Data Set	Prospect	Hole_ID	Rig	m From	mTo	Formation	Rock 1	Rock 2	Rock 1_ Qual	Rock 2_ 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	SEL26/2005	K26DD022	RC	0	3	SDs	OST	OSQ			A/B	SAPRK											Finely laminated serricitic quartz silty sandstones (bedding thickness interpreted to be mm scale) and siltstone with minor black carbonaceous shale.
KUTh_2008	SEL26/2005	K26DD022	RC	3	6	SDs	OST	OSQ			A/B	SAPRK											As above with increasing proportion of clay and a reduction in Fe staining.
KUTh_2008	SEL26/2005	K26DD022	RC	6	18	SDs	OST	OSQ			A/B/D	SAPRK											Black carbonaceous shaly siltstone becoming equal in proportion to finely laminated serricitic quartz silty sandstone with Fe staining common.
KUTh_2008	SEL26/2005	K26DD022	RC	18	24	SDs	OSB	OSQ			D/A	FRESH			1	PY							Black carbonaceous shaley siltstone dominant with subordinate grey quartz silty sandstone. Minor pyrite.
KUTh_2008	SEL26/2005	K26DD022	RC	24	30	SDs	OSB	OSQ			D	FRESH			1	PY							As above with increasing proportion of black shaley siltstone.
KUTh_2008	SEL26/2005	K26DD022	RC	30	36	SDs	OSB	OSQ			A/D	FRESH											Grey quartz silty sandstone with finely laminated black carbonaceous siltstone.
KUTh_2008	SEL26/2005	K26DD022	RC	36	102	SDs	OSB	OSQ			A	FRESH			1	PY							Black carbonaceous shaley siltstone with minor disseminated pyrite. Occasional/rare lenses of grey quartz siltstone subordinate to the black shale.
KUTh_2008	SEL26/2005	K26DD022	DD	102.00	102.70	SDs	OST		FO/FT		D/A	FRESH		40	3	PY							Black graphitic pyritic shale. Pyrite porphyroblasts developed along sub - horizontal cleavage plains (dipping ~15 degrees). Core very strongly foliated and folded. Folding is predominantly isoclinal recumbent with subordinate ptigmatic folds also present - all folds strongly sheared. Folding most obvious within minor (cm scale) light grey quartz sandstone units within the black shale. Bedding highly variable in orientation with the structures suggesting an overall highly folded and generally vertical trend to the bedding.
KUTh_2008	SEL26/2005	K26DD022	DD	102.70	106.32	SDs	OST		FO/FT		D	FRESH		40	3	PY							As above with increasing void frequency (caused by weathering/remobilisation of pyrite). Voids mostly appearing as dots in the core but becoming cm scale @ 105m. Very minor talc on some fracture surfaces. Zeolites also present within fracture surfaces. Some porphyroblastic pyrite displaying a component of clockwise rotation.
KUTh_2008	SEL26/2005	K26DD022	DD	106.32	108.40	SDs	OST		FO/FT		D	FRESH		40	3	PY	Q	0.5	T/B				Cm thick light grey qtz rich quartzwacke beds within the black shaley graphitic pelite - folded as above (cm scale). 106.80m Black graphitic shales becoming increasingly pyritic - disseminated within this zone (Py ~5%). 108.4m 2mm thick quartz vein with minor pyrite.
KUTh_2008	SEL26/2005	K26DD022	DD	108.40	110.20	SDs	OST		FO/FT		D	FRESH		40	3	PY	Q						Quartzwacke beds as above
KUTh_2008	SEL26/2005	K26DD022	DD	110.20	110.50	SDs	OSS	OST	FO/FT	FO/FT	A/D	FRESH		20	3	PY							quartzwacke beds folded as above. Beds at 110.2m are more heavily deformed and more tightly folded with a smaller magnitude and wavelength than the quartzwacke beds at 110.5m. Beds are around 2cm thick. True thickness very difficult to determine due to deformation and folding. Folding within the black shales very hard to see due to the massive structure of the beds and colour.
KUTh_2008	SEL26/2005	K26DD022	DD	110.50	112.00	SDs	OST		FO/FT		A/D	FRESH		40	3	PY							Black pyritic shale.
KUTh_2008	SEL26/2005	K26DD022	DD	112.00	112.25	SDs	OST					FRESH		40			Z	0.5	S				Pyritic carbonaceous shale with 3 parallel zeolite vein sets each <1 mm thick at 112, 112.04 & 112.08m. Veins undeformed. Dip ~30 degrees.
KUTh_2008	SEL26/2005	K26DD022	DD	112.25	112.53	SDs	OST					FRESH		40			Q/Y	20	E				Very pyritic quartz lenses with carbonaceous shale. Py 10 - 30%.
KUTh_2008	SEL26/2005	K26DD022	DD	112.53	120.20	SDs	OST		FO/FT		D	FRESH		40	3	PY							Very fine sub - vertical hair like fault with pyrite infill along mm to cm scale jogs within black pyritic pelitic shale. Sense of movement dextral dip slip and likely to be mm to cm scale only. Uncommon.113.40 Pyrite occuring along bedding planes, as clots within the black graphitic shale, along minor faults and as mm scale lenticular bodies on cleavage plains. Some lenticular bodies infilled with ?zeolite (colour white, hardness 3 to 4, non reactive to acid). Many of the bodies within the shale are vuggy or contain cavities from the removal of pyrite giving the core a dotted appearance.
KUTh_2008	SEL26/2005	K26DD022	DD	120.20	136.00	SDs	OST		FO/FT		D	FRESH		40	3	PY							Core competence moderate to this point becoming poor to 129.5m. 131.50 Black pyritic shale becoming lighter in colour as proportion of quartwacke increases. Bedding dipping ~45 degrees. Cleavage dipping ~12 degrees. 134.44 Minor breciated fracture fill containing talc and minor epidote. Black shaley pelite becoming very pyritic 10 - 30%
KUTh_2008	SEL26/2005	K26DD022	DD	136.00	137.20	SDs	OST		FO/FT		D	FRESH		40	0.5	PY							Fracture plain seen intermittently throughout the hole (approx every 10metres) dipping ~85 degrees to horizontal - typically barren with minor talc.
KUTh_2008	SEL26/2005	K26DD022	DD	137.20	148.30	SDs	OSS	OST	FO/FT	FO/FT	A/D	FRESH		20	3	PY							Highly sheared light grey quartzwacke unit with small cavities where pyrite has been weathered out. 146.87 Pyrite porphyroblasts with element of clockwise rotation following bedding plain dipping ~50 degrees. 6 x 8cm pyrite clot @ 147.50m.
KUTh_2008	SEL26/2005	K26DD022	DD	148.30	166.50	SDs	OST		FO/FT		D/A	FRESH		40	3	PY							Black pelitic carbonaceous shale becoming lighter with increasing proportion of grey quartwacke. Pyritic. Core becoming very broken and fissile around 153 to 159m. Fault breccia at 151.7m. Increasing proportion of talc. This section displays the greatest amount of faulting/fracturing within the entire hole. 164.33m Ptigmatic, isoclinal, recumbent and disharmonic folds within quartzwacke beds. Beds cm scale within black pelitic shale.
KUTh_2008	SEL26/2005	K26DD022	DD	166.50	166.8	SDs	OST		FO/FT		D	FRESH		20	1	PY							Light grey coarser grained qtz rich unit.
KUTh_2008	SEL26/2005	K26DD022	DD	166.80	182.1	SDs	OST		FO/FT		D	FRESH		40	3	PY							166.80m Grading back into black pyritic pelitic carbonaceous shale. 172.34 grading into a very fractured broken blocky zone to 175m. Core very broken and fissile around 172.5m.
KUTh_2008	SEL26/2005	K26DD022	DD	182.10	194.25	SDs	OSS	OST	FO/FT		D/A	FRESH		40	3	PY							182.10m Bedding dipping ~ 30 degrees. Lighter grey unit approx 30cm thick (apparent thickness). The lighter sandier units contain the majority of the vuggy texture. Massive black shaley pelite unit below. 190m Becoming very fissile between 190.6 & 192.18m. Proportion of talc increasing (<1%) within this interval. Core competence improves between 192.21 and 193.3m.
KUTh_2008	SEL26/2005	K26DD022	DD	194.25	201	SDs	OST		FO/FT		D/A	FRESH		40	3	PY							Light grey pyritic quartz siltstone units, repeated @ 200.4 & 200.46m. Beds dipping ~ 15 degrees.
KUTh_2008	SEL26/2005	K26DD022	DD	201	201.1	SDs	OST		FO/FT		D/A	FRESH		40	3	PY							As above with the bedding steepening to around 25 degrees.
KUTh_2008	SEL26/2005	K26DD022	DD	201.1	218.1	SDs	OST	OSS	FO/FT		D/A	FRESH		40	3	PY							Increasing proportion of grey sandy siltstone units - typically < 10cm thick (10 individual beds within this interval). Dips are typically between 20 to 45 degrees. Dominant lithology pyritic black pelitic shale.
KUTh_2008	SEL26/2005	K26DD022	DD	218.1	224.43	SDs	OSS		FT		A/A2	FRESH		40	0.5	PY							Change in rock type from black carbonaceous shales to light grey sericitic quartzwacke with sandstone dominant units. Introduction of vuggy quartz carbonate veins with boxwork geometry typically sub vertical and sub horizontal orientations and mostly 1 to 2cm thick. 221.02m Steeply dipping quartz carbonate vein. Strongly pitted/bladed texture from the removal of pyrite. Dip ~ 70 degrees. Expression of cleavage pervasive making it difficult to discern bedding throuought the rest of the hole.
KUTh_2008	SEL26/2005	K26DD022	DD	224.43	229.3	SDs	OSS		FT		A/W	FRESH		30	0.5	PY	Q/Y	1	X	20	SR	SSB	Quartz vein folded into a synform. Vein ~ 1.5cm thick. Talc common on cleavage faces. 227.40m <1 cm thick talc rich fault. Rock very broken with a grey clayey matrix.
KUTh_2008	SEL26/2005	K26DD022	DD	229.3	230.65	SDs	OSS		FT		A	FRESH		35									Very minor fault with quartz veins dipping around 25 degrees and 8mm thick. Brecciation present and deformation evident. 229.8m Antiform highly fractured = brittle/ductile deformation. Antiform open and gently folded.
KUTh_2008	SEL26/2005	K26DD022	DD	230.65	237.9	SDs	OSS		FT		A	FRESH		30									Beds dipping approx 32 degrees. Light grey siltstone contacting sandstone dominant quartwacke. Beds overturned.
KUTh_2008	SEL26/2005	K26DD022	DD	237.9	238.02	SDs	OSS		FT		A	FRESH		30	0.5	PY	Q/Y	1	X	20	SR/CH	SSB/VP	Vuggy quartz vein with minor patchy chlorite and minor pyrite.
KUTh_2008	SEL26/2005	K26DD022	DD	238.02	252.2	SDs	OSS		FT		A	FRESH		30	0.05	PY				20	SR	SSB	Sericitic quartwacke with sandstone, siltstone, mudstone with siltstone dominant. Pyrite <0.5% found mainly proximal to quartz veins. Qtz veins b/w 240.8 + 243.6m vuggy. Sediments upright at 249.74m.