

Cameco Australia Pty. Ltd.

Goomadeer EL's 5892, 2858 - Outcrop Station Descriptions

Station	AGD 66 Zone 53 (metres)			EL Name	Geomorphology	Outcrop Description	Formation	Lithology	Sed_structure	Gamma Cps (bkgd)	Gamma Cps (max)	Comments
	Easting	Northing	RL (asl)									
GD030200	367065	8653317	40	EL 5892	low linear outcrop next to sandy creek	low rock bench of sheared foliated basement rock	Nimbuwah Complex	sheared quartz-feldspar gneiss		50	50	small parasitic kink folding (4cm frequency) mineral alignment parallel to main shear trend
GD030201	367128	8653053	94	EL 5892	linear resistant ridge	top of resistant prominent ridge of sheared foliated basement with trace green mineral smeared on fracture planes	Nimbuwah Complex	sheared quartz-feldspar gneiss		50	50	unknown green - turquoise mineral smeared on fracture planes and disseminated
GD030202	367169	8653001	98	EL 5892	linear resistant ridge	top of resistant prominent ridge of sheared foliated basement	Nimbuwah Complex	sheared quartz-feldspar gneiss		65	65	more micaceous than 0200, 0201. Purple hematite and bleached blotches. Redox zone very close to projected u/c
GD030203	367192	8652824	118	EL 5892	edge of sandstone escarpment	rubbly scree covered unconformity at base of sandstone escarpment	Mamadawerre Sandstone	quartz feldspar gneiss and c-g sandstone		45	45	20cm basal pebble to cobble conglomerate overlying basement unconformity
GD030204	367327	8652865	74	EL 5892	valley between two linear ridges	subcropping pristine basement rock between linear ridges of sheared basement	Nimbuwah Complex	porphyroblastic granitic gneiss		45	45	non-disrupted benign Pxn between two linear sheared ridges
GD030205	352010	8661798	78	EL 5892	sandy timbered plain with low flat topped hills	subcropping basement within pesolite covered sands	Nimbuwah Complex	granitic gneiss		110	200	arad anomaly 200m to north of outcrop. Ferrigenous pesolites scattered over sand
GD030206	347074	8666740	66	EL 5892	edge of sandy timbered plains and swampy floodplain	subcropping basement	Nimbuwah Complex	leucocratic granitic gneiss		100	130	
GD030207	365760	8668433	35	EL 2858	sandy timbered plain	low subcropping boulders of granitic gneiss	Nimbuwah Complex	weakly foliated granitic gneiss		60	60	
GD030208	372423	8677442	23	EL 2858	scree slope from flat topped ridge sloping onto floodplain	allochthonous boulder of granitic gneiss within Cambrian sandstone scree	Nimbuwah Complex	weakly foliated luocratic granitic gneiss		50	50	single float boulder of basement rock at base of scree slope
GD030209	370550	8674020	20	EL 2858	rubbly small ridge on edge of flooplain and sandy timbered plain	rubbly strongly foliated micaceous granitic gneiss	Nimbuwah Complex	strongly foliated muscovitic granitic gneiss		65	85	
GD030210	370660	8673988	23	EL 2858	rubbly small ridge on edge of flooplain and sandy timbered plain	rubbly micaceous granitic gneiss	Nimbuwah Complex	strongly foliated muscovitic granitic gneiss		50	50	local small scale assymetric folding and some contortion of foliation by pegmatites and partial melts.
GD030211	360583	8662718	48	EL 2858	series of small pinacles on sandy plain	vague to weakly foliated granitic gneiss boulders and rubble	Nimbuwah Complex	weakly foliated leucocratic granitic gneiss		50	50	old camp site with pots and kettle on top of rocky knob
GD030212	361769	8661210	50	EL 2858	series of small pinacles on sandy plain	non-foliated pinkish granitic gneiss rubbly hill surrounded by intrusive phenocrystic granitoid	Nimbuwah Complex	non-foliated slightly altered granitic gneiss		80	80	granitic gneiss displays some alteration effects from the phenocrystic granitoid intrusion surrounding the outcropping gneiss.
GD030213	355634	8652173	59	EL 2858	sandy timbered plain	non-foliated crystalline granodiorite boulders and subcrop	Nimbuwah Complex	non-foliated granodiorite		50	50	
GD030214	364516	8653821	57	EL 5892	sandy timbered plain with boulders and rubble covering small knoll	rounded boulders of well foliated granitic gneiss	Nimbuwah Complex	granitic gneiss		180	180	thin (<3cm) cross cutting pegmatoid veins
GD030215	363894	8653744	58	EL 5892	bottom of dissected sandstone escarpment with fallen blocks and scree. Rainforest vegetation vines and spiders and things	small scale trough cross bedded sandstone forms small sheer faces at base of escarpment	Mamadawerre Sandstone	medium grained sandstone	small trough cross beds, thin beds	105	105	pebbly bands up to 5cm thick (avg clast size 13mm) in proximity to sample,
GD030216	363916	8654143	61	EL 5892	shallow gully within sandy timbered plain	bleached and clay altered sandstone rubble at base of gully	Mamadawerre Sandstone	clay altered sandstone rubble		90	90	not sampled, clay altered and bleaching possibly due to water, material is rubbly float with no specific source
GD030217	362784	8652085	105	EL 5892	edge of sandstone escarpment with sheer cliff falling to sandy timbered plain	castellated and rugged tilted sandstone intersected by thin quartz veins and siliceous deformation bands at edge of escarpment	Mamadawerre Sandstone	pebbly granule stone	large scale trough cross beds	85	85	slickensides on siliceous deformation bands indicate sinistral movement with a minor dip slip component. Deformation bands are oblique to main interpreted structure tracing the edge of the escarpment.