

OPEN FILE

TENNANT CREEK JOINT VENTURE

McDOUALL RANGE GROUP

EXPLORATION LICENCE 7319

"CAROLINE"

PARTIAL RELINQUISHMENT REPORT

ON WORK COMPLETED TO

12 MARCH, 1993

Prepared for

Roebuck Resources NL

by

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Technical Report No. 298

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1. INTRODUCTION AND SUMMARY

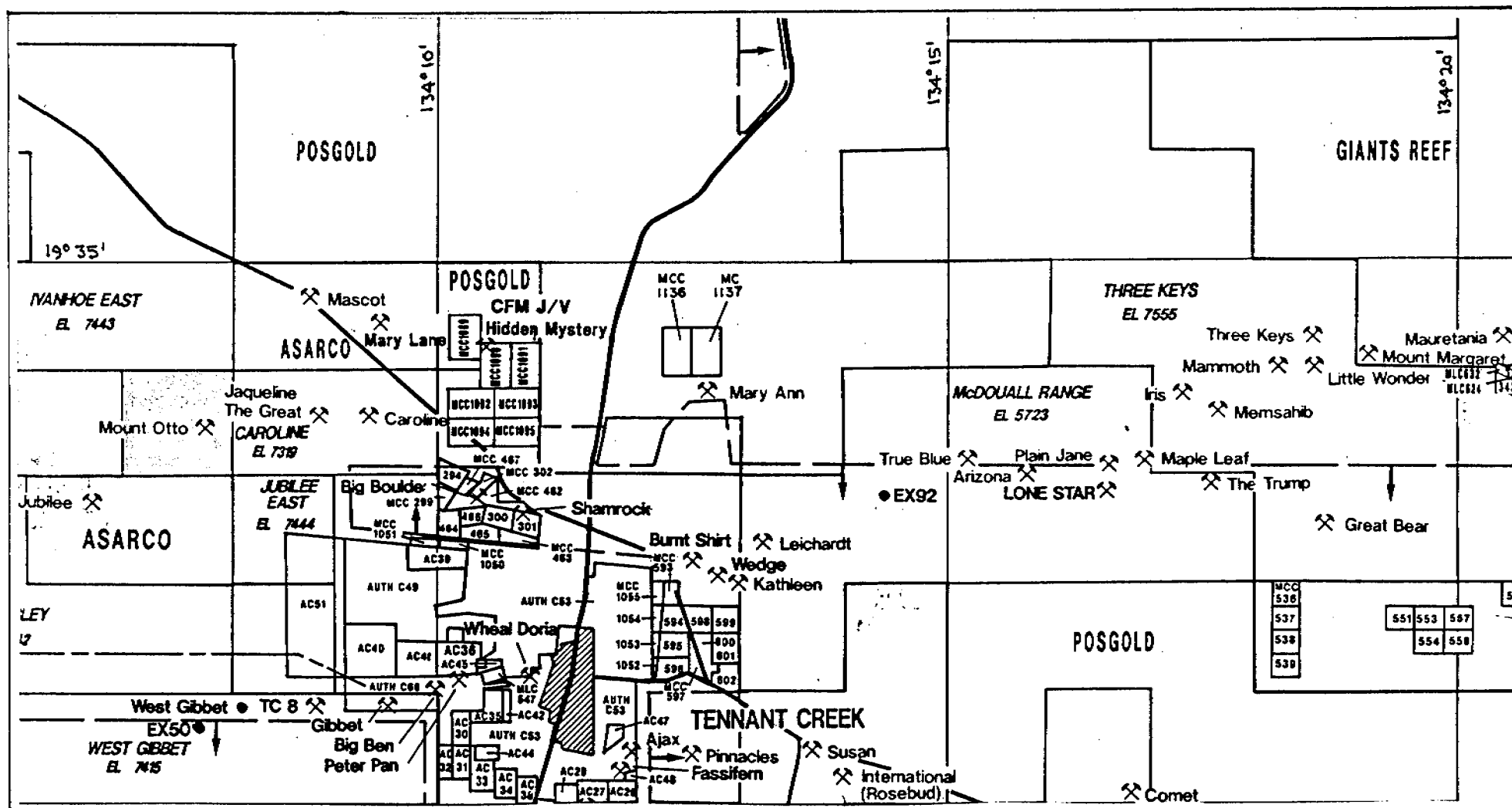
Exploration Licence 7319 "Caroline" was granted to Tennant Creek Gold Limited on 13th March, 1991 for a period of 3 years.

On 18 October, 1991 the tenement was acquired by the Roebuck Resources NL/North Flinders Mines Ltd. Joint Venture under the terms of a Sale Agreement. This agreement provides for Roebuck (n behalf of the Joint Venture) to earn a 70 percent interest in a large group of tenements (including E.L. 7319) by expenditure on exploration and then allows for purchase for cash of the remaining interest under certain circumstances.

Exploration Licence 7319 comprised three graticular blocks totalling approximately 10 square kilometres. Under the terms of granting of the licence one of the graticular blocks held was to be relinquished on 12th March, 1993. Nomination of this graticular block was made on 12th February, 1993.

The relinquished block is shown coloured red on Figure 1.

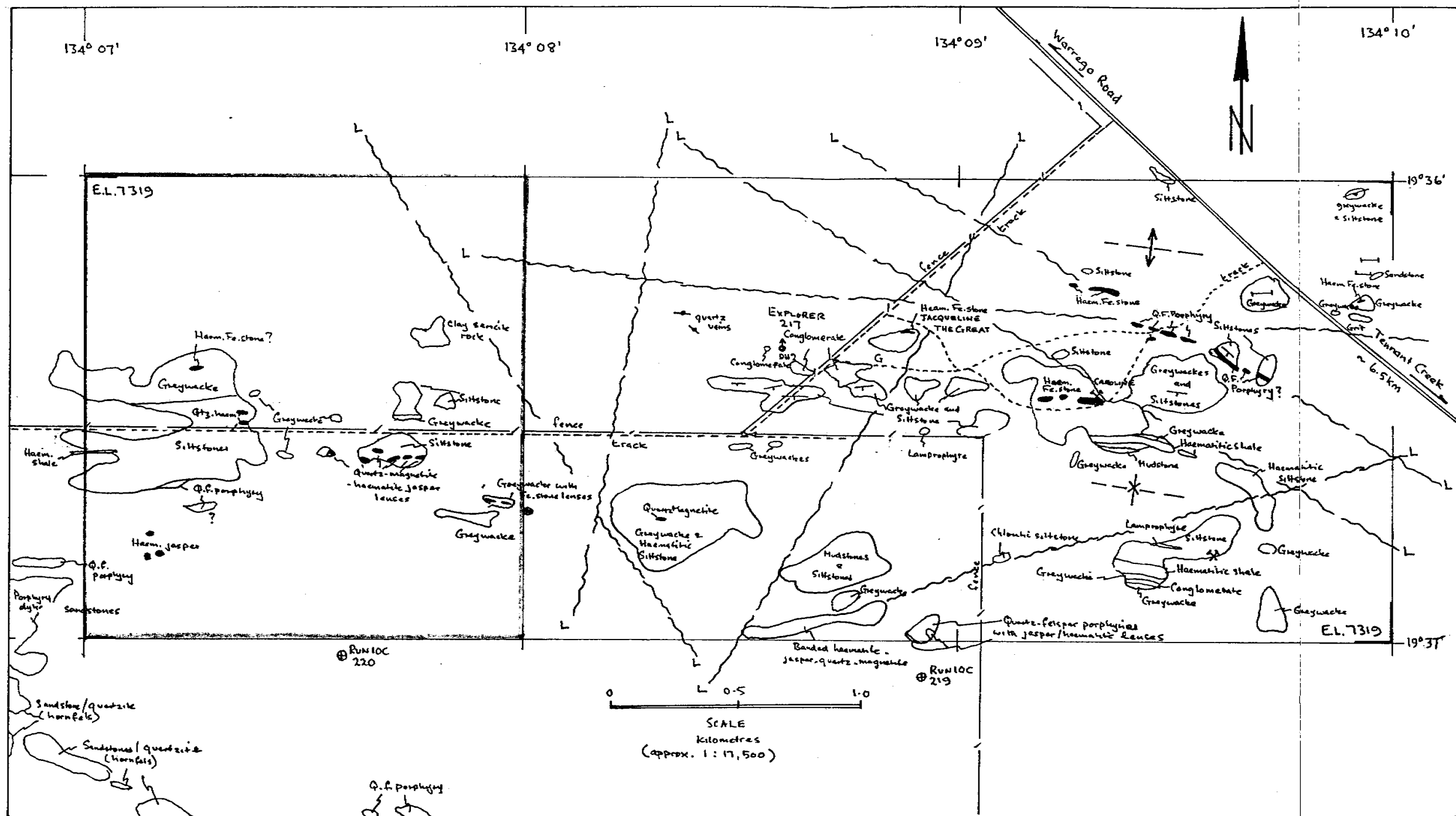
Joint Venture activity on this graticular block has been confined mainly to re-assessment of the results obtained by previous explorers. Figure 2 presents total magnetic contours and interpretation of part of the block. This was completed by Metana Minerals NL. The geology of this block together with the two retained blocks is presented on Figure 3 (the relinquished block is outlined in red).



**McDOUALL RANGE TENEMENT GROUP
LOCATION/TENEMENT PLAN**

Scale 1:100,000

Figure 1



EXPLORER 217 - SUMMARY LOG OF GEOPRO DRILL HOLE DH 2 (1988)

0m to 84m Turbiditic greywacke & siltstone	100.4m to 109.95m Turbiditic siltstone and greywacke.
84m to 90m Lamprophyre	109.95m to 110.45m Quartz-chlorite-magnetite - FAULT ZONE
90m to 97.6m Turbiditic sediments	110.45m to 120.6m Turbiditic sediments with disseminated magnetite
97.6m to 98m Lamprophyre	120.6m to 123.4m Lamprophyre
98m to 98.8m Turbiditic sediments	123.4m to 180m Magnetic turbidites
98.8 to 100.4m Lamprophyre	END OF HOLE.

LEGEND

- Outcrop boundary
- Lineament (photo)
- Vertical cleavage
- Dipping cleavage
- Strike and dip of bedding
- Anticlinal axis
- Synclinal axis
- Location of inclined DH2 Geoprobe drill-hole (1988)
- Runloc 220 Centre of 1:25000 colour aerial photograph.

TENNANT CREEK GOLD LIMITED.

CAROLINE PROSPECT

EXPLORATION LICENCE 7319

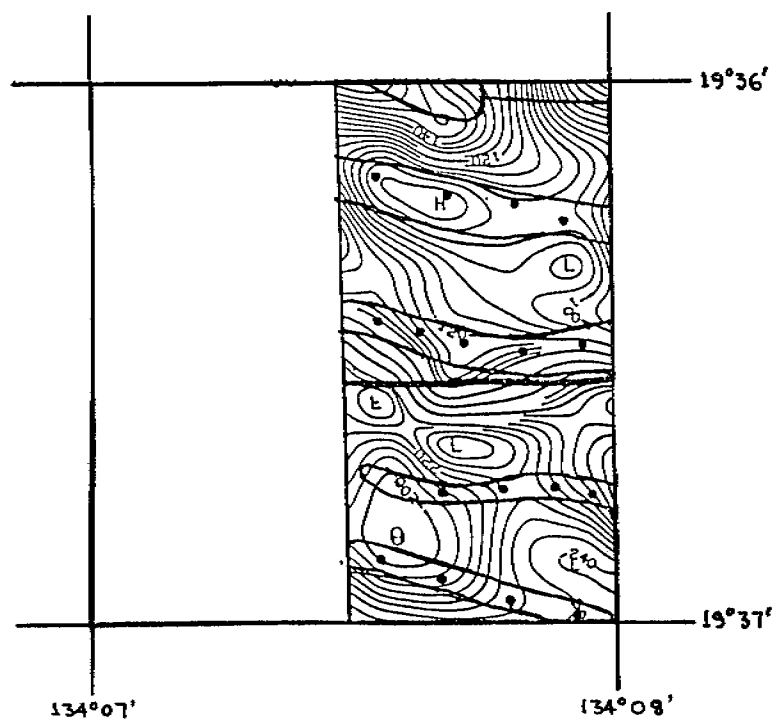
GEOLOGICAL AND LOCATION (ACCESS) PLAN.

Figure 2.

Prepared by K. Fox.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

TOTAL MAGNETIC INTENSITY / INTERPRETATION PLAN OF RELINQUISHED WESTERN BLOCK



Scale
1 : 25,000

FIG 3

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