

Cameco Australia Pty Ltd

Manyalluluk EL 9452 - Sample Alteration and Structural Measurements

Station Number	Sample Number	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
ML04C10200	ML040200	2	WCY	MTC	Bedding	12	130	
ML04C10200	ML040200	2	HE	MATR	Fracturing	85	205	
ML04C10201	ML040201	2	DOZ	BX				
ML04C10201	ML040201	2	HER	BX				
ML04C10201	ML040201	3	OZ	BX	Breccia	85	110	
ML04C10202	ML040202	2	WCY	WTC				
ML04C10202	ML040202	2	SIL	PERV				
ML04C10202	ML040202	3	HE	PERV				
ML04C10203	ML040203	3	HER	SPOT	Qtz/Dqz fracture	85	5	
ML04C10203	ML040203	2	SIL	PERV	Qtz/Dqz fracture	80	90	
ML04C10203	ML040203	1	HEM	PERV				
ML04C10203	ML040203	3	OZ	VN				
ML04C10204	ML040204	2	HE	IC				
ML04C10204	ML040204	1	HE	IRR				
ML04C10204	ML040204	3	BH	PERV				
ML04C10204	ML040204	2	WCY	IC				
ML04C10205	ML040205	2	SIL	PERV				
ML04C10205	ML040205	2	HE	PERV	Bedding	9	130	
ML04C10206	ML040206							
ML04C10207	ML040207	2	WCY	MTC				
ML04C10207	ML040207	1	HE	PERV				
ML04C10208	ML040208	3	SIL	PERV	Breccia	75	250	
ML04C10209	ML040209	1	SIL	PERV	Fracturing	85	100	
ML04C10209	ML040209	3	BH	PERV				
ML04C10209	ML040209	1	HE	IRR				
ML04C10210	ML040210	3	BH	PERV				
ML04C10210	ML040210	1	HE	IRR				
ML04C10210	ML040210	1	SIL	PERV				
ML04C10211	ML040211	1	SIL	PERV				
ML04C10211	ML040211	3	BH	PERV				
ML04C10211	ML040211	2	HE	SPOT				
ML04C10211	ML040211	1	HE	IRR				
ML04C10213	ML040213	3	HE	PERV				
ML04C10213	ML040213	2	GO	PERV				
ML04C10214	ML040214	1	SIL	PERV	Joint	82	354	
ML04C10214	ML040214	3	BH	PERV	Bedding	8	194	
ML04C10214	ML040214	1	HE	IRR	Joint	85	40	
ML04C10215	ML040215	1	SIL	PERV				
ML04C10215	ML040215	1	HE	IRR				
ML04C10215	ML040215	2	BH	PERV	Crossbedding	18	118	
ML04C10217	ML040217	3	HE	PERV				
ML04C10218	ML040218	3	BH	PERV	Bedding	4	80	
ML04C10218	ML040218	2	HE	LM				
ML04C10218	ML040218	1	SIL	PERV				
ML04C10219	ML040219	2	HER	PERV				
ML04C10219	ML040219	1	GO	VN				
ML04C10219	ML040219	2	DOZ	VUG				
ML04C10220	ML040220	2	HE	PERV				
ML04C10220	ML040220	2	GO	PERV				
ML04C10221	ML040221	2	BH	PERV				
ML04C10221	ML040221	1	HE	PERV				
ML04C10222	ML040222	2	ICY	MTC				
ML04C10222	ML040222	1	WCY	MTC				
ML04C10223	ML040223	2	CL	MTC				
ML04C10224	ML040224	3	BH	PERV				
ML04C10224	ML040224	1	WCY	DIS				
ML04C10224	ML040224	1	SIL	PERV				
ML04C10224	ML040224	1	HE	IRR				
ML04C10225	ML040225	1	HE	BIR				
ML04C10225	ML040225	1	HED	PERV	Joint	85	60	
ML04C10225	ML040225	2	BH	PERV	Bedding	2	125	
ML04C10225	ML040225	1	SIL	PERV				
ML04C10226	ML040226	3	HE	PERV				
ML04C10227	ML040227	2	HE	PERV				
ML04C10227	ML040227	3	OZ	BX				
ML04C10227	ML040227	2	SIL	PERV	Breccia	85	260	
ML04C10227	ML040227	1	WCY	STRT				
ML04C10228	ML040228	1	SIL	PERV				
ML04C10228	ML040228	1	HE	PERV	Riedel shears	48	355	north south trending breccia
ML04C10229	ML040229	2	GO	PERV				
ML04C10229	ML040229	3	HE	PERV				
ML04C10230	ML040230	1	HE	PERV	Joint	85	50	
ML04C10230	ML040230				Joint	85	330	
ML04C10230	ML040230	2	HE	BIR	Joint	85	280	
ML04C10231	ML040231	2	BH	PERV				
ML04C10231	ML040231	1	GO	PERV				
ML04C10231	ML040231	1	HE	PERV	Breccia	85	270	
ML04C10231	ML040231	2	SIL	FRAC	Breccia Fractur	87	210	Riedel primes
ML04C10231	ML040231	2	SIL	PERV	Breccia	80	255	
ML04C10233	ML040233	2	BH	PERV				
ML04C10233	ML040233	2	SIL	PERV				
ML04C10233	ML040233	3	SIL	FRAC				
ML04C10233	ML040233	2	HE	IRR	Breccia	75	122	
ML04C10234	ML040234	3	HS	MATR				
ML04C10234	ML040234	3	HE	MATR				
ML04C10236	ML040236	1	WCY	IC				
ML04C10236	ML040236	2	BH	PERV				
ML04C10236	ML040236	1	HED	IRR				
ML04C10236	ML040236	1	SIL	PERV				
ML04C10236	ML040236	1	HE	IRR				
ML04C10237	ML040237	3	GO	FRAC				
ML04C10237	ML040237	2	HE	PERV				
ML04C10238	ML040238	3	he	PERV	Bedding	19	150	
ML04C10238	ML040238	1	WCY	DIS	Joint	89	22	
ML04C10238	ML040238	1	BH	SURF	Crossbedding	35	168	
ML04C10238	ML040238	3	HER	SPOT				
ML04C10239	ML040239	3	LI	BN				
ML04C10239	ML040239	3	HE	BIR				
ML04C10241	ML040241	2	SIL	PERV				
ML04C10241	ML040241	2	HE	PERV				
ML04C10241	ML040241	1	WCY	MATR				
ML04C10242	ML040242	3	HEM	PERV				
ML04C10242	ML040242	2	LI	BIR				
ML04C10242	ML040242	2	HER	SURF				
ML04C10243	ML040243	1	HE	BIR	Crossbedding	18	165	
ML04C10243	ML040243	2	HER	SPOT				
ML04C10243	ML040243	1	WCY	DIS				
ML04C10243	ML040243	2	BH	PERV	Bedding	5	130	
ML04C20244	ML040244	3	SIL	PERV				
ML04C20244	ML040244	2	HE	BIR				
ML04C10244	ML040244	2	LI	IRR				
ML04C10244	ML040244	2	BH	IRR				
ML04C20244	ML040244	3	GXX	PERV				
ML04C10244	ML040244	3	HE	PERV				

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ML04C10245	ML040245	2	HE	IRR				
ML04C10245	ML040245	2	SIL	PERV	Breccia	35	140	
ML04C10245	ML040245	2	BH	IRR				
ML04C10245	ML040245	3	SIL	FRAC				
ML04C10246	ML040246	3	HED	PERV	Bedding	12	96	
ML04C10246	ML040246	2	WCY	MTC	Joint	75	296	
ML04C10246	ML040246	2	HER	SURF	Joint	75	215	
ML04C10247	ML040247	3	HE	PERV	Breccia	65	115	
ML04C10247	ML040247	3	RCY	STRT				
ML04C10247	ML040247	1	GXX	INT	Breccia	75	95	
ML04C10248	ML040248	1	U2nd	FRAC	Fracturing	85	85	mineralised joint/fracture trend
ML04C10248	ML040248	2	WCY	FRAC	Joint	35	142	
ML04C10248	ML040248	2	WCY	MTC				
ML04C10248	ML040248	3	GCY	MTC				
ML04C10249	ML040249	2	WCY	MTC	Qtz/Dqz fractur	85	304	
ML04C10249	ML040249	2	GCY	MTC	Joint	75	55	
ML04C10249	ML040249	2	DOZ	VN	Fracturing	65	70	mineralised fractures
ML04C10250	ML040250	2	CL	MTC	Qtz/Dqz fractur	75	84	
ML04C10250	ML040250	3	OZ	VN				
ML04C10250	ML040250	2	ICY	MTC	Qtz/Dqz fractur	80	140	mineralised trend
ML04C10251	ML040251							
ML04C10252	ML040252				Joint	30	235	
ML04C10252	ML040252				Joint	85	90	dominant joints
ML04C10252	ML040252				Joint	89	210	
ML04C10253	ML040253	2	ACY	MTC	Joint	80	300	
ML04C10253	ML040253				Joint	85	210	
ML04C10253	ML040253	2	HER	MTC	Joint	85	5	dominant joint
ML04C10253	ML040253	2	LI	BIR	Joint	25	270	
ML04C10254	ML040254	2	ICY	MTC				
ML04C10254	ML040254	2	he	IRR	Shearing			east west trending shearing
ML04C10254	ML040254	1	LI	IRR				
ML04C10255	ML040255	3	he	PERV				
ML04C10256	ML040256	1	U2nd	FRAC	Joint	85	70	weak jointing
ML04C10256	ML040256	2	HEM	IRR				
ML04C10256	ML040256	2	WCY	MTC	Joint	85	325	mineralised trend
ML04C10256	ML040256	2	SE	PERV	Joint	82	45	
ML04C10257	ML040257	2	WCY	PERV	Joint	75	137	
ML04C10257	ML040257	3	BH	PERV	Joint	85	178	
ML04C10257	ML040257	3	WCY	MTC	Joint	70	150	drusy quartz also along trend
ML04C10257	ML040257	2	SE	MTC	Joint	75	88	
ML04C10257	ML040257	1	he	SURF				
ML04C10258	ML040258	2	SE	MTC				
ML04C10258	ML040258	3	OZ	PERV	Breccia	85	250	
ML04C10258	ML040258	2	he	IRR				
ML04C10259	ML040259	3	HEM	PERV	Foliation	75	50	
ML04C10260	ML040260	1	HEM	SURF				
ML04C10260	ML040260	2	HEM	PERV	Bedding	5	90	
ML04C10260	ML040260	1	WCY	DIS				
ML04C10261	ML040261				Bedding	60	70	localised rotated bedding
ML04C10261	ML040261	1	he	BIR	Bedding	30	140	localised rotated bedding
ML04C10261	ML040261				Bedding	20	154	localised rotated bedding
ML04C10261	ML040261				Bedding	82	30	localised rotated bedding
ML04C10261	ML040261	3	SIL	PERV	Bedding	40	70	localised rotated bedding
ML04C10262	ML040262	3	HER	PERV				
ML04C10262	ML040262	3	LI	BIR				
ML04C10263	ML040263	3	he	PERV				
ML04C10264	ML040264	2	HEM	SURF	Joint	89	75	
ML04C10264	ML040264	3	HEM	XTAL				
ML04C10264	ML040264	1	DOZ	VN	Joint	80	60	
ML04C10264	ML040264	1	he	IRR	Bedding	5	172	
ML04C10264	ML040264	2	OZ	VN	Qtz/Dqz fractur	87	20	
ML04C10264	ML040264	2	SIL	PERV	Joint	78	340	
ML04C10265	ML040265	3	HE	PERV				
ML04C10266	ML040266	3	he	PERV				
ML04C10267	ML040267	3	BH	PERV	Breccia	85	340	
ML04C10267	ML040267	2	HER	FRAC	Fracturing	89	260	
ML04C10267	ML040267	2	GO	FRAC				
ML04C10267	ML040267	1	WCY	FRAC				
ML04C10268	ML040268	2	BH	PERV				
ML04C10268	ML040268	2	SIL	PERV				
ML04C10268	ML040268	1	he	IRR				
ML04C10268	ML040268	2	he	SURF				
ML04C10269	ML040269	3	he	PERV				
ML04C10270	ML040270	3	he	PERV				
ML04C10270	ML040270	3	HS	BN				
ML04C10271	ML040271	1	OZ	XTAL				
ML04C10271	ML040271	1	WCY	VUG				
ML04C10271	ML040271	3	HS	XTAL				
ML04C10271	ML040271	3	he	PERV				
ML04C10272	ML040272	1	LI	SPOT				
ML04C10272	ML040272	3	BH	PERV				
ML04C10272	ML040272	2	WCY	MTC	Bedding	27	154	
ML04C10274	ML040274	1	WCY	DIS				
ML04C10274	ML040274	1	SIL	PERV				
ML04C10274	ML040274	3	BH	PERV	Bedding	54	350	
ML04C10275	ML040275	3	HEM	PERV				
ML04C10275	ML040275	2	he	FRAC	Fracturing	52	170	
ML04C10276	ML040276	1	CL	MTC				
ML04C10276	ML040276	2	he	PERV	Fracturing	75	20	
ML04C10277	ML040277							
ML04C10277	ML040277				Bedding	40	90	layering within volcanoclastics
ML04C10278	ML040278	2	CL	MTC				
ML04C10278	ML040278	1	LI	MTC				
ML04C10278	ML040278	2	ICY	PERV				
ML04C10279	ML040279							
ML04C10280	ML040280	2	LI	PERV	Fracturing	80	270	
ML04C10280	ML040280				Fracturing	70	40	
ML04C10280	ML040280				Fracturing	70	194	
ML04C10280	ML040280				Fracturing	79	6	
ML04C10280	ML040280				Shearing	85	100	trend of radioactivity and coincident shearing
ML04C10281	ML040281	3	he	PERV	Fracturing	70	276	
ML04C10281	ML040281	2	ICY	PERV	Breccia Fractur	60	80	Riedel primes?
ML04C10281	ML040281	2	GO	PERV	Shearing	85	230	
ML04C10282	ML040282	2	HER	VUG				
ML04C10282	ML040282	1	LI	SPOT				
ML04C10282	ML040282	2	ICY	PERV				
ML04C10284	ML040284	1	SIL	PERV	Joint	85	240	
ML04C10284	ML040284	2	ICY	IC				
ML04C10284	ML040284	1	ICY	LM	Joint	85	25	
ML04C10284	ML040284	3	BH	PERV	Silicified fractur	86	110	
ML04C10285	ML040285	2	HE	PERV				
ML04C10285	ML040285	3	HE	MTC				
ML04C10285	ML040285	2	ICY	MTC				
ML04C10285	ML040285	2	LI	SPOT				
ML04C10285	ML040285	3	GCY	IC	Bedding	20	150	
ML04C10286	ML040286	2	he	PERV	Bedding	32	120	
ML04C10286	ML040286	1	ICY	MTC				

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Station Number	Sample Number	Alteration Intensity	Alteration	Alteration Distribution	Structure	Inclination	Dip Direction	Comments
ML04C10287	ML040287	2	LI	PERV				
ML04C10287	ML040287	3	he	PERV				
ML04C10288	ML040288	2	LI	PERV				
ML04C10288	ML040288	3	he	PERV				
ML04C10289	ML040289	3	he	PERV	Bedding	18	112	
ML04C10289	ML040289				Breccia	70	25	
ML04C10289	ML040289				Breccia	70	34	
ML04C10289	ML040289	1	SIL	PERV	Bedding	18	86	
ML04C10290	ML040290	3	HEM	PERV	Joint	78	283	
ML04C10290	ML040290	2	HS	PERV				
ML04C10290	ML040290	2	BH	BLOT				
ML04C10290	ML040290	1	WCY	DIS				
ML04C10291	ML040291	2	HEM	PERV	Bedding	18	112	
ML04C10291	ML040291	1	LI	PERV				