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## No. 9994

**EL 2755**

**BALTA**

### **PARTIAL SURRENDER REPORT FOR THE PERIOD 9/10/2002 TO 8/4/2003**

Submitted by  
Reedy Lagoon Corp. Ltd  
2003

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REEDY LAGOON CORPORATION LIMITED

PARTIAL RELINQUISHMENT REPORT FOR

EXPLORATION LICENCE No. 2755

FOR THE PERIOD ENDING 8th April, 2003

Date: October 2003 *2755-015-PRELREP.DOC.doc*

Project Name: EDWARD CREEK

Title: EXPLORATION LICENCE No. 2755  
PARTIAL SURRENDER REPORT FOR PERIOD ENDING 9th APRIL 2003

Author: G H FETHERS

1:250,000 sheet name: WARRINA SH 53-3, BILLA KALINA SH 53-7

Keywords: Diamonds; Diamond indicator minerals; DIM

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## 1. INTRODUCTION.

Exploration Licence 2755 is located 30 km west from the William Creek roadhouse. It covers parts of the Warrina and Billa Kalina 1:250,000 map sheets (figure 1). Exploration is being conducted on EL 2755 as part of the Edward Creek Project.

EL 2755 was granted to Reedy Lagoon Corporation Limited ("RLC") on 9th October 2000. It initially covered 1,861 km<sup>2</sup>. An application for a 12 month extension in term of the licence, for a reduced area of 587 km<sup>2</sup>, has been approved and its current expiry date is 8/10/03.

Exploration has been directed to investigate the source to the Diamond Indicator Minerals (DIMs) recovered from previous drilling reported by Stockdale Prospecting Ltd and Metana Minerals NL.

This report covers work completed on the area of EL 2755 which was surrendered on 8 April 2003 during the period 9 October 2000 to 8 April 2003.

## 2. REGIONAL AND LOCAL GEOLOGY.

The region lies within the Gawler Craton and to the south west of the Peake and Denison inliers.

Surface geology within the licence area is dominated by Cainozoic longitudinal sand dunes which overlie Cadna Owie Sandstone (Early Cretaceous) (1:250,000 geological map series).

Limited drill hole information indicates a variable thickness (20 m – 100 m) of Cainozoic and Mesozoic sediments overlying Early Permian Mount Toondina Formation.

## 3. EXPLORATION UNDERTAKEN.

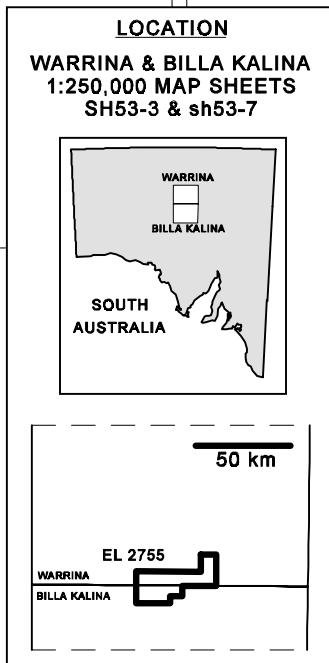
Airborne magnetic data (Boorthanna Trough 1989 – SADME ref.: 89SA04 code wo) recovered by the Metana/Stockdale Prospecting JV ("M/SPL JV") was reprocessed and re-interpreted. The data processing included the generation of images from 6 algorithms selected by the geophysicist from a preliminary assessment of 32 enhancements. Anomalies identified in the 6 sets of images were then investigated by extracting and studying the profiles from the unprocessed flight line data.

No magnetic anomalies considered potentially caused by kimberlite intrusion were identified in the data sets examined. Previous explorers had identified two magnetic anomalies (B9 & B11) (appendix 1) and these were also investigated. No magnetic anomaly was identified.

G H Fethers  
October, 2003.

### References:

- Ambrose, G.J., Flint, R.B. 1980: Billa Kalina, 1:250,000 Geological Series – Explanatory Notes  
Jones, D.R., 1989: Boorthanna Joint Venture, Quarterly Report for period ending 25/07/89 for EL's 1533, 1534, 1552  
Jones, D.R., 1990: Boorthanna Joint Venture, Quarterly Report for period ending 25/4/90 for EL's 1533, 1534, 1552  
Rogers, P.A., Freeman, P.J. 1996: Warrina, 1:250,000 Geological Series – Explanatory Notes



# REEDY LAGOON CORPORATION LTD

'BALTA' - EL 2755 - SOUTH AUSTRALIA

## EDWARD CREEK ('BALTA') PROJECT EXPLORATION LICENCE

### LOCATION



Design File: balt-loc-03.dgn

Date: September 2003

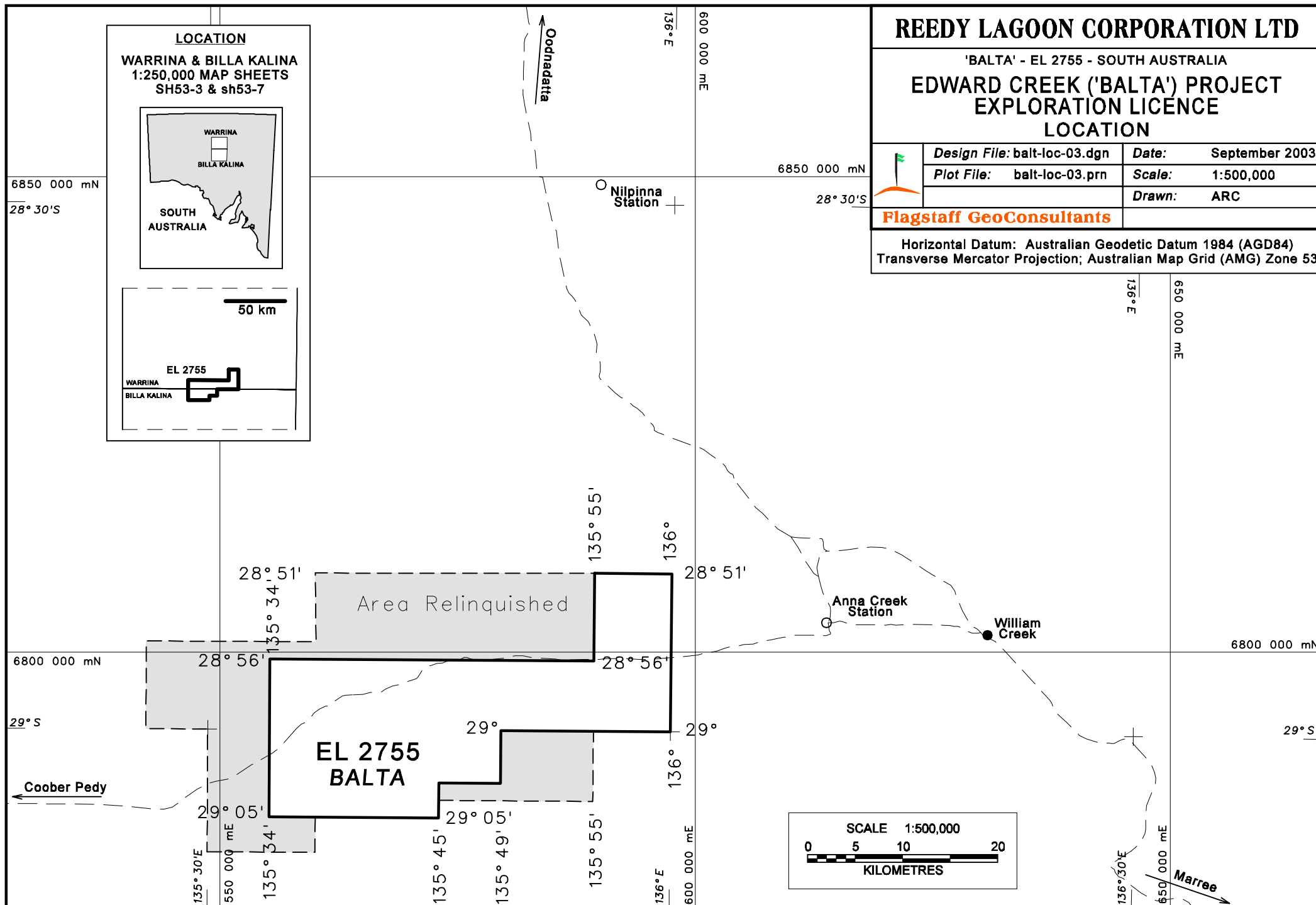
Plot File: balt-loc-03.prn

Scale: 1:500,000

Drawn: ARC

**Flagstaff GeoConsultants**

Horizontal Datum: Australian Geodetic Datum 1984 (AGD84)  
Transverse Mercator Projection; Australian Map Grid (AMG) Zone 53



Reedy Lagoon Corporation Limited  
EL 2755 Partial Relinquishment Report, for period ended 08/04/03

## APPENDIX 1

Complete Anomaly Ledger - over area relinquished from EL 2755 8/4/03

Schedule of anomalies interpreted as potential kimberlite targets.

ANOMALY	PREVIOUS NAME	ANOM. TYPE	EAST	NORTH	mag.profile verdict	previous ground-work summary	comments summary
( nil )	B11	mag.	580532	6800543	reject		no visible anomaly in mag. profile analysis; sand-dune country
( nil )	B9	mag.	571239	6802639	reject		flight line join; on mod-large dry lake (one of many)

Note:- All known identified anomalies are listed under "previuos name";  
many refer to the same anomaly