

Table 3 Exploration summary for Muralidbar, partly including work carried out in original EL3347										
Reporting Period	Location	EL Name	Work	Type	Contractor	Quantity	Specification	Objective	Result	Reference
1/07/1997 to 1/07/1998	Cadell	EL3347	Aerial photography	10k colour	Quasco	768 sq km; 507 line km	Aircraft flown at 1700m; 17 E-W lines across entire tenement	Map surface geology, identify faults (and displacements), and generate targets using geology.	Used for navigation.	Unknown; not referenced in annual report
1/07/1997 to 1/07/1998	Cadell	EL3347	Geophysical survey	Airborne magnetics, radiometrics, DEM	Geoterrex	8500 line km	Helicopter borne; 100 m spaced; NS lines; 60 m flying height; 120 km/h; GR820 c 16 l xtal	Map surface, bedrock & basement geology, Identify faults (and displacements). Generate targets using geology.	127 high U targets generated that need to be field checked & validated.	Alonso & Kastellorizos (1998)
1/07/1997 to 1/07/1998	Cadell	EL3347	Radiometric anomaly follow up	Helicopter assisted ground checking with scintolometer	NA	67	Scintolometer (spp2) reading; geochemical assay (separate entry)	To identify the source of various radiometric anomalies.	No primary U mineralisation found. Anomalies relate to either: weakly uraniferous sandstone or basement, ferruginous laterite, thorium accumulations in bedrock, kaolinitic laterite and blacksoil springs.	Alonso & Kastellorizos (1998)
1/07/1997 to 1/07/1998	Cadell	EL3347	Rockchip geochemical analysis	Helicopter assisted ground checking of radiometric anomalies	Ultratrace	72	U (ppm), Th (ppm), Au (ppb), Pd (ppb), Pt (ppb) - not all samples analysed for all elements	To determine the geochemical character of various radiometric anomalies.	No primary U mineralisation found.	Alonso & Kastellorizos (1998)
1/07/1998 to 1/07/1999	Cadell	EL3347	Drilling	Heli-assisted Diamond Core.	UDD	1	KBW5 (209.5m)	Test various targets in the tenement	Sandstone is silicified and bleached with pebbly base. Basement is 95% weakly foliated porphyritic (megacrystic) Nimbuwah granite, with minor aplite, pegmatite, metasedimentary gneiss enclaves.	Kastellorizos (1999)
1/07/1998 to 1/07/1999	Cadell	EL3347	Gamma ray	Downhole	NA	1 holes	KBW5; natural gamma	Identify radiometric intervals in drill holes.	Only minor radioactive intervals	Kastellorizos (1999)
1/07/1998 to 1/07/1999	Cadell	EL3347	Drillcore geochemical analysis	Drill core composite & spot samples	Ultratrace	xxx	KBW5; U, Th, Pb, P2O5, MgO, K2O, Fe2O3, B, Al2O3	Identify mineralised intervals in drill holes.	No mineralised intervals	Kastellorizos (1999)
1/07/1998 to 1/07/1999	Cadell	EL3347	PIMA	Drill core samples	NA	vvvv	KBW5; Std PIMA device: raw spectra (DSP & FOS) and TSA & TSG files; semiquantitative table	Characterise clay altered intervals in drill core.	Common kaolinite with minor sericite and chlorite.	Kastellorizos (1999)
1/07/1998 to 1/07/1999	Cadell	EL3347	XRD	Drill core samples	NA	zzzzz	KBW5; Modal data; semiquantitative; DSP & FOS files	Characterise clay altered intervals in drill core.	Common quartz and muscovite, with lesser kaolinite, and minor haematite, chlorite and goethite.	Kastellorizos (1999)
1/07/1999 to 1/07/2000	Daniel Fault	EL3347	EM	Nano-TEM	Zonge Engineering	5 lines for 7.5 km	Ground based ' in loop'; 50x50 m transmitter loop; 10x10 m receiver loop; 50 m station spacing	Map the base of Kombolgie Subgroup and find offsets or alteration zones along Daniel Fault that may signify the U mineralising process.	Cross-sections presented, but no interpretation made by Afmex.	Fabray et al (2000)
1/07/1999 to 1/07/2000	Cadell	EL3347	Radiometric anomaly follow up	Helicopter assisted ground checking with spectrometer	NA	9	Spectrometer (GR310) reading only; no geochemical analysis	To identify the source of various radiometric anomalies.	No primary U mineralisation found. Anomalies relate to ferruginous laterite and soil.	Fabray et al (2000)
1/07/1999 to 1/07/2000	Cadell	EL3347	Stream sediment geochemistry	Helicopter assisted	NA	67	minus 80 mesh bulk samples; U, Th, Au, Pt, Pd, As, Co, Cu, Ni, Pb, V, Zn.	To detect any Au & U mineralisation that is not evident in radiometric images.	Results generally not anomalous. Anomalies relate to ferruginous laterite and soil on Nungbalbarri Volcanics.	Fabray et al (2000)