

## Cameco Australia Pty. Ltd.

### Liverpool Project EL2855 - Outcrop Sample Descriptions and Properties

Sample Number	Assay Code	Formation	Lithology	Outcrop Description	TC Gamma (cps)	Mag_Sus	Grain Size	Max Clast (mm)	Comments
LP050200	Mapping	Phl	fine to medium grained sandstone	flat sandstone bench within shallow gully	85				
LP050201	ASSAY	Phl	coarse grained sandstone	blocky outcrop defining small jump up / scarp	120		Coarse Sand: 0.5 - 1.0 mm		
LP050202	ASSAY	Phl	coarse grained Fe sandstone	small scattered ferrigenous sandstone rubble and thin soils on surface	220		Coarse Sand: 0.5 - 1.0 mm		
LP050203	ASSAY	Phl	fine to medium grained sandstone	castellated pancake sandstone outcrops and silty blocks	100		Medium Sand: 0.25 - 0.5 mm		
LP050204	ASSAY	Cza	termite nest/soil	anomalously radioactive termites nest	470		Very Fine Sand: 0.063 - 0.125 mm		termite nests in the area are up 470cps above the background of 250cps
LP050205	ASSAY	Pdo	weathered volcanic / dolerite	rubbly ferrigenous hematite replaced rock possibly sandstone, occurring at similar RL along slope	240		Fine Sand: 0.125 - 0.25 mm		weathered limonitic altered ferrigenous rock; thin section petrography indicates that this is a laterised granophytic quartz dolerite
LP050206	ASSAY	Pdo	weathered volcanic / dolerite	rubbly ferrigenous hematite replaced rock possibly sandstone, occurring at similar RL along slope	240		Medium Sand: 0.25 - 0.5 mm		weathered limonitic altered ferrigenous rock; thin section petrography indicates that this is a laterised dolerite, rock is a lighter more limonitic sample than LP050205. Poorly defined slickensides are observed on some surfaces of the sample
LP050207	Mapping	Phl	brown soil	soil development possibly on dolerite within gorge	85		Coarse Sand: 0.5 - 1.0 mm		soil profile developed within linear gorge may be the result of weathering of dolerite, gorge trend is 205 deg
LP050208	ASSAY	Phl	coarse grained sil sandstone	hematite coated fractures in jointed silicified sandstone along edge of E-W lineament	60		Coarse Sand: 0.5 - 1.0 mm		
LP050209	ASSAY	Phl	coarse grained sandstone	castellated jointed pancake outcrops; minor granule stone horizons	45		Coarse Sand: 0.5 - 1.0 mm		
LP050210	ASSAY	Phl	coarse grained sandstone	rounded blocky outcrops of coarse grained trough cross bedded sandstone overlain by finer grained planar bedded sandstone as seen in the surrounding scarps	45		Coarse Sand: 0.5 - 1.0 mm		
LP050211	ASSAY	Phl	fine to medium grained sandstone	jointed blocky outcrops within floor of recessive valley	40		Medium Sand: 0.25 - 0.5 mm		
LP050213	ASSAY	Phl	fine grained sandstone	castellated trough cross bedded blocks; bedding has been folded and contorted due to soft sediment deformation; possibly earthquake generated	40		Fine Sand: 0.125 - 0.25 mm		
LP050214	ASSAY	Phl	medium grained sandstone	rounded outcrops at base of gorge wall with quartz veining parallel to linear valley	30		Medium Sand: 0.25 - 0.5 mm		
LP050215	ASSAY	Phl	quartzite/strong sil sandstone	small outcrop of closely spaced fractured and strongly silicified sandstone or quartzite conjugate to orientation of linear valley	40		Silt/Mud: < 0.063 mm		small outcrop with shallow linear gorge; closely spaced fractures ~20 frac over 45cm; orientation of fractures is interpreted to be in Riedel Prime direction if lineament contains shearing; strongly silicified quartzite
LP050216	Mapping	Phl	sandstone fault breccia	heavily fractured sandstone with brecciated zones of angular sandstone clasts within crushed sand breccia matrix	60		Coarse Sand: 0.5 - 1.0 mm		
LP050217	ASSAY	Phl	fine to med gr fractured sandstone	blocky fractured sandstone	45		Medium Sand: 0.25 - 0.5 mm		
LP050218	ASSAY	Phl	sandstone fault breccia	5m wide fault zone with heavily fractured sandstone on the periphery of the zone with brecciated sandstone in central portion of fault zone	40		Medium Sand: 0.25 - 0.5 mm		
LP050219	Mapping	Phr	med gr sandstone breccia	4m wide zone of structural disruption; a number of individual breccias interleaved between fractured sandstone across zone	35		Medium Sand: 0.25 - 0.5 mm		
LP050220	Mapping	Phr	sandstone quartz breccia	four individual 30-40cm wide zones of heavily fractured sandstone and jigsaw quartz brecciation over 5m zone	35		Medium Sand: 0.25 - 0.5 mm		
LP050221	ASSAY	Phl	medium grained sandstone	zone of closely spaced fractures; 7 fractures over 50cm	55		Medium Sand: 0.25 - 0.5 mm		trough cross bedded horizon is overlain by thick planar bedded and rippled sandstone
LP050222	ASSAY	Phl	coarse grained sandstone	low trough cross bedded rock benches poking through sand cover	50		Coarse Sand: 0.5 - 1.0 mm		sandy timbered flats surrounding shallow linear valley is littered with ferrigenous sandstone rubble with a higher radiometric signature
LP050223	ASSAY	Phl	coarse grained sandstone	fault zone trending 220; areas within zone are heavily brecciated with other zones of fractured sandstone	45		Coarse Sand: 0.5 - 1.0 mm		part of a large fault breccia trending 220
LP050227	ASSAY	Phl	medium to coarse grained sandstone	weakly brecciated strongly fractured sandstone at small scarp on edge of gorge wall	45		Coarse Sand: 0.5 - 1.0 mm		last movement recorded is horizontal as recorded by evident slickensides on breccia plane