

Cameco Australia Pty Ltd

EL23462 - Summary of Exploration Work over the area proposed for relinquishment

Category	Activity	Year	Contractor	Coverage	Objectives	Results
Geophysics	TEMPEST: Airborne EM	2002	Fugro	193 line km in 2 areas	To obtain information beneath the sandstone, and identify if possible the unconformity profile and conductive targets.	200m line spacing
	Airborne Multispectral Survey (AMS)	2002	De Beers	419 sqkm as part of of larger survey	To obtain continuous clay alteration patterns over the entire area, to discriminate lithologies and possibly alteration haloes indicative of U mineralisation	
Lithogeochemistry	Outcrop Samples	2002	NTEL	135 samples	Obtain regional background geochemical, lithological and petrological and physical characteristics of the exposed rock units. Anomalous samples also collected to determine rock characteristics.	
Research	Petrographic Samples - Outcrops	2002	Petrographics International	135 samples		
Geophysics	TEMPEST: Airborne EM	2004	Fugro	1785 line km over about two-thirds of the tenement	To obtain information beneath the sandstone, and identify if possible the unconformity profile and conductive targets.	Conductive unconformity has been imaged and several new faults have been identified including unusual conductive ridges (i.e. Ranger Fault). 13 targets identified along with two priority regions in the north, which are bounded by northerly and northwesterly oriented faults. Along with graphitic lithologies, there is some indication that TEMPEST may also be used to identify granite.
Geophysics	Detailed airborne magnetic- radiometric-DTM survey	2005	UTS Geophysics Pty Ltd	976 line km mainly over the Dog Leg, Devil's Elbow, Ferricrete and China Block prospects, however a few lines also passed over the area proposed for relinquishment.	To enhance the resolution of radiometric and magnetic features/structures and anomalies along the Kukalak Valley and in the China Block fault system	The resolution of radiometric and magnetic features/structures and anomalies along the Kukalak Valley and in the China Block fault system was successfully enhanced and a number of anomalies were identified for follow-up.