outbackmetals

ELs 25898, 26934 and 26935

DARWIN RIVER PROJECT

FINAL GROUP REPORT
for the period 7/11/2008 to 29/11/2012

Title holder	Outback Metals Limited
Operator (if different from above)	Outback Metals Ltd
Tenement Manager/Agent	Teneman Consulting
Titles/Tenement	EL 25898, 26934, 26935
Mine/Project Name	Darwin River
Report Title including type of report and reporting period including date	ELS 25898,26934 & 26935 Final Group Report for the period 7/11/2008 to 13/11/2012
Corporate Authors	Outback Metals Ltd
Target Commodity or Commodities	Gold, base metals (uranium, iron)
Date of Report	January 2013
Datum/Zone	GDA 94/Zone 52
250 000K mapsheet	Darwin
100 000K mapsheet	Noonamah
Contact Details Postal Address	33 Lascelles Ave, Hove, SA, 5048
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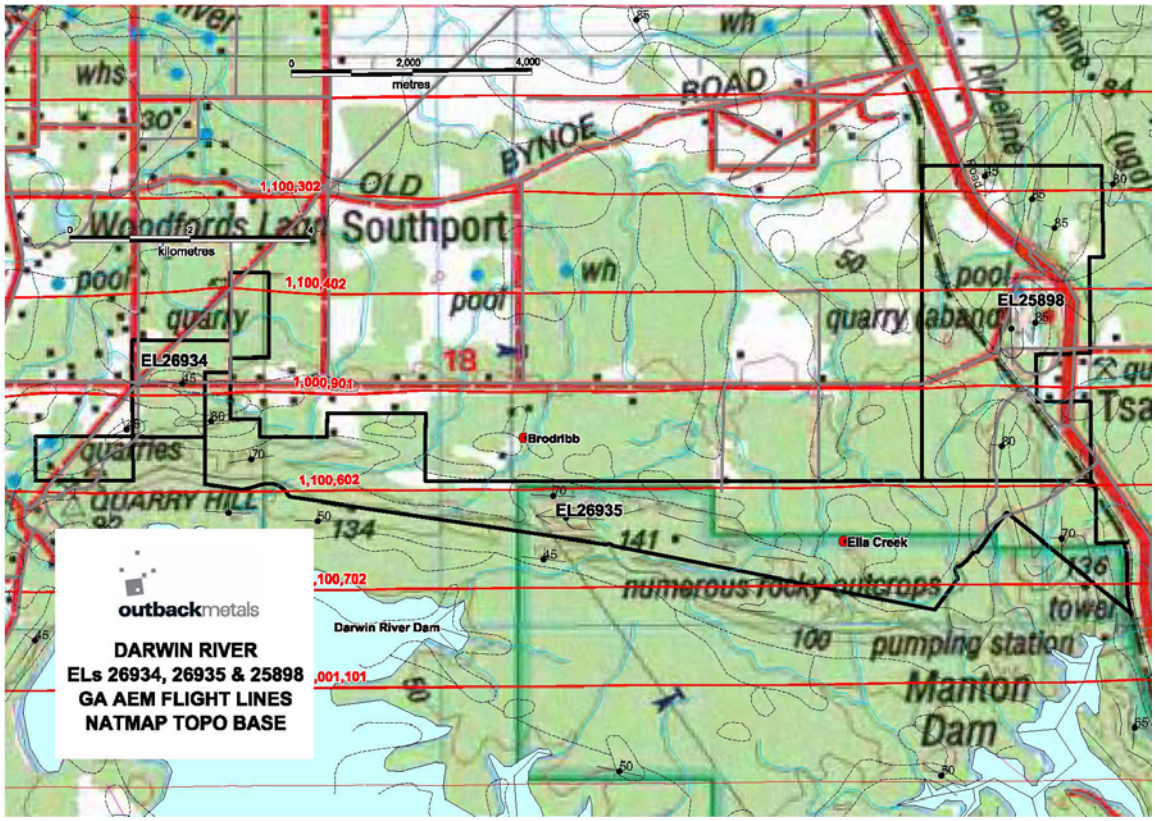
EXECUTIVE SUMMARY

The work undertaken on the tenements during 2012 failed to produce any further encouragement for the project's prospectivity and the licences were surrendered on 29 November 2012.

TENURE, LOCATION AND ACCESS

EL25898 and EL26934 were granted on 7/11/08 to Corporate Developments Pty Ltd (a subsidiary of Outback Metals Ltd) for a term of 6 years. EL 26935 was granted on 21/8/2009 to Corporate Developments Pty Ltd (a subsidiary of Outback Metals Ltd) for a term of 6 years. The titles were transferred to Outback Metals Limited on 5 March 2012.

The project area lies on the northern margin of the Archaean Rum Jungle Complex, approximately 55km south east of Darwin. This area is very accessible via the Arnhem Highway and the Stuart Highway.



GEOLOGY & MINERALISATION

Shales and calcareous cherts of White Formation overlie the Coomalie Dolomite, which is conformably overlain by shales and siltstones of the Wildman Siltstone within interbedded quartzite of the Acacia Gap QuaRtzite member.

Shales, cherts, tuff, iron formation and minor greywacke of the South Alligator Group complete the stratigraphic sequence.

The sediments were intruded by sills of Zamu Dolerite prior to regional deformation at about 1800my. The entire stratigraphy from basement to the top of South Alligator Group has been mapped or interpreted within the boundaries of these ELs. A lateritic duricrust of Tertiary age alluvium and colluvium is well preserved over the entire licence area.

WORK COMPLETED

In May 2011 a reconnaissance visit was made to inspect the iron rich rocks in the Koolpin Formation, particularly the iron ore occurrences in the vicinity of Leonino Road. These include the JC & KC Prospect and exposures in the deep drains flanking the road. Unfortunately due to rank vegetation growth and strong groundwater flows in the drains, sampling had to be deferred until later in the dry season. The sampling was never carried out.

INTERPRETATION OF THE GA AEM DATA

Plots of the flight lines from the 2009 Fugro Geophysics TEMPEST survey show that the project area was covered by five E-W flight lines spaced at about 1.66km apart and fifteen flight lines spaced at about 0.6km apart. A preliminary interpretation of the eight main flight lines is as follows:

Flight Line 1100302
This line crosses the northern part of EL 25898 and strong folded conductors are evident in the Acacia Gap Member of the Wildman Siltstone. These appear as an antiformal structure and may be caused by ironstone or sulphide rich beds.

Flight Line 1100402
This line crosses the northern part of EL 26934 and the middle part of EL 25898. On EL 26934 the profile shows the presence of weak to moderate conductors at depth which appear to comprise a limb of a fold structure. On EL 25898 there is an arch of folded strong conductors similar to those on FL 1100302 that may be located at the Acacia Gap-Koolpin Formation contact and as such are probably caused by ironstones.

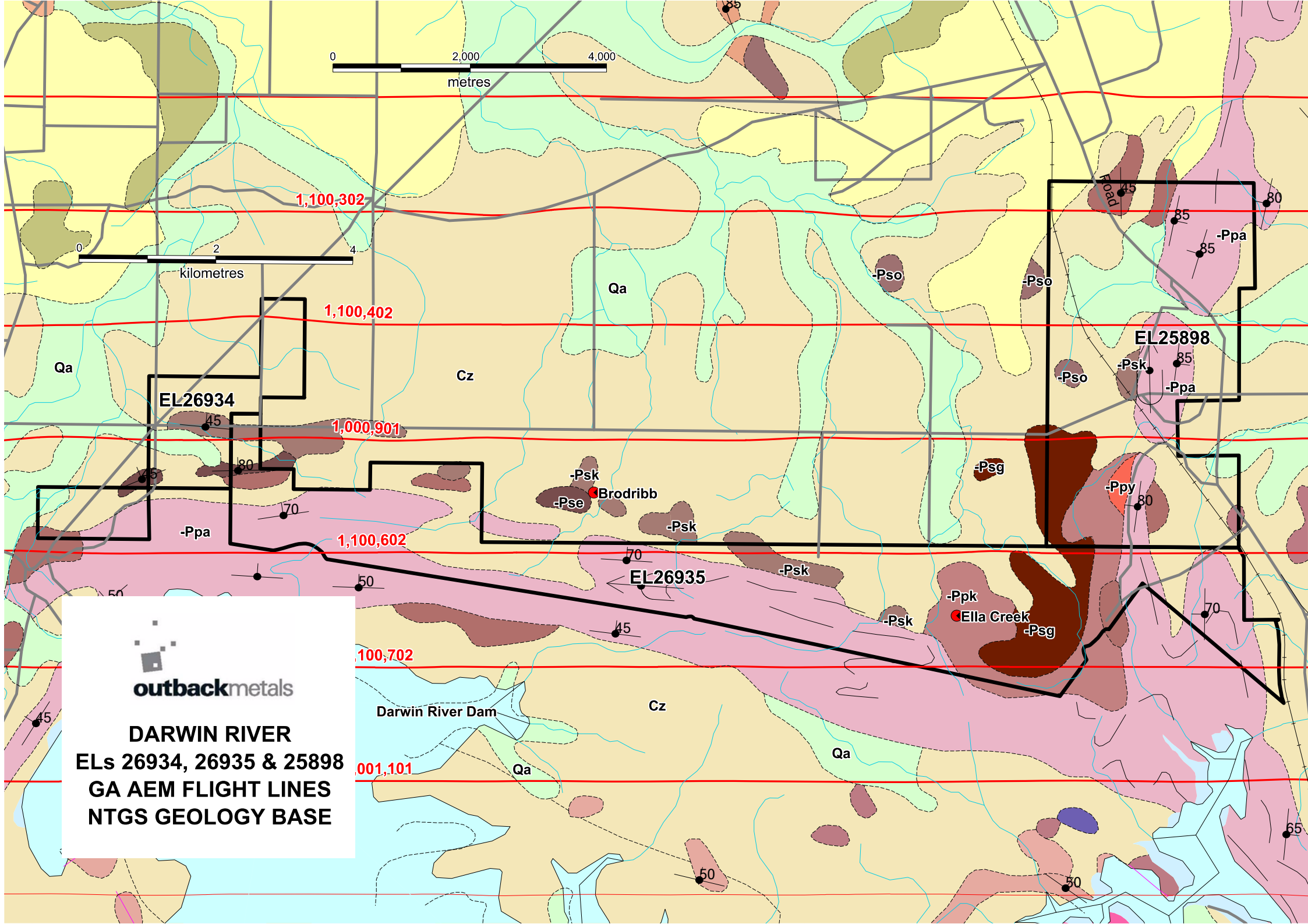
Flight Line 1000901
This line crosses both EL 26934 and the middle part of EL 25898 and strong arched conductors are evident in both areas. Similarly to FL 1100402 the strong responses are probably caused by ironstones in the Koolpin Formation.

Flight Line 1100602
This line passes through the central and northern part of EL 26935 and there are several zones of strong arched conductors probably caused by ironstones in the Koolpin Formation, but the line is now parallel to the strike of both the Koolpin and Acacia Gap.

Flight Line 1100702
This line crosses the south eastern part of EL 26935 and again there are several zones of strong arched conductors.

CONCLUSION AND RECOMMENDATIONS

The work carried out failed to produce any further encouragement for mineralisation within the project are and the tenements were surrendered on 29 November 2012.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Ella Creek
Darwin River Dam
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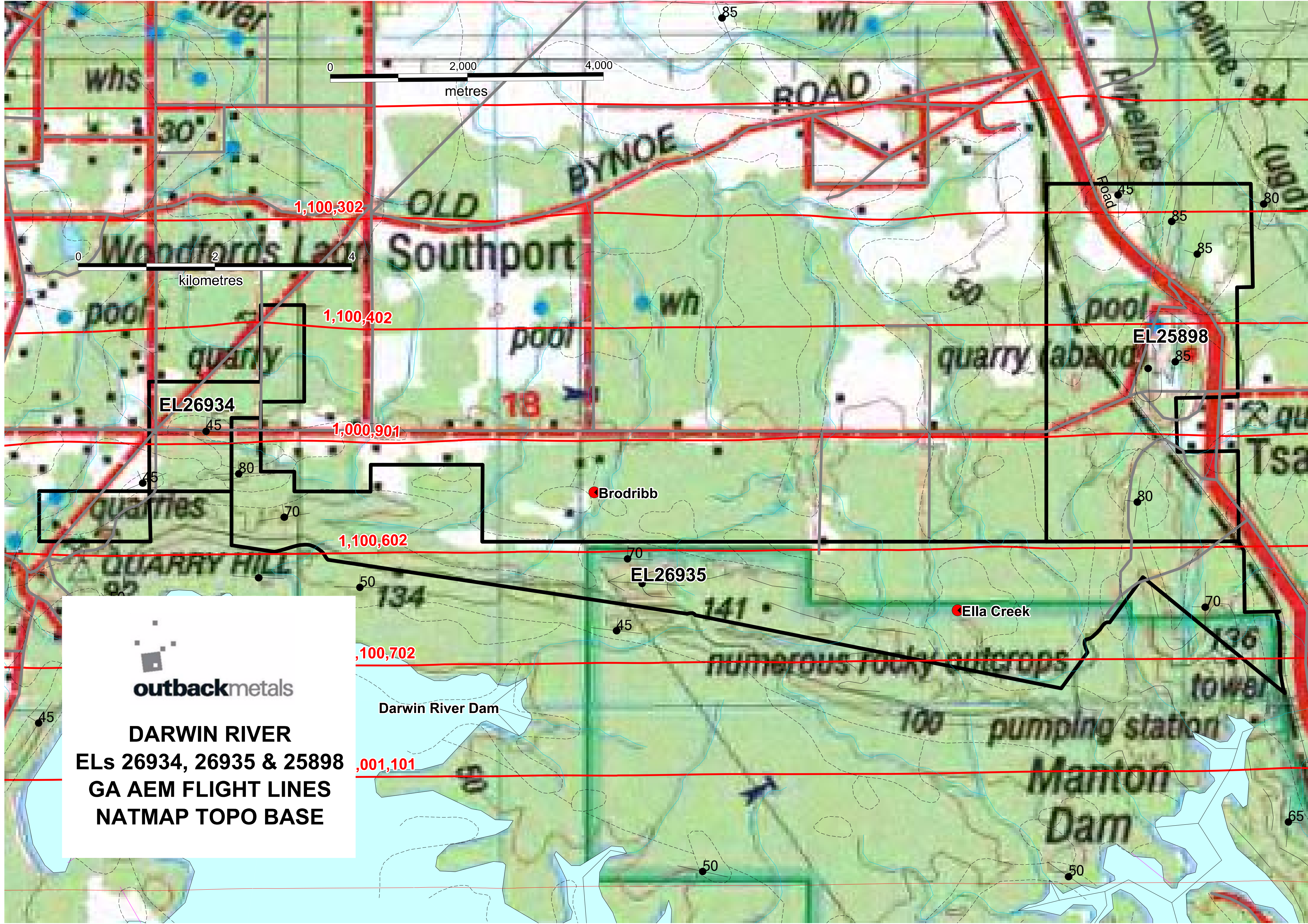
DARWIN RIVER
ELs 26934, 26935 & 25898
GA AEM FLIGHT LINES
NTGS GEOLOGY BASE



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ELs 26934, 26935 & 25898
GA AEM FLIGHT LINES
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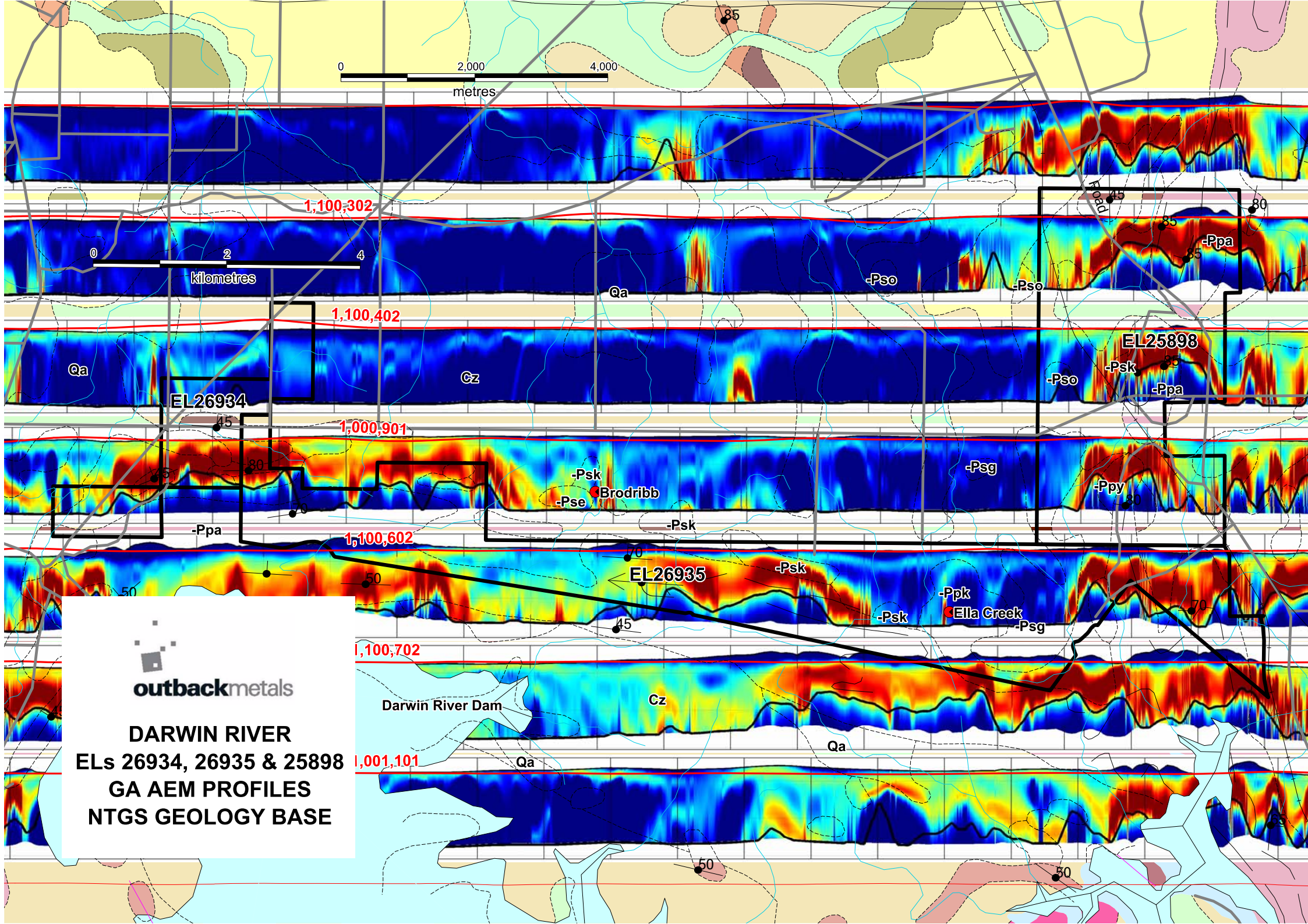
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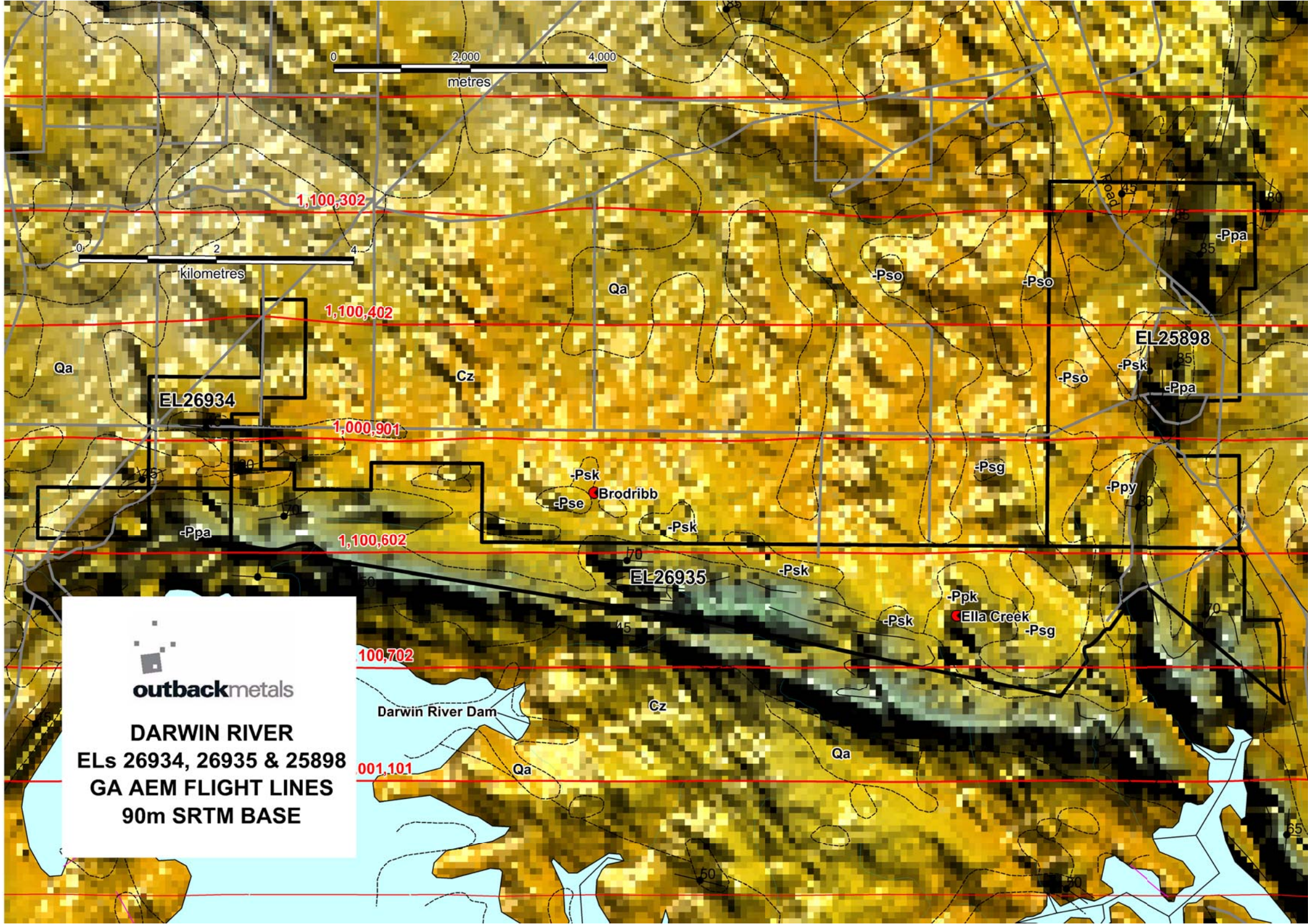
DARWIN RIVER
ELs 26934, 26935 & 25898
GA AEM PROFILES
NTGS GEOLOGY BASE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EL25898
Brodribb
Ella Creek
Darwin River Dam
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DARWIN RIVER
ELs 26934, 26935 & 25898
GA AEM FLIGHT LINES
90m SRTM BASE