

Cameco Australia Pty. Ltd.

Manyalluluk EL 9452 - Outcrop Lithlogy and Physical Properties

Station Number	Sample Number	Lithology	Grain Size	Friability	Maximum Clast Size (mm)	Mag-Sus	Primary Colour	Secondary Colour
ML040200	ML04C10200	Lithic sandstone	6. medium sand	1	20	0.09	10R7/3	10R5/2
ML040201	ML04C10201	Sandstone Breccia		1		0.12	10R4/3	10R8/1
ML040202	ML04C10202	c-gr to granular hematitic lithic sandstone	6. medium sand	1	100	0.18	10R5/2	10R7/2
ML040203	ML04C10203	Sandstone	7. fine sand	1		0.05	10R5/2	10R6/3
ML040204	ML04C10204	Fine grained Sandstone	7. fine sand	1		0.01	10R6/6	10R8/1
ML040205	ML04C10205	Medium to coarse grained sandstone	6. medium sand	1		0.047	10R3/4	10R7/3
ML040206	ML04C10206	Quartz Feldspar Porphyry		1		0.91	2.5Y4/4	2.5YR4/1
ML040207	ML04C10207	volcanoclastic porphyroclastic flow tuff		1		0.53	2.5YR6/6	2.5YR7/6
ML040208	ML04C10208	quartz brecciated volcanoclastic tuff		1		0.1	10YR8/4	10YR8/1
ML040209	ML04C10209	Fine to medium grained sandstone	6. medium sand	1		0.03	10R8/4	10R8/1
ML040210	ML04C10210	Fine grained sandstone	6. medium sand	1	8	0.05	10R8/3	10R7/4
ML040211	ML04C10211	Fine grained sandstone	7. fine sand	1		0.07	10R6/1	10R8/1
ML040213	ML04C10213	Ferruginous rubble		2		1.31	5YR4/4	5YR3/1
ML040214	ML04C10214	Medium grained sandstone	6. medium sand	1		0	5YR7/6	5YR8/1
ML040215	ML04C10215	Fine to medium grained sandstone	6. medium sand	1		0.05	10R5/6	10R6/1
ML040217	ML04C10217	Ferruginous volcanics		1		1.37	5YR3/4	
ML040218	ML04C10218	Fine to medium grained sandstone	7. fine sand	1		0.01	10R5/6	10R8/1
ML040219	ML04C10219	vesicular flow top basaltic volcanic		1		1.15	10R3/2	10R5/8
ML040220	ML04C10220	Ferruginous weathered volcanic		1		0.86	5YR4/4	5YR5/4
ML040221	ML04C10221	Sandstone	5. coarse sand	1		0.05	5YR6/2	5YR8/3
ML040222	ML04C10222	Rhyolitic volcanoclastic		1		0.51	7.5YR4/4	2.5YR6/4
ML040223	ML04C10223	porphyritic (feldspar and quartz) granite		1	35	0.53	2.5YR4/4	2.5YR3/1
ML040224	ML04C10224	Medium to coarse grained sandstone	6. medium sand	1		0.05	10R7/4	10R7/6
ML040225	ML04C10225	Medium grained sandstone	6. medium sand	1		0.05	10R5/1	10R7/4
ML040226	ML04C10226	Sandstone		2		3.12	7.5YR7/6	5YR3/4
ML040227	ML04C10227	sandstone		1		0.03	5YR5/6	5YR8/1
ML040228	ML04C10228	m-c gr sandstone fault breccia	6. medium sand	1	30	0	5YR7/2	5YR8/1
ML040229	ML04C10229	Ferricrete		2	400	0.47	5YR4/4	5YR7/6
ML040230	ML04C10230	Sandstone	6. medium sand	1		0.03	10R7/6	10R8/1
ML040231	ML04C10231	brecciated fine grained sandstone		1		0.05	10R6/4	10R7/2
ML040233	ML04C10233	brecciated sandstone	6. medium sand	2		0.03	10R7/2	10R4/6
ML040234	ML04C10234	hematitic sandstone	6. medium sand	1		0.34	5YR6/4	5YR5/3
ML040236	ML04C10236	medium to coarse grained sandstone	6. medium sand	1		0.07	7.5YR7/4	7.5YR5/1
ML040237	ML04C10237	fine grained partially laterised basic volcanic		2		0.98	7.5YR6/6	7.5YR4/4
ML040238	ML04C10238	cobbly coarse grained sandstone	5. coarse sand	1		0.12	10R4/2	7.5YR7/6
ML040239	ML04C10239	finely banded and amygdule volcanics		1		0.6	7.5YR3/4	7.5YR6/8
ML040241	ML04C10241	boulder conglomerate	4. very coarse sand	1	500	0.27	10R3/4	10R7/4
ML040242	ML04C10242	weathered andesitic? Basic volcanic flow		3		0.23	10R4/3	10R8/1
ML040243	ML04C10243	medium to coarse grained sandstone		1		0	10R7/3	10R5/6
ML040244	ML04C10244	weathered andesitic/basic volcanic		1		0.2	10R4/6	5YR4/1
ML040244	ML04C20244	weathered andesitic/basic volcanic		1		0.95	5YR4/4	10R5/6
ML040245	ML04C10245	sandstone boulder conglomerate	4. very coarse sand	1	8	0.12	5YR5/4	5YR6/8
ML040246	ML04C10246	lithic hematitic c-gr sandstone	6. medium sand	1		0.18	10R5/4	10R3/4
ML040247	ML04C10247	lithic sandstone quartz hematite breccia		1		0.2	5YR5/6	10YR3/3
ML040248	ML04C10248	medium grained waethered pink granite		1		0.12	10R8/4	10R5/1
ML040249	ML04C10249	medium grained waethered pink granite		1		0.2	10R6/4	10YR7/4
ML040250	ML04C10250	quartz vein and aplite in pink m-gr granite		1		0.23	10R7/3	2.5Y7/6
ML040251	ML04C10251	qtz fspar porphyritic granite		1	35	0.71	2.5YR4/4	2.5YR3/1
ML040252	ML04C10252	qtz fspar porphyritic granite		1		0.25	2.5YR4/4	2.5YR3/1
ML040253	ML04C10253	clay weathered granite		1		0.14	7.5YR4/3	7.5YR7/6
ML040254	ML04C10254	clay weathered granite		2		0.62	7.5YR5/6	7.5YR3/1
ML040255	ML04C10255	ferricrete		2		9.77	10R3/2	10R4/6
ML040256	ML04C10256	clay altered granite		1		0.05	10YR4/3	10YR6/6
ML040257	ML04C10257	highly clay altered granite		1		0.09	10YR7/4	10R4/2
ML040258	ML04C10258	quartz breccia		1		0.1	10R3/3	10R7/3
ML040259	ML04C10259	granite		1		0.09	10R7/6	10R4/2
ML040260	ML04C10260	pebbly granule stone	5. coarse sand	2		0.12	10R5/2	10R8/1
ML040261	ML04C10261	silicified fine grained sandstone	7. fine sand	1		0.09	10R7/4	10R6/1
ML040262	ML04C10262	basic volcanics		1		1	7.5YR4/6	7.5YR7/6
ML040263	ML04C10263	lateritic ferricrete	6. medium sand	2		0.82	10R3/3	10YR7/8
ML040264	ML04C10264	fine grained sandstone	7. fine sand	1		0.05	10R5/6	10R7/1
ML040265	ML04C10265	massive basic volcanics	7. fine sand	2		0.98	2.5YR4/6	
ML040266	ML04C10266	quartz banded volcanics		2		0.78	7.5YR4/6	7.5YR3/1
ML040267	ML04C10267	fine grained brecciated sandstone	4. very coarse sand	1		0.09	10R6/4	10R8/1
ML040268	ML04C10268	fine grained sandstone	6. medium sand	1		0	10R7/3	10R4/3
ML040269	ML04C10269	amygdaloidal volcanics		2		0.64	10R3/3	7.5YR7/4
ML040270	ML04C10270	mafic massive flow volcanic		1		0.73	5YR5/6	5YR3/4
ML040271	ML04C10271	specular hematite replaced volcanics		1		1.44	7.5YR3/4	7.5YR3/1
ML040272	ML04C10272	m-c gr sandstone	6. medium sand	1	50	0.05	7.5YR3/4	7.5YR3/1
ML040274	ML04C10274	medium to coarse grained sandstone	6. medium sand	1		0	2.5YR4/4	2.5YR8/1
ML040275	ML04C10275	red microgranite		1		0.47	2.5YR5/3	2.5YR3/3
ML040276	ML04C10276	red microgranite		1		20.2	10R3/4	10R4/6
ML040277	ML04C10277	volcanoclastic		1		0.51	10R6/6	5YR5/6
ML040278	ML04C10278	coarse grained porphyritic granite		1		0.34	5YR7/6	5YR4/4
ML040279	ML04C10279	microgranite		1		1.39	5YR6/4	5YR2.5/1
ML040280	ML04C10280	sheared porphyritic granite		3		0.32	7.5YR5/6	7.5YR6/6
ML040281	ML04C10281	sheared porphyritic granite		2		0.23	5YR5/6	5YR4/4
ML040282	ML04C10282	amygdaloidal basic volcanics		1		3.58	5YR5/8	5YR6/1
ML040284	ML04C10284	medium grained sandstone	6. medium sand	1		0.03	10R7/2	10R4/6
ML040285	ML04C10285	medium to coarse grained lithic sandstone	6. medium sand	1	10	0.16	10R6/4	10R4/2
ML040286	ML04C10286	coarse grained lithic sandstone	5. coarse sand	1		0.1	5YR5/6	5YR3/1
ML040287	ML04C10287	ferricrete		2		0.96	7.5YR5/8	10R4/6
ML040288	ML04C10288	fine grained sandy siltstone		2		0.62	10R3/4	10R5/2
ML040289	ML04C10289	sandstone breccia	6. medium sand	1		0.21	10R5/6	10R8/1
ML040290	ML04C10290	sandstone breccia; rounded sdst cobbles and clasts	6. medium sand	1	350	0.14	10R7/3	10R3/4
ML040291	ML04C10291	graded beding sandstone	6. medium sand	1		0.07	10R5/4	10R4/3