

Cameco Australia Pty Ltd
Cadell Project - ERL25896
Diamond Drilling - Alteration

Hole Number	Depth From	Depth To	Intensity	Colour	Alteration	Distribution	Comments
CDD0117	0	38.1	strong	brown	clay	replacement	
CDD0117	0	38.1	strong	brown	hematite	replacement	
CDD0117	38.8	39.1	moderate	brown	albite	replacement	albite alteration possibly replacing plagioclase feldspar
CDD0117	38.8	39.1	weak	brown green (khaki)	chlorite	interstitial	
CDD0117	39.1	39.4	moderate	brown	albite	ribbons	
CDD0117	39.4	40	weak	grey green	chlorite	interstitial	
CDD0117	40	43.8	weak	brown	hematite	interstitial	minor hematite alteration
CDD0117	40	43.8	moderate	brown	albite	replacement	
CDD0117	43.8	44.6	weak	grey green	chlorite	fracture coating	dark green chlorite along fracture planes
CDD0117	43.8	44.6	weak	grey green	chlorite	interstitial	
CDD0117	44.6	53.6	moderate	grey green	chlorite	interstitial	
CDD0117	44.6	53.6	weak	greyish white	quartz feldspar vein	vein/stringers	tiny quartz feldspar veins
CDD0117	53.6	54.5	weak	brown green (khaki)	albite	replacement	albite replacement
CDD0117	53.6	54.5	weak	brown green (khaki)	hematite	interstitial	
CDD0117	53.6	54.5	weak	grey green	chlorite	disseminated	
CDD0117	54.5	57.47	strong	green	chlorite	fracture coating	dark green chlorite along fracture planes
CDD0117	54.5	57.47	moderate	grey green	chert	interstitial	
CDD0117	57.47	64.8	moderate	black	chlorite	replacement	dark green chlorite
CDD0117	57.47	64.8	weak	brown	hematite	interstitial	
CDD0117	64.8	66	moderate	brown	hematite	disseminated	disseminated hematite
CDD0117	64.8	66	moderate	brown	hematite	fracture coating	
CDD0117	64.8	66	moderate	brown	hematite	replacement	complete replacement of matrix minerals with hematite
CDD0117	64.8	66	weak	green	chlorite	replacement	partial replacement of feldspar phenocrysts by chlorite
CDD0117	66	66.4	weak	brown	hematite	disseminated	minor disseminated hematite
CDD0117	66	66.4	weak	brown	hematite	fracture coating	hem fracture coatings
CDD0117	66	66.4	moderate	green	chlorite	disseminated	
CDD0117	66	66.4	moderate	green	chlorite	fracture coating	chlorite fracture coatings
CDD0117	66.4	68	strong	brown	hematite	fracture coating	
CDD0117	66.4	68	strong	brown	hematite	replacement	replacement of primary minerals by hematite
CDD0117	66.4	68	moderate	green	chlorite	replacement	replacement of feldspar phenocrysts by chlorite
CDD0117	66.4	68	weak	greyish white	luecoxene	disseminated	disseminated leucoxene
CDD0117	68	69	weak	brown	hematite	disseminated	minor disseminated hematite
CDD0117	68	69	weak	brown	hematite	fracture coating	hematite fracture coatings
CDD0117	68	69	weak	brown	hematite	vein/stringers	

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CDD0117	68	69	moderate	green	chlorite	disseminated	
CDD0117	68	69	moderate	green	chlorite	vein/stringers	minor chlorite veins
CDD0117	69.9	71.1	strong	brown	hematite	fracture coating	
CDD0117	69.9	71.1	strong	brown	hematite	replacement	
CDD0117	69.9	71.1	moderate	green	chlorite	replacement	replacement of feldspar phenocrysts by chlorite
CDD0117	69.9	71.1	weak	whitish grey	luecoxene	disseminated	
CDD0117	71.1	75.7	weak	brown	hematite	fracture coating	hematite fracture coatings
CDD0117	71.1	75.7	weak	brown	hematite	vein hosted diss	
CDD0117	71.1	75.7	weak	green	sericite	disseminated	
CDD0117	71.1	75.7	moderate	green	chlorite	disseminated	
CDD0117	71.1	75.7	moderate	green	chlorite	vein/stringers	minor chlorite veins
CDD0117	75.7	77.9	moderate	brown	hematite	disseminated	
CDD0117	75.7	77.9	moderate	brown	hematite	fracture coating	hematite fracture coatings
CDD0117	75.7	77.9	weak	green	chlorite	disseminated	disseminated chlorite
CDD0117	75.7	77.9	weak	green grey	luecoxene	disseminated	
CDD0117	75.7	77.9	weak	green grey	sericite	disseminated	
CDD0117	75.7	77.9	weak	grey green	chlorite	fracture coating	
CDD0117	77.9	100					
CDD0117	77.9	100	moderate	brown	hematite	disseminated	
CDD0117	77.9	100	moderate	brown	hematite	fracture coating	hematite fracture coatings
CDD0117	77.9	100	moderate	green	chlorite	gouge	
CDD0117	77.9	106.2	moderate	green	chlorite	fracture coating	
CDD0117	77.9	100	weak	greyish white	quartz feldspar vein	vein/stringers	discontinues narrow broken quartz feldspar veins
CDD0117	106.2	108.56	strong	brown	hematite	replacement	intense hematite alteration
CDD0117	106.2	108.56	weak	green	chlorite	interstitial	
CDD0117	108.56	111.9	moderate	green	chlorite	replacement	chlorite replacing primary minerals
CDD0117	111.9	116.2					
CDD0117	111.9	116.2	strong	brown	hematite	replacement	intense hematite alteration
CDD0117	116.2	120.25	moderate	brown	hematite	disseminated	
CDD0117	116.2	120.25	weak	green grey	chlorite	disseminated	weak sericite alteration
CDD0117	116.2	120.25	weak	green grey	sericite	disseminated	
CDD0117	120.25	125.95	weak	brown	hematite	disseminated	
CDD0117	120.25	125.95	moderate	grey green	chlorite	interstitial	
CDD0117	120.25	125.95	weak	whitish grey	quartz carbonate	vein/stringers	minor quartz carbonate veins
CDD0117	125.95	126.3	moderate	brown	hematite	disseminated	
CDD0117	126.3	133.5	moderate	green	chlorite	disseminated	
CDD0117	126.3	133.5	weak	greyish white	quartz carbonate	disseminated	
CDD0117	126.3	133.5	weak	whitish grey	quartz carbonate	vein hosted bleb	
CDD0117	133.5	140.4	moderate	green	chlorite	disseminated	
CDD0117	133.5	140.4	weak	greenish brown	sericite	disseminated	disseminated sericite alteration around large k-feldspar crystals
CDD0117	133.5	140.4	moderate	pink brown	k-feldspar	mineral control	

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CDD0117	140.4	142.1	weak	green	chlorite	disseminated	
CDD0117	140.4	142.1	weak	grey brown	chlorite	disseminated	
CDD0117	140.4	142.1	weak	pink brown	k-feldspar	mineral control	
CDD0117	142.1	143.5	weak	green	chlorite	disseminated	disseminated chlorite alteration around large k-feldspar crystals
CDD0117	142.1	143.5	strong	pink brown	k-feldspar	mineral control	
CDD0117	143.5	148	moderate	green	chlorite	disseminated	disseminated chlorite alteration around large k-feldspar crystals
CDD0117	143.5	148	moderate	green grey	sericite	disseminated	
CDD0117	143.5	148	strong	pink brown	k-feldspar	mineral control	
CDD0117	148	152.5	strong	brown	hematite	irregular spots	irregular hematite spots
CDD0117	148	152.5	weak	grey green	chlorite	disseminated	disseminated chlorite alteration around large k-feldspar crystals
CDD0117	148	152.5	weak	whitish grey	sericite	disseminated	
CDD0117	152.5	154.05	moderate	brown	hematite	disseminated	irregular hematite spots
CDD0117	152.5	154.05	moderate	pink brown	k-feldspar	mineral control	
CDD0117	154.05	155.7	weak	green	chlorite	disseminated	disseminated chlorite alteration around large k-feldspar crystals
CDD0117	154.05	155.7	weak	green grey	sericite	disseminated	
CDD0117	154.05	155.7	moderate	pink brown	k-feldspar	mineral control	
CDD0117	155.7	156.8	moderate	brown	hematite	disseminated	disseminated hematite
CDD0117	155.7	156.8	weak	grey green	sericite	disseminated	
CDD0117	155.7	156.8	moderate	pink brown	k-feldspar	mineral control	
CDD0117	156.8	160.4					
CDD0117	156.8	160.4	moderate	brown	hematite	disseminated	irregular hematite spots
CDD0117	156.8	160.4	moderate	pink brown	k-feldspar	mineral control	
CDD0117	160.4	173	weak	green	chlorite	disseminated	
CDD0117	160.4	173	weak	green grey	sericite	disseminated	
CDD0117	160.4	173	moderate	pink brown	k-feldspar	mineral control	
CDD0118	26.6	26.9	weak	brown	hematized	discrete spots	
CDD0118	26.6	26.9	moderate	green	chlorite	replacement	strong chlorite alteration in medium grained dolerite
CDD0118	26.9	28.8	weak	green	chlorite	disseminated	
CDD0118	26.9	28.8	moderate	pink brown	potassic	interstitial	potassic alteration
CDD0118	28.8	30.1	strong	brown	hematite	replacement	
CDD0118	28.8	30.1	moderate	pink brown	potassic	interstitial	disseminated potassic alteration
CDD0118	28.8	30.1	moderate	whitish grey	quartz feldspar vein	vein/stringers	quartz feldspar veins
CDD0118	30.1	33.4	weak	brown	hematite	fracture coating	
CDD0118	30.1	33.4	weak	grey green	luecoxene	disseminated	
CDD0118	30.1	33.4	strong	grey green	chlorite	replacement	intense chlorite alteration
CDD0118	33.4	39.1	moderate	brown	hematite	fracture coating	
CDD0118	33.4	39.1	weak	green grey	sericite	interstitial	

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CDD0118	33.4	39.1	moderate	green grey	chlorite	replacement	
CDD0118	33.4	39.1	moderate	green grey	luecoxene	disseminated	
CDD0118	39.1	41.8	moderate	brown	hematite	disseminated	
CDD0118	39.1	41.8	moderate	green	chlorite	disseminated	disseminated chlorite
CDD0118	41.8	44.7	moderate	brown	hematite	replacement	intense hematite alteration
CDD0118	41.8	44.7	moderate	green	luecoxene	disseminated	
CDD0118	41.8	44.7	strong	green	chlorite	interstitial	
CDD0118	44.7	54	weak	brown	hematite	disseminated	
CDD0118	44.7	54	weak	brown	potassic	disseminated	
CDD0118	44.7	49.2	strong	green	chlorite	replacement	strong chlorite alteration
CDD0118	44.7	54	weak	green	chlorite	disseminated	
CDD0118	44.7	54	weak	grey green	luecoxene	disseminated	
CDD0118	54	55.3	moderate	green	chlorite	replacement	chloritised dolerite
CDD0118	55.3	58.7	moderate	brown	potassic	interstitial	potassic alteration in dolerite matrix
CDD0118	55.3	58.7	weak	green	chlorite	mineral control	chlorite alteration affecting the feldspar phenocrysts
CDD0118	55.3	58.7	weak	green	chlorite	vein/stringers	chlorite veinlets
CDD0118	55.3	58.7	weak	greyish white	hematite	vein/stringers	hematite veinlets
CDD0118	58.7	62.5	weak	brown	potassic	interstitial	potassic alteration in dolerite matrix
CDD0118	58.7	62.5	weak	green	chlorite	vein/stringers	
CDD0118	58.7	62.5	moderate	green	chlorite	interstitial	
CDD0118	58.7	62.5	weak	whitish grey	quartz feldspar vein	vein/stringers	
CDD0118	62.5	63.5	moderate	green	chlorite		moderate - strong chlorite alteration
CDD0118	63.5	79	weak	brown	hematite	fracture coating	
CDD0118	63.5	79	weak	brown	potassic	interstitial	
CDD0118	63.5	79	weak	brownish grey	hematite	disseminated	
CDD0118	63.5	79	weak	green	chert	vein/stringers	chlorite veinlets and dark green chlorite around fractures.
CDD0118	63.5	79	moderate	green	chlorite	interstitial	
CDD0118	63.5	79	weak	whitish grey	quartz feldspar vein	vein/stringers	
CDD0118	79	91.5	weak	brown	hematite	interstitial	
CDD0118	79	91.5	weak	brown	hematite	vein/stringers	
CDD0118	79	96	strong	brown	hematite	replacement	complete replacement of the primary minerals by hematite
CDD0118	79	91.5	weak	green	chlorite	interstitial	
CDD0118	79	91.5	moderate	green grey	luecoxene	disseminated	
CDD0118	96	97	moderate	brown	hematite	interstitial	
CDD0118	96	97	moderate	green	chlorite	interstitial	
CDD0118	97	98.05	weak	green	luecoxene	disseminated	disseminated leucoxene
CDD0118	97	98.05	moderate	green	chlorite	interstitial	interstitial chloritisation
CDD0118	98.05	108	strong	brown	hematite	replacement	complete replacement of the primary minerals by hematite

Hole Number	Depth From	Depth To	Intensity	Colour	Alteration	Distribution	Comments
CDD0118	108	108.95	moderate	red brown (rust)	hematite	interstitial	
CDD0118	108	108.95	strong	red brown (rust)	hematite	replacement	complete replament of the primary rock by hematite along the fracture planes
CDD0118	108.95	112.6	moderate	brown	hematite		fracture controlled hematite alteration
CDD0118	108.95	112.6	weak	green	chlorite		
CDD0118	112.6	120.6	weak	brown	hematite	replacement	
CDD0118	112.6	120.6	moderate	brown	hematite		
CDD0118	112.6	120.6	moderate	green	chert	interstitial	
CDD0118	120.6	126.6	strong	brown	hematite	replacement	
CDD0118	120.6	126.6	moderate	green	chlorite	interstitial	weak chlorite alteration in the basement close to the brecciated contact with the sandstone
CDD0118	120.6	126.6	moderate	silver metallic	sericite	disseminated	disseminated sericite
CDD0118	126.6	145.2	moderate	brown	hematite	interstitial	
CDD0118	126.6	145.2	weak	green	chlorite	interstitial	
CDD0118	126.6	145.2	moderate	green grey	sericite	interstitial	
CDD0118	126.6	145.2	moderate	greenish brown	altered feldspar	mineral control	
CDD0118	126.6	145.2	weak	greyish white	quartz carbonate	vein/stringers	quartz carbonate veins
CDD0118	145.2	150.6	strong	brown green (khaki)	altered feldspar	replacement	
CDD0118	145.2	150.6	moderate	green	chlorite	interstitial	
CDD0118	145.2	150.6	moderate	green	sericite	interstitial	
CDD0119	23.7	37.5	moderate	green	sericite	replacement	sericite replacing plagioclase
CDD0119	23.7	36.4	moderate	orange brown	limonite	groundmass	surficial weathering
CDD0119	27.5	28	strong	green	chlorite	replacement	chlorite replacing orthoclase
CDD0119	28	36.4	moderate	red maroon	hematite	replacement	dark-red hematite found along the edges of orthoclase grains as blots.
CDD0119	36.4	37.5	moderate	green	chlorite	replacement	chlorite replacing matrix
CDD0119	36.4	42.1	weak	green	chlorite	replacement	chlorite replacing mafic minerals in matrix
CDD0119	36.4	51.1	moderate	green	sericite	replacement	replacing plagioclase
CDD0119	37.5	80.9	moderate	orange brown	limonite	fracture coating	
CDD0119	42.1	43.2	weak	brown	luecoxene	replacement	
CDD0119	43.2	43.8	strong	yellow brown	limonite	disseminated	disseminate limonite around fractured zone
CDD0119	46.3	46.4	moderate	red	hematite	interstitial	
CDD0119	46.4	51.1	moderate	brown	luecoxene	replacement	
CDD0119	46.4	51.1	moderate	pink	potassic	vein/stringers	
CDD0119	49.7	50.3	moderate	pink	potassic	disseminated	
CDD0119	50.3	50.5	strong	red	hematite	disseminated	hematite associated with quartz vining
CDD0119	50.3	50.5	moderate	white	quartz	vein/stringers	
CDD0119	51.1	56.5	strong	green	chlorite	replacement	matrix replacement and after olivine
CDD0119	52.8	53	moderate	white	quartz feldspar vein	vein/stringers	
CDD0119	53.6	54.1	moderate	pink	potassic	disseminated	
CDD0119	55.5	55.6	moderate	white	quartz feldspar vein	vein/stringers	
CDD0119	56.5	61.1	moderate	brown	luecoxene	replacement	

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CDD0119	56.5	69.7	moderate	green	chlorite	replacement	replacing matrix
CDD0119	61.1	69.7	strong	brown	luecoxene	replacement	
CDD0119	67.9	78.1	moderate	pink	potassic	disseminated	
CDD0119	69.7	82.6	weak	green	chlorite	replacement	
CDD0119	69.7	82.6	weak	green	sericite	replacement	
CDD0119	73.2	74.2	moderate	pink	potassic	disseminated	
CDD0119	74.5	75.5	strong	red	hematite	disseminated	diss. hematite found in matrix. associated with quartz.
CDD0119	74.5	75.5	moderate	white	quartz	vein/stringers	
CDD0119	76.5	78.2	moderate	pink	potassic	disseminated	
CDD0119	76.9	82	moderate	green	chlorite	vein/stringers	
CDD0119	76.9	82	weak	red	hematite	vein/stringers	
CDD0119	76.9	82	weak	white	quartz	vein/stringers	
CDD0119	82	82.1	strong	brown	luecoxene	replacement	
CDD0119	82	82.1	weak	green	sericite	replacement	
CDD0119	82	82.1	strong	green	chlorite	replacement	
CDD0119	82.1	84.4	strong	red	hematite	disseminated	
CDD0119	84.4	85.2	weak	green	sericite	replacement	
CDD0119	84.4	85.2	strong	green	chlorite	replacement	
CDD0119	85.2	86	strong	red	hematite	disseminated	
CDD0119	86	91.2	strong	green	chlorite	replacement	
CDD0119	91.2	98.2	moderate	brown	luecoxene	replacement	
CDD0119	91.2	98.2	strong	green	chlorite	replacement	
CDD0119	93.5	95.2	moderate	white	quartz feldspar vein	vein/stringers	
CDD0119	98.9	102.9	weak	green	chlorite	replacement	
CDD0119	98.9	101	weak	pink	potassic	vein/stringers	
CDD0119	101	102.9	moderate	red	hematite	disseminated	
CDD0119	102.9	107.1	moderate	green	chlorite	replacement	
CDD0119	102.9	107.1	weak	red	hematite	disseminated	
CDD0119	107.1	113.6	moderate	brown	luecoxene	replacement	
CDD0119	107.1	113.6	weak	green	chlorite	replacement	
CDD0119	107.1	111.2	moderate	red	hematite	disseminated	
CDD0119	107.1	113.6	moderate	red	hematite	vein/stringers	
CDD0119	113.6	124	moderate	green	chlorite	replacement	
CDD0119	113.6	117.2	weak	red	hematite	disseminated	
CDD0119	117.2	122.1	weak	red	hematite	disseminated	
CDD0119	122.1	124	moderate	red	hematite	vein/stringers	
CDD0119	124	141.1	moderate	green	chlorite	replacement	
CDD0119	125	132	moderate	red	potassic	vein/stringers	
CDD0119	141.06	143.9	weak	yellow	chalcopryrite	blebs	minor blebs of chalcopryrite in quartz carbonate veins
CDD0119	141.1	145.8	weak	green	chlorite	vein/stringers	

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CDD0119	141.1	145.8	strong	green	chlorite	replacement	
CDD0119	141.1	145.8	moderate	white	carbonate	vein/stringers	
CDD0119	141.1	145.8	weak	white	quartz	vein/stringers	
CDD0119	145.8	171.8	moderate	green	chlorite	replacement	
CDD0119	171.8	178	weak	green	chlorite	replacement	
CDD0119	171.8	178	moderate	red	hematite	replacement	
CDD0119	178.1	180.2	moderate	green	chlorite	replacement	
CDD0119	180.2	181.3	weak	green	chlorite	replacement	
CDD0119	180.2	181.3	moderate	red	hematite	replacement	
CDD0119	181.3	183	moderate	green	chlorite	replacement	
CDD0119	183	184	moderate	red	hematite	replacement	
CDD0119	184	185.2	moderate	green	chlorite	replacement	
CDD0119	185.2	189.2	weak	green	chlorite	replacement	
CDD0119	185.2	189.2	moderate	red	hematite	replacement	
CDD0119	189.2	190.3	strong	green	chlorite	replacement	
CDD0119	190.3	192.6	moderate	green	chlorite	replacement	
CDD0119	192.6	198.9	moderate	red	hematite	replacement	