

Cameco Australia Pty. Ltd.**Beatrice Project EL 24291 - Sample & Mapping points descriptions and properties****Beatrice Project EL 26796**

Sample Number	Station type	Formation	Rock type	Lithology
C010001	ASSAY	Pxn	Quartz Breccia	Quartz breccia + granitoid
C010002	ASSAY	Pxn	Granite	Chlorite rock - granite. Micaceous + siliceous.
C010003	Mapping	Pxn	Granite	Clay weathered granitoid
C010004	ASSAY	Pxn	Granite	Chloritised and hematized granitoid
C010005	ASSAY	Pxn	Granite	Foliated granite
C010006	ASSAY	Phe	Sandstone	Coarse-grained sandstone
C010007	ASSAY	Phe	Sandstone	Coarse-grained sandstone
C010008	ASSAY	Phe	Sandstone	Silicified, hematized, fine-grained sandstone, U secondaries
C010009	ASSAY	Phe	Sandstone	Fine-grained hematized sandstone, U secondaries
C010010	Mapping		Sandstone	Gossanous float/scree
C010012	ASSAY	Phe	Sandstone	Coarse-grained sandstone
C010013	ASSAY	Phe	Sandstone	Coarse-grained white sandstone
C010014	ASSAY	Phe	Sandstone	Coarse-grained sandstone
C010015	ASSAY	Cz	Cretaceous	Black soil
C010016	ASSAY	Phe	Sandstone	Hematized sandstone
C010017	Mapping	Cz	Cretaceous	Black soil, floodplain
C010018	ASSAY	Phe	Pebbly Sandstone	Pebbly sandstone
C010019	ASSAY	Phe	Sandstone	Hematized sandstone (float)
C010020	ASSAY	Phe	Sandstone	Sandstone. Lots of drusy quartz (large crystals)
C010021	ASSAY	Pdo	Dolerite	Plagioclase-porphyrritic dolerite with minor oxidation and alteration to sericite-limonite-leucoxene.
C010022	ASSAY	Phe	Sandstone	Coarse-grained sandstone
C010023	ASSAY	Phe	Sandstone	Medium-grained sandstone
C010024	ASSAY	Phe	Sandstone	White sandstone
C010026	ASSAY	Phe	Sandstone	Fine-medium grained hematized sandstone
C010027	ASSAY	Phe	Sandstone	Sandstone
C010028	ASSAY	Pdo	Dolerite	Porphyritic dolerite
C010029	ASSAY	Pxn	Granite	Moderately foliated granite
C010030	ASSAY	Phe1	Sandstone	Coarse-grained sandstone, just above u/c.
C010031	ASSAY	Phe	Sandstone	Sandstone rubble on surface.
C010032	ASSAY	Phe	Sandstone	Sandstone
C010034	ASSAY	Phe	Sandstone	Fine-grained sandstone
C010035	ASSAY	Phe	Sandstone	Weakly brecciated and fractured sandstone
C010036	ASSAY	Pxn	Granite	Heterogeneous mass of partly porous sericite/illite-limonite of uncertain origin, but apparently quartz-free. Incorporates scattered subhedral goethite-zoned replicas after (oxidised pyrite).
C010037	ASSAY	Pxn	Sandstone	Coarse-grained granite? - float
C010038	ASSAY	Phe1	Sandstone	Coarse-grained sandstone
C010039	ASSAY	Pxn	Granite	Coarse-grained granite - subcrop or float - not outcrop.
C010040	ASSAY	Pxn	Granite Gneiss	Massive limonite-stained clay-sericite with residuals of small elongate quartz grains. Interpreted as an altered fine to medium-grained granitoid gneiss. Local quartz-sericite vein.
C010041	ASSAY	Phe	Sandstone	Coarse-grained hematized sandstone - float.
C010042	ASSAY	Phe	Sandstone	Sandstone - isolated float boulder
C010043	ASSAY	Pxn	Granite	Extremely weathered granite - subcrop.
C010044	ASSAY	Phe2	Sandstone	Silicified sandstone
C010045	ASSAY	Phe	Sandstone	Coarse-grained quartz-veined sandstone - structure?
C010046	Mapping	Phe	Pebbly Sandstone	Pebbly layer in sandstone
C010047	ASSAY	Phe	Pebbly Sandstone	Pebbly layer within sandstone
C010048	Mapping			ARAD 5 - no outcrop.
C010050	Mapping	Pxn	Granite	Weakly foliated granite
C010051	Mapping	Pxn	Granite	Unaltered granite
C010201	ASSAY	Pxn	Quartz Breccia	Breccia with sub-rounded clasts of low-temperature hydrothermal quartz \pm sericite within minor limonitic matrix of microcrystalline quartz \pm limonite, including minor limonitic boxwork possibly derived from altered possible arsenopyrite and/or py - subcrop
C010202	ASSAY	Pxn	Quartz Breccia	Quartz Breccia - subcrop. Specular hematite.
C010203	ASSAY	Pxn	Quartz Breccia	Complex breccia with fragments of sericite-quartz-hematite-leucoxene alteration in contact with areas of coarser prismatic quartz \pm interstitial sericite. Also veins of columnar quartz partly nucleated on lenses and small patches of sericite and/or fine-
C010204	ASSAY	Pxn	Quartz Vein	Quartz Breccia + Quartz veined granite - float
C010205	ASSAY	Pxn	Quartz Breccia	Quartz Breccia + granite
C010206	ASSAY	Pxn	Granite	Quartz-veined granite, weathered
C010207	ASSAY	Pxn	Granite	Granite + quartz breccia
C010208	ASSAY	Pxn	Granite	Hematized Granite + quartz breccia - subcrop.
C010209	ASSAY	Pxn	Gneiss	Weakly altered biotite-hornblende tonalite gneiss with albite-sericite-prehnite-epidote-clay alteration.
C010210	ASSAY	Pxn	Granite	Micaceous Granite
C010211	ASSAY	Pxn	Granite	Hematized weathered granite
C010212	ASSAY	Pxn	Granite	Haematized weathered granite - float
C010213	ASSAY	Pxn	Granite	Chloritised micaceous granite

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C010214	ASSAY	Pxn	Quartz Vein	Hematized quartz vein + granite
C010215	ASSAY	Pxn	Granite	Hematized Granite
C010217	ASSAY	Pxn	Granite	Weakly foliated granite
C010218	ASSAY	Pxn	Granite	Granite - subcrop
C010219	ASSAY	Pxn	Granite	Hematized weathered Granite
C010220	ASSAY	Pxn	Granite	Granite
C010221	ASSAY	Pxn	Granite	Sericite-quartz-clay-limonite-altered granitoid gneiss partly with greisen-like alteration - subcrop
C010222	ASSAY	Phe	Sandstone	Sandstone - float. No outcrop.
C010223	ASSAY	Pxn	Granite	Quartz-veined chloritised granite
C010224	ASSAY	Pxn	Granite	Granite - subcrop
C010225	ASSAY	Pxn	Granite	Hematized granite - subcrop
C010227	ASSAY	Pxn	Granite	Hematized granite - subcrop
C010228	ASSAY	Pxn	Quartz Breccia	Hematized quartz vein + breccia + granite - subcrop/float
C010229	ASSAY	Pxn	Granite	Fine-grained Granite
C010230	ASSAY	Pxn	Granite	Interpreted as silicified and sericitised leucocratic granitoid. Cut by a quartz vein containing hematite and limonite - subcrop
C010231	ASSAY	Pxn	Granite	Granite
C010232	ASSAY	Pxn	Granite	Hematized weathered granite - subcrop
C010233	ASSAY	Pxn	Quartz Breccia	Quartz breccia + granite
C010234	ASSAY	Pxn	Granite	Chloritised granite - subcrop
C010235	ASSAY	Pxn	Granite	Chloritised granite
C010236	ASSAY	Phe1	Sandstone	Sandstone - float. No outcrop.
C010237	ASSAY	Pxn	Granite	Biotite-rich Granite
C010238	ASSAY	Pxn	Granite	Quartz-veined granite
C010239	ASSAY	Pxn	Granite	Granite - float
C010241	ASSAY	Phe	Sandstone	Fine-grained sandstone
C010242	ASSAY	Phe	Sandstone	Fine-grained hematized sandstone
C010243	ASSAY	Phe	Sandstone	Fine-grained silicified sandstone
C010244	Mapping	Phe	Sandstone	Jointed sandstone
C010245	ASSAY	Phe	Sandstone	Sandstone
C010246	ASSAY	Phe	Sandstone	Sandstone
C010247	ASSAY	Phe	Sandstone	Hematized sandstone
C010248	ASSAY	Phe	Sandstone	Coarse-grained and quartz-rich sandstone, with mostly sutured grain boundaries, and sparse interstitial sericite/limonite.
C010249	Mapping	Phe	Sandstone	Sandstone
C010251	ASSAY	Phe	Sandstone	Sandstone
C010252	ASSAY	Phe	Sandstone	Silicified sandstone
C010253	ASSAY	Phe	Sandstone	Silicified sandstone
C010254	ASSAY	Phe	Sandstone	Sandstone
C010255	ASSAY	Phe	Sandstone	Sandstone
C010256	ASSAY	Phe	Sandstone	Sandstone - weakly brecciated
C010257	ASSAY	Phe	Sandstone	Silicified sandstone
C010258	Mapping	Phe	Sandstone	Sandstone
C010259	ASSAY	Phe	Sandstone	Sandstone with disseminated fine to coarser quartz sand grains - with U 2ndary
C010261	ASSAY	Phe	Sandstone	Sandstone
C010262	ASSAY	Phe	Sandstone	Hematized sandstone
C010263	ASSAY	Phe	Sandstone	Sandstone

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Beatrice Project I
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Sample Number	Geomorphology	CPS_max	Mag Sus	Grain Size	Intensity_1	Colour_1	Intensity_2	Colour_2
C010001	In a costean, dug 1971. Western side.	8000	0.08	Very Coarse	2	Orange-Brown	2	White-Grey
C010002	Small pushed cleared flat terrace, at bottom of trench.	6800	1.06		3	Green-Brown	1	Orange-Brown
C010003								
C010004	Float sample, bottom side of trench	5400	0.91		3	Green	2	Blue-Grey
C010005	In a costean, dug 1971. Western side. Sloping hill.	1400	0.17		3	Grey-White	1	Orange-Brown
C010006	Terraced rock benches on side of escarpment. Rounded outcrop.	85	0.05	Coarse	2	Cream-Orange	2	White
C010007	Small linear ridge, ~2m high in edge of linear gorge/valley. Sandstone on hanging wall, northern side of silicified breccia.	7300	0.02	Coarse	1	Grey	1	Cream
C010008		60000	0.25	Fine	3	Red-Brown		
C010009		21000	0.4	Fine	3	Brown-Red		
C010010	Side of rubbly slope, under the mineralised BX (C010007 & C010008)	58000						
C010012	Thick vegetation, in a small valley, near a creek.	100	0.14	Coarse	1	Pink	1	Grey
C010013	Float sample, but we are not far from the escarpment (~100m). Thickly wooded broad valley. Above creek.	230	0	Coarse	3	White		
C010014	Float sample, but we are not far from the escarpment (~100m). Thickly wooded broad valley. Above creek.	230	0.02	Medium	2	Orange		
C010015	Float sample, but we are not far from the escarpment (~100m). Thickly wooded broad valley. Above creek.	2000	0.05					
C010016	Sandstone hill in flat grassy area. Main escarpment to the south.	80	0.08		1	Cream	2	Orange
C010017	Floodplain, banks of large creek.	500						
C010018	Rounded sandstone outcrop. Below escarpment cliff.	60	0.02	Very Coarse	2	Orange	1	Cream
C010019	Float sample from escarpment edge ~100m away. Broad valley, E-W trend.	60	0.02	Medium	2	Purple	2	Orange
C010020	At base of escarpment cliff, looking SE over large valley.	60	0.05	Coarse	1	Cream		
C010021	Dry waterfall in creek. Escarpment cliff just to the north.	4500	0.25	Very Fine	3	Red		
C010022	Sandstone hill, in a broad valley. Escarpment to N & S.	60		Coarse	1	Cream-Orange		
C010023		50	0.02	Medium	1	Pink	1	Orange
C010024	Flat-lying sandstone outcrop. Barely above ground level. ARAD anomaly due to radon spring (water).	75	0.02	Medium	3	White		
C010026	Flat sandstone. Eastern side of very deep and narrow gorge. Close to the top of Mamadawerre. Nungbalgarri Volcanics further uphill.	75	0.02	Fine	1	Pink	1	Cream
C010027	Rounded outcrop. Looking N over large valley. Deep gorge to the E.	45	0.02	Fine	3	Pink-Red	3	Pink
C010028	Outcropping dolerite, rounded. Shallow hillside, thick vegetation.	130	1.46		2	Grey	1	Green
C010029	Float, and subcrop, on a hillside. Sample taken from a boulder.	270	0.71	Medium	2	Pink-Grey	1	Green
C010030	On a steep hillside, just above the unconformity. Outcropping sandstone above, sub-cropping and float granite below.	90	0.11	Coarse	2	Purple		
C010031	Sandstone rubble on surface. Possibly underlying dolerite. 80m above a river valley, near a small creek.	230	0.02		2	Pink-Red	2	Cream
C010032	Prominent outcrop on hill. "Ropey" texture, like semi-molten wax - irregular and rounded.	40	0.11	Medium	1	Pink	1	Orange
C010034	Thinly bedded sandstone. Outcrop overlooking NE across gully. Large outcropping sandstone and boulders up hillside.	85		Fine	1	Orange	1	Cream
C010035	Small brecciated, silicified sandstone (+quartz?) ridge, deformation zone, trending NW-SE.	175	0.08		1	Orange	1	Cream
C010036	Float on hillside. Escarpment above. "Laterite" development on the surface of the rock?	4800	0.88	Coarse	3	Red	3	Orange
C010037	Float on hillside. Escarpment above.	4800	0.25	Coarse	3	Red	2	Orange
C010038	At the base of the escarpment, just above the unconformity. Looking E over Beatrice inlier. Sample taken ~5m above u/c.	130	0.02	Coarse	1	Pink	1	Orange
C010039	Sub-cropping (or float?) granite, on a hillside. Looking E over Beatrice inlier.	190	1.23	Coarse	2	Grey	1	Green
C010040	Float granite boulder. Extremely weathered.	1200						
C010041	Flat landscape, thick tall grass, barely any rocks. This one poking 15cm above the ground. Not outcrop.	140	0.14	Fine	1	Green-Brown		
C010042	Flat landscape, thick tall grass, barely any rocks. This one poking 15cm above the ground. Not outcrop.	140	0.05	Coarse	2	Pink		
C010042	Isolated sandstone block in thick grass. Not close to escarpment.	80	0.02	Medium	2	Pink-Orange	1	Cream
C010043	Granite - rubbly subcrop. Extremely weathered. Spur of hill.	220	0.2		1	Red	1	Green
C010044	Gently dipping sandstone. Ripple marks on beds. Thin laminated beds.	80	0	Medium	2	Orange		
C010045	Flat-lying sandstone.	170		Coarse	3	Red	2	Cream
C010046		600		Pebbly	2	Red		
C010047	Thin pebbly unit/layer in the sandstone, to 10cm thick. Gently sloping bedding.	450	0.05	Pebbly	2	Pink-Grey		
C010048	Thick grass. Flat ground. No outcrop.	250						
C010050	Exposed rocks on spur/ridge of hill. Weakly foliated granite and quartz veining.	400			2	Grey	1	Cream
C010051	Rounded boulders on a hillside - subcrop.	200		Coarse	2	Grey	1	Cream
C010201	Subcrop/float	215						
C010202	Subcrop/float	200	0.14	Fine				
C010203		180	0.08					
C010204		270	0.94					
C010205		220	0.17					
C010206	Weathered outcrop	580	0.11					
C010207	Within a trench dug 1970	9000	0.11					
C010208	Subcrop or float?	900	0.25					
C010209	Large boulders.	220	0.4	Coarse	2	Grey	1	Green
C010210	Weathered subcrop	220	0.34		3	Red		
C010211	Weathered outcrop	200	0.2					
C010212	Float. Weathered.	200	0.37					
C010213		230	0.74					

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Sample Number	Geomorphology	CPS_max	Mag Sus	Grain Size	Intensity_1	Colour_1	Intensity_2	Colour_2
C010214		230	0.02					
C010215		280	0.28					
C010217	Subcrop.	210	0.66					
C010218	Subcrop	180	0.8					
C010219	Weathered outcrop + subcrop	180	0.22					
C010220		170	0.37					
C010221	Subcrop	180	0.51					
C010222	Sandstone boulders scattering hillside. No outcrop. Float.	165			2	Red-Orange		
C010223		360	0.2					
C010224	Subcrop	140	0.74					
C010225		175	1.43					
C010227	Weathered subcrop	200	0.86					
C010228	Subcrop/float. Weathered.	165	0.05					
C010229		300	0.14					
C010230	Subcrop.	170	0.08	Fine				
C010231		200	0.37					
C010232	Weathered subcrop.	160	0.71					
C010233	Exposed 'ridge' of QZBX + GRAN	160	0.11					
C010234	Weathered subcrop.	170	0.66					
C010235	Top of hill. Weathered outcrop.	130	0.43					
C010236	Sandstone boulders scattering hill. No sandstone outcrop. Boulders come down with erosion.	115	0.02					
C010237		150	0.88					
C010238	Weathered outcrop.	130	0.14					
C010239	Weathered float/subcrop	160	0.48					
C010241	Western end of silicified sandstone ridge. Looking north over valley of Beatrice Fault.	80	0.05	Fine	1	Orange		
C010242	Silicified sandstone ridge	60	0.08	Fine	1	Orange		
C010243	Silicified sandstone ridge	70	0.05	Fine	1	Orange		
C010244	Silicified sandstone ridge	130						
C010245	Silicified sandstone ridge	80	0.08	Fine	2	Red-Orange		
C010246	Silicified sandstone ridge	120		Fine	2	Pink-Red		
C010247	Silicified sandstone ridge	120	0.08	Fine	2	Pink	3	Red-Orange
C010248	On hillside looking N. Many loose rocks on ground.	120	0.08	Fine	2	Orange-Red		
C010249								
C010251		100	0.02		1	Grey	1	Cream
C010252		100	0.02	Fine	1	Cream	1	Pink
C010253		65	0.05	Fine	2	Orange	1	Cream
C010254		50	0.02	Fine	1	Orange		
C010255	Silicified sandstone ridge	60	0.08	Fine	1	Cream		
C010256		70		Fine	1	Cream-White		
C010257		65		Fine	1	Pink		
C010258	Silicified sandstone ridge	90						
C010259	Western end of ridge, above a gully. Same ridge previous U 2ndary's found	30000	0.08		1	Cream		
C010261		80		Medium	2	Pink	2	Orange
C010262		80	0.05	Medium	3	Orange		
C010263	'Ropey' texture - looks like solidified plasticine	70	0.05	Fine	2	Pink	2	Orange