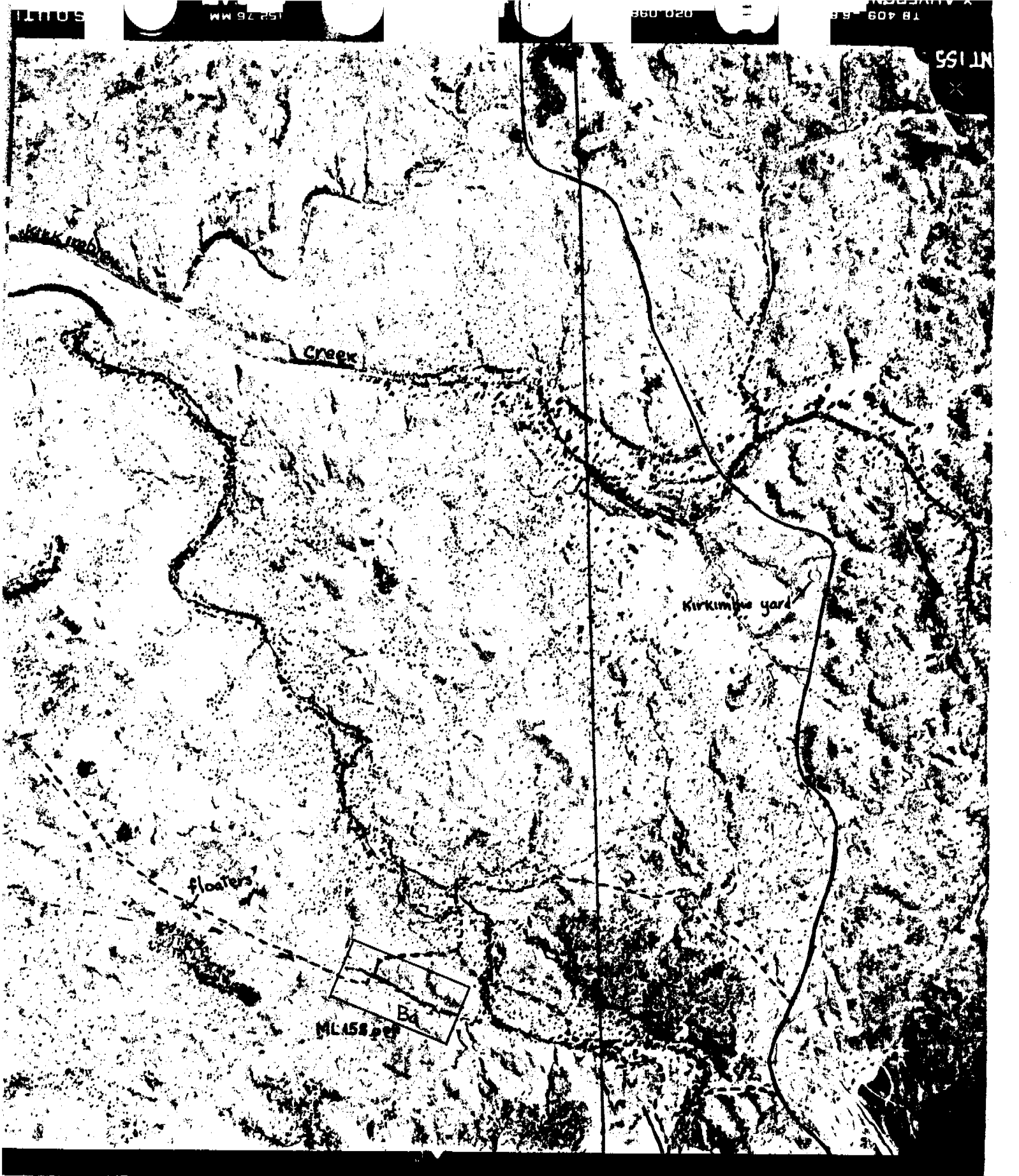
We have also prospected most of the South eastern quarter of the E.L. area and only minor Barite was found.

General:- We took a caravan and Toyota 4wd from Adelaide to the area and set up a base camp at Inverway station from which we travelled to the E.L. area on a series of 2 or 3 day prospecting trips.

A total of 9 weeks was taken and 7800 Km. travelled.

Expenditure estimate:-

Toyota rate @ \$23/day (50% of Private hire rate (Avis Adelaide))	\$ 1449
plus 12.5 cents/Km (" " " " " ")	975
Fuel 1405L @ 37c/l	520
Caravan @ \$50/week	450
" Site rentals	230

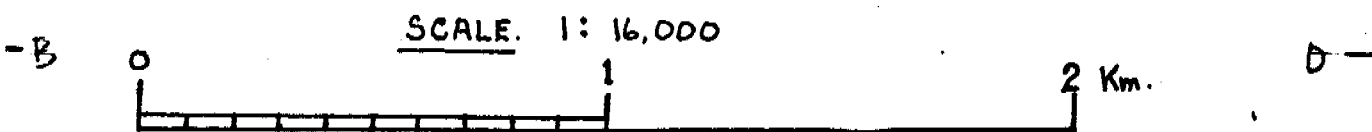


NT 155

EL. 3145

129° 30'

"Inverway"





LEGEND.

B —

Vehicle track. - - - - -

Barite outcrop — — —

possible Barite outcrop (air photo interpretation) — — —

" " trend. (" " ") — — —

attached
to Quarterly
Report
(25-28)

MISTAKE CREEK HS 64 km

