

**Cameco Australia Pty Ltd**  
**Wellington Range EL 5893 - Exploration Summary**

	Category	Activity	Contractor	Coverage	Objectives	Results
2004	Geophysics	Airborne Radiometrics and Magnetics	UTS Geophysics	200m lin spacing, 3021 line km. Regional coverage of the tenement.	Identify any areas of anomalous radioactivity that may be attributed to U mineralisation and to provide another tool for the identification of stratigraphic patterns.	13 radiometric anomalies identified requiring ground follow-up
		Hymap Mk 1	De Beers	870 sq km	To obtain continuous clay alteration patterns over the entire area, to discriminate lithologies and possibly alteration haloes indicative of U mineralisation	
	Outcrop Sampling	Airborne radiometric anomaly follow-up	NTEL	15 stations with 10 samples evaluating 8 ARAD anomalies.	Ground check and validate the response from the airborne radiometric survey.	Anomalies consisted dominantly of pebbly bands and conglomeratic units within Mamadawerre Sandstone, with other anomalies relating to drusy quartz veining within fractured sandstone in close proximity to Cretaceous and ferricrete, one anomaly relating to exposed ferricrete and laterite and one relating to swampy black soils.
		Regional Background Sampling	NTEL	89 samples	Obtain regional background geochemical, lithological, petrological and physical characteristics of the exposed rock units and define limits for anomalous alteration and chemistry; may define anomalous areas that may be associated with unconformity-style U mineralisation	Regional coverage of the sandstone exposure with approximately one sample per one square kilometre of outcrop and samples of exposed basement rocks where available
		PIMA - outcrop samples	Cameco	96 readings on samples	To define areas of clay alteration which may be attributable to U mineralisation.	Dominantly dickite clays with subdominant illite group clays and minor kandite clays.
	Research	Petrographic Descriptions	Pontifex and Associates	6 petrographic sample descriptions	Identify by petrographic means the composition of key samples, and give an indication of the accessory minerals.	Six samples described with accompanying report.
2005	Geophysics	TEMPEST Survey	UTS	most of tenement	identification of conductivity highs, determine topography of unconformity, determine depth to basement	
	Outcrop Sampling	single sample	single sample		background sampling	2.63 ppm U
	Aeromagnetic Interpretation		Southern Geoscience		identify prospective stratigraphy and possible structural controls	