

DataSet	Prospect	Rig	Hole_ID	mFrom	mTo	Formation	Rock1	Rock2	Rock1_Qual	Rock2_Qual	Colour	Regolith	Reg_Qual	Shear	Sulph+Ore_%	Sulph+Ore_Type	Vn_Type	Vn_%	Vn_Qual	Int_Alt	Alt_Type	Alt_Qual	Description
KUTh_2008	SEL 26/2005	RC	K26DD018	0	3	JDI	JDD		Y/OP		O/B/A2	LSAP	F										Lower saprolite. Weathered insitu dolerite. Predominantly ferruginous weathered dolerite chips intermixed with dark grey fresher dolerite coarse sand sized fragments. Clay proportion <30%.
KUTh_2008	SEL 26/2005	RC	K26DD018	3	6	JDI	JDD		OP/Y		A2/O/B	SAPRK	F										Fresh grey/black ophitic dolerite gravel with Fe stained clay and minor weathered plagioclase + clay. Clay proportion 5 - 10%.
KUTh_2008	SEL 26/2005	RC	K26DD018	6	9	JDI	JDD		OP/Y		A2/O/B	SAPRK	F										Fresh grey/black ophitic doleritic coarse sandy gravel intermixed with weathered Fe stained coarse sandy gravelly dolerite sized grains with weathered plagioclase + clay. Clay proportion 30 - 40%.
KUTh_2008	SEL 26/2005	RC	K26DD018	9	12	JDI	JDD		OP/Y		A2/O/B	SAPRK	F										As above with grain size increasing.
KUTh_2008	SEL 26/2005	RC	K26DD018	12	15	JDI	JDD		OP/Y		A/A2/O/B	SAPRK	F										As above becoming increasingly weathered.
KUTh_2008	SEL 26/2005	RC	K26DD018	15	18	JDI	JDD		OP/Y		A/A2/O/B	SAPRK	F				B/Q						Predominance of weathered dolerite. Minor carbonate present. Fe stained clay approx <5%.
KUTh_2008	SEL 26/2005	RC	K26DD018	18	21	JDI	JDD		OP		A2/O/B	FRESH	F				B/Q						Fresh grey/black coherent ophitic dolerite. Dolerite gravel particle size increasing, with VERY minor weathered plagioclase and minor carbonate. Clay proportion <2%
KUTh_2008	SEL 26/2005	RC	K26DD018	21	24	JDI	JDD		OP		A2/O/B	FRESH	F										Fresh grey/black ophitic dolerite, gravel sized particles and minor clay (proportion: 1-5%)
KUTh_2008	SEL 26/2005	RC	K26DD018	24	27	JDI	JDD		OP		A2/O/B	FRESH	F										Fresh grey/black ophitic dolerite. Coarse doleritic sand - gravel sized particles, minor clay (proportion <1%). Very minor weathered joints/fractures present.
KUTh_2008	SEL 26/2005	RC	K26DD018	27	30	JDI	JDD		OP		A2/O/B/W	FRESH	F				B/Q	0.5					As above with slight increase in proportion of weathered dolerite gravelly particles.
KUTh_2008	SEL 26/2005	RC	K26DD018	30	33	JDI	JDD		OP		A2/A/B1	FRESH	F										As above with an increase in gravel proportion. Weathered joints/fractures still persistent within the dolerite. Seen as individual weathered Fe stained gravelly dolerite fragments.
KUTh_2008	SEL 26/2005	RC	K26DD018	33	36	JDI	JDD		OP		A2/A/B1	FRESH	F										As above.
KUTh_2008	SEL 26/2005	RC	K26DD018	36	39	JDI	JDD		OP		A2/A/B1	FRESH	F										As above.
KUTh_2008	SEL 26/2005	RC	K26DD018	39	42	JDI	JDD		OP		A2/O/B/W	FRESH	F				B/Q	0.5					As above with minor quartz/carbonate vein fragments within dolerite gravel.
KUTh_2008	SEL 26/2005	RC	K26DD018	42	45	JDI	JDD		OP		A2/A1/B/W	FRESH	F				B/Q	0.5		20	CH	VP	Fresh dark grey ophitic dolerite gravel fragments mixed with quartz carbonate and possible sericite. Interpreted to have come from mm scale veins which are weakly chlorite altered.
KUTh_2008	SEL 26/2005	RC	K26DD018	45	57	JDI	JDD		OP		A2/A/W	FRESH	F				B/Q	0.5		20	CH	VP	As above
KUTh_2008	SEL 26/2005	RC	K26DD018	57	60	JDI	JDD		OP		A2/A/B/R	FRESH	F										Predominantly fresh ophitic coarse sandy to gravelly sized dolerite grains mixed with Fe stained (weathered - weathering not weak or strong) gravelly dolerite fragments.
KUTh_2008	SEL 26/2005	RC	K26DD018	60	63	JDI	JDD		OP		A2/A	FRESH	F										Fresh ophitic gravelly dolerite.
KUTh_2008	SEL 26/2005	RC	K26DD018	63	66	JDI	JDD		OP		A2/A	FRESH	F										As above.
KUTh_2008	SEL 26/2005	RC	K26DD018	66	75	JDI	JDD		OP		A/A2/B/W	FRESH	F				B/Q	0.5		20	CH	VP	Predominantly fresh gravelly dolerite fragments intermixed with minor (5 - 15%) brown Fe stained dolerite grains and lesser (<5%) grey doleritic clay adhering to some gravel surfaces. Interpreted to be a small fault/clay filled fracture.
KUTh_2008	SEL 26/2005	RC	K26DD018	75	78	JDI	JDD		OP		A/A2/B/W	FRESH	F				B/Q	0.5		20	CH	VP	As above with decreasing proportion of grey clay (<1%)
KUTh_2008	SEL 26/2005	RC	K26DD018	78	81	JDI	JDD		OP		A/B/W	FRESH	F				B/Q	0.5		20	CH	VP	Predominantly fresh gravelly dolerite fragments intermixed with minor (5 - 15%) brown Fe stained dolerite grains and lesser (<5%) grey doleritic clay adhering to some gravel surfaces

KUTh_2008	SEL 26/2005	HQ	K26DD018	101.9	104.24	JDI	JDD		OP		A	FRESH	F		0.1	PY						Fine to medium grained competent dolerite - very weakly magnetic. 104.24m: Zeolite carbonate vein x-cutting dolerite. Dip approx 30degrees <1mm wide with patchy chlorite alteration and disseminated pyrite (much less than 0.5%)	
KUTh_2008	SEL 26/2005	HQ	K26DD018	104.24	104.61	JDI	JDD		OP		A	FRESH	F		0.1	PY						Fine to medium grained competent dolerite - very weakly magnetic. 104.61m: Zeolite vein with very minor carbonate. Chlorite ~5%. Dip 40 degrees. <0.5mm thick.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	104.61	105.6	JDI	JDD		OP		A	FRESH	F		0.1							Dolerite as above.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	105.6	105.78	JDI	JDD				W			5	0.1	PY	TC/B	1	S	8	CH	VP	3 parallel talc carbonate veins within Jd with very minor pyrite and chlorite (<10%). Dip 50degrees. All 3 veins are around 5mm thick.
KUTh_2008	SEL 26/2005	HQ	K26DD018	105.78	116.52	JDI	JDD		OP		A	FRESH	F									Dolerite as above. 116.52m: Minor talc and calcite with possible zeolite vein. Dip ~34degrees. 11mm thick. Chlorite ~5%.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	116.52	123.6	JDI	JDD		OP		A/W	FRESH	F	30			Z/B	3	S			Zeolite vein - a possible minor fault with movement likely to be cm scale or less - sense of movement undetectable in hand specimen. Vein approx 1cm thick dipping irregularly but generally around 72degrees.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	123.6	124.9	JDI	JDD		OP		A	FRESH	F									Competent fine to medium grained dolerite with very fine black hairlike vein. Vein is soft ~2. Likely to be biotite. 124.9m: Talc calcite vein with minor chlorite. Vein ~ 1cm thick. Dip ~65degrees.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	124.9	125.4	JDI	JDD		OP		A	FRESH	F									Competent fine to medium grained dolerite with very fine black hairlike vein. Vein is soft ~2. Likely to be biotite.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	125.4	125.6	JDI	JDD		OP		A	FRESH	F	10			Z/B	3	S	10	CH	VP	Fractured dolerite 1-2mm zeolite veins with minor carbonate. 3 vein sets -1 dipping 35degrees containing zeolite & chlorite. 2 comprised of zeolite and chlorite (90degrees to 1 - in the horizontal plain) dipping approx 50degrees. 3 - steeply dipping irregularly around 70degrees. Contains carbonate (likely to be calcite) and no chlorite.
KUTh_2008	SEL 26/2005	HQ	K26DD018	125.6	129.3	JDI	JDD		OP		A	FRESH	F									Competent fine to medium grained dolerite. 129.3m: Steeply dipping ~ 80degrees zeolite with minor carbonate vein/minor fault. Chloritic.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	129.3	154	JDI	JDD		OP		A	FRESH	F									Competent fine to medium grained dolerite.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	154	155.44	JDI	JDD				W						C	1	S			Vuggy calcite vein ~5mm thick dipping ~86degrees - no sense of movement	
KUTh_2008	SEL 26/2005	HQ	K26DD018	155.44	187.5	JDI	JDD		OP		A	FRESH	F									Competent fine to medium grained dolerite.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	187.5	188.06	JDI	JDD				W			30			Z	4	S			Small fault along sub mm thick zeolite filled vein - very straight - dipping steeply around 86 degrees. Core broken into blocks.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	188.06	189.74	JDI	JDD		OP		A	FRESH	F									Competent fine to medium grained dolerite.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	189.74	190.14	JDI	JDD		VFG		D	FRESH	F	5								Chilled margin within the dolerite becoming darker with decreasing crystal size to aphanitic at contact and black at 194.19m.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	190.14	190.47	Ru	MSU		HF		O/B	FRESH	F	40								Fe stained hornfelsic mudstone - bedding horizontal.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	190.47	191.9	Ru	MSU		HF		O/B	FRESH	F	40								Interbedded quartz sandstone and mudstones.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	191.9	193.9	Ru/Jdl	JDD	MSS	VFG	HF	A/D/A2	FRESH	F									Contact from grey hornfelsic medium grained grey quartz sandstone into black aphanitic chilled dolerite margin becoming more crystalline towards 192.6m. - Dolerite very magnetic.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	193.9	195	JDI/Ru	JDD	MSU	VFG	HF	A2/D/A	FRESH	F									Very fine grained dolerite becoming black and aphanitic at contact (194.2m) to hornfelsic aureole extending approx 10cm from contact. Fine grained cross-bedded grey silty sandstone grading into medium grained grey calcareous quartz sandstone. These units are interbedded. Some facies contain clay pellets which are typically well rounded and possibly imbricated. Bed thickness variable but typically around 30cm or less. Carbonate present within the matrix of the sandstone.	
KUTh_2008	SEL 26/2005	HQ	K26DD018	195	204.67	Ru	MSS	MSU	MA	Y	O/B/A	FRESH	F						80	MT	UP	Grey mudstone grading into dominantly light grey to orange brown medium grained sandstones with subordinate orange brown mudstone becoming almost absent between 196.02 to 204.68m. Magnetite rich zones @ 199.53m and very strongly magnetic @199.61m, 200.43 and 200.9m. Magnetite within clay pellets strataform. These zones are typically <1.5cm in thickness and bordered by aureoles of light grey medium grained quartz sandstone. Magnetite facies are typically black with discontinuous anastomosing mm to sub-mm scale dark bands and constitute <1% of this interval. Competence of core is moderately poor.	

KUTh_2008	SEL 26/2005	HQ	K26DD018	204.67	204.97	Ru	MSU	MSS	MA		O/B/A	FRESH	F									Interbedded pink to brown to dark brown clay intraclasts typically ~2cm thick up to 7cm thick. Irregularly spaced within grey to light grey medium grained sandstone. Doesn't fizz, beds sub-horizontal.
KUTh_2008	SEL 26/2005	HQ	K26DD018	204.97	208.2	Ru	MSS		MA		A1	FRESH	F									Light grey massive medium grained quartz sandstone. Doesn't fizz. Becoming weakly magnetic around 208m and "spotted". Spots are disseminated, black and generally mm scale. Likely to be magnetite.
KUTh_2008	SEL 26/2005	HQ	K26DD018	208.2	230.9	Ru	MSS	MSU	MA			FRESH	F									Magnetite altered medium grained light grey/grey/black sandstone with dark brown to black clay pellets and mudstone intraclasts. Mudstones are significantly more magnetic than the sandstones. Magnetite alteration starts as disseminated @207m becoming pervasive within the mudstones @208.9m. Mudstone intraclasts are laminated with zones of cross bedding. The sandstone is clast supported quartz sandstone with minor to absent carbonate cement/matrix. 211.76m anastomosing magnetite staining within the quartz sandstone dipping >40degrees. Sandstone bedding is generally sub-horizontal compared to the staining. Pervasive alteration between 217.99 to 219.05m within medium grained sandstone. Core competence moderate to poor with breaks typically every 33cm or less. 219.2m sandstone grading from pervasive magnetite alteration to disseminated alteration becoming weaker to no alteration @ 229.3m. Biotite common.
KUTh_2008	SEL 26/2005	HQ	K26DD018	230.9	238.67	Ru	MSS		LA/MA		A/A2/D	FRESH	F									Finely laminated to massive medium grained grey quartz with subordinate dark grey to black interbeds. Bedding sub-horizontal with very minor carbonate within the matrix.
KUTh_2008	SEL 26/2005	HQ	K26DD018	238.67	242.52	Ru	MSS		LA/MA		O/B	FRESH	F									Dominantly orange brown to very pale orange brown medium grained quartz sandstone with subordinate to minor orange yellow brown lutite. Disseminated pyrolusite/manganese within orange sandstone sequences.
KUTh_2008	SEL 26/2005	HQ	K26DD018	242.52	243.22	Ru	MSS		LA		A/O/Y/B	FRESH	F									Interbedded subordinate grey to orange/yellow/brown medium grained sub-horizontal sandstone with green grey to red brown subhorizontal mudstone. Units cm scale or less. Minor pyrolusite/manganese.
KUTh_2008	SEL 26/2005	HQ	K26DD018	243.22	251.9	Ru	MSS		LA/MA		O/Y/B	FRESH	F									Orange yellow brown medium grained quartz sandstone - sub-horizontal with moderate competence. Common biotite "spots" ?disseminations typically cm scale throughout interval. Pyrolusite as above.