

Cameco Australia Pty Ltd

Exploration summary table for EL3106 (Arrarra) for April 2004 to April 2005

Reporting Period	Location	EL Name	Work	Type	Contractor	Quantity	Specification	Objective	Result
1/05/2004 to 1/05/2005	Entire tenement	EL3106	Exploration sampling	Outcrop infill sampling (sandstone and basement)	NA	54 samples	Infill of grid from 2003 for background geochemical signature.	Collect samples from sandstone and basement outcrop for baseline geochemistry analysis and determination. To locate any regional alteration anomalies.	Background values for various formations (including regolith) determined. No major uranium mineralisation indicated, but minor elevated uranium occurs around the known prospects and at a number of other dolerite, metasedimentary and sandstone outcrops. Thorium in Mamadawerre Sandstone is probably related to heavy minerals. Sericite is almost ubiquitous in sandstone, overprinted by weathering related clays.
1/05/2004 to 1/05/2005	Entire tenement	EL3106	Exploration sampling	Outcrop prospect and anomaly follow up sampling (sandstone and basement)	NA	17 samples	Collected at various sites throughout tenement with pre-existing anomalism or were identified on new airborne data as being anomalous	Collect samples from sandstone and basement outcrop for geochemical analysis, petrography and PIMA analysis. To ascertain local mineralisation style.	Weathering has texturally modified basement outcrops. Some prospects characterised by 'reddening' while others have intense chlorite-sericite alteration. Two Knobs, Running Creek, Injardil, Yibulin, Monarch Hill and Mamurri Hill showed uranium anomalism up to 10 times background. Only minor radioactivity found at Arrarra prospect.
1/05/2004 to 1/05/2005	Entire tenement	EL3106	RAB drilling	Shallow blade refusal and minor hammer bit drilling in regolith covered areas	Underground Diamond Drillers	314 holes for 4341 m & 356 samples	Regional grid over most of tenement with some areas of more dense drilling around historic and newly defined radiometric anomalies	Determine bedrock geology, identify blind anomalies and alteration systems, and to geochemically characterise existing prospects with a modern multi-element suite and PIMA.	Low grade Nourlangie Schist in western half of tenement and higher grade Myra Falls Metamorphics in eastern half, divided by probable fault. Zamu Dolerite (amphibolite) throughout. Largely confirmed Tempest-defined distribution of Mamadawerre and Oenpelli. Regolith profile documented. 'Background' rock geochemistry determined. Lithologic, alteration, geochemical, Pb isotopic, spectral and petrographic characteristics of main prospects defined. Some new geochemical and alteration anomalies identified.
1/05/2004 to 1/05/2005	various	EL3106	Petrography	Preparation and description of thin-sections	Pontifex and 'in house'	44 RAB and 18 outcrop	Standard and polished thin sections of basement and sandstone outcrop samples	Provide qualitative assessment of lithologies, alteration and mineralisation at main prospects and anomalous sites.	Various rocktypes and alteration distinguished, which greatly improved the understanding of local stratigraphy and the quality of RAB logs. Chlorite and sericite alteration recognised at a number of prospects and some new alteration anomalies defined.