

DataSet	Prospect	Hole_ID	mFrom	mTo	Formation	Rock1	Rock2	Rock1_Qual	Rock2_Qual	Colour	Regolith	Reg_Qual	Shear	Sulph+Ore_ %	Sulph+Ore_Typ e	Vn_Type	Vn_ %	Vn_Qual	Int_Alt	Alt_Type	Alt_Qual	Description
KUTH_2008	SEL26/2005	K26DD010b	0	0.16	Tb	TBP		V		A1	FRESH	S							80	SI	U	Grey silicified vesicular amygdaloidal Tertiary basalt
KUTH_2008	SEL26/2005	K26DD010b	0.16	0.5	Ts	LCY		Y		W	USAP											White Tertiary smectitic clay
KUTH_2008	SEL26/2005	K26DD010b	0.5	0.88	Tb	TBP		V		A1	FRESH	S							80	SI	U	Grey silicified vesicular amygdaloidal Tertiary basalt
KUTH_2008	SEL26/2005	K26DD010b	0.88	1.4	Ts	TSS		S		Y/B1	SAPRK											Pale yellow light brown feldspathic fine grained sandstone.
KUTH_2008	SEL26/2005	K26DD010b	1.4	1.53	Ts	LCY				B2	USAP											Dark brown clayey soil.
KUTH_2008	SEL26/2005	K26DD010b	1.53	1.65	Tb	TBP		V		A1	FRESH	S							80	SI	U	Grey silicified vesicular amygdaloidal Tertiary basalt
KUTH_2008	SEL26/2005	K26DD010b	1.65			TSS		S		Y/B1	SAPRK											Pale yellow light brown feldspathic fine grained sandstone.
KUTH_2008	SEL26/2005	K26DD010b	3	3.6	Tb	TBP		V		A1	FRESH	S							80	SI	U	Grey silicified vesicular amygdaloidal Tertiary basalt
KUTH_2008	SEL26/2005	K26DD010b	3.6	13.19	Ru	LCY		Y		W	USAP											White smectitic clay
KUTH_2008	SEL26/2005	K26DD010b	13.19	17.89	Jdl	JDD		FR		O/B	SAPRK	F										Onion skin weathered coarse grained dolerite. Heavily Fe stained with sparse clay filled fractures typically spaced <10cm but up to 15cm. Breaks (joints) typically sub-horizontal.
KUTH_2008	SEL26/2005	K26DD010b	17.89	27.44	Jdl	JDD		FR		A2/O/B	SAPRK/FRESH	F				B	1	S				Dark grey coarse grained dolerite - broken and blocky. Breaks becoming less regular and less weathered below 28metres. Becoming increasingly competent below 21.6m with fracture spacings increasing to 20 to 30cm's or greater. Weakly magnetic becoming variable to moderately magnetic below 21m. Some breaks contain minor carbonate but most are weathered & Fe stained with little to no clay.
KUTH_2008	SEL26/2005	K26DD010b	27.44	32.12	Jdl	JDD		CG		A2	FRESH	F				B	1	S				Moderately competent to competent coarse grained dolerite
KUTH_2008	SEL26/2005	K26DD010b	32.12	32.18	Jdl	JDD				G/A						TC	1	S	20	CH	VP	Green/grey talc vein >cutting dolerite. Dip >20degrees. Vein thickness >2cm.
KUTH_2008	SEL26/2005	K26DD010b	32.18	44.85	Jdl	JDD		CG		A2	FRESH	F										Competent coarse grained weakly magnetic dolerite with little variation in crystal size.
KUTH_2008	SEL26/2005	K26DD010b	44.85	45.65	Jdl	JDD		CG		A2	FRESH	F							20	CH	VP	Competent dolerite with 2 vein sets - 1 sub vertical filled with calcite with quartz/zeolite selvage 1 to 2 mm wide. The second dips ~15degrees and is x-cut by the sub-vertical vein and off set by ~ 3.5cm sinistral dip slip. Vein is 3 to 4mm thick.
KUTH_2008	SEL26/2005	K26DD010b	45.65	97.99	Jdl	JDD		CG		A2	FRESH	F							20	CH	VP	Coarse grained competent dolerite with very sparse to rare minor carbonate/zeolite veins <3mm thick and typically sub-vertical.
KUTH_2008	SEL26/2005	K26DD010b	97.99	100.75	Jdl	JDD				W/G1						B/Z	3	S	20	CH	VP	Vuggy, drusy sub-vertical <4mm thick carbonate zeolite vein with minor patchy chlorite selvage along vein margins.
KUTH_2008	SEL26/2005	K26DD010b	100.75	116.44	Jdl	JDD		CG		A2	FRESH	F										Competent coarse grained weakly magnetic dolerite with little variation in crystal size. 111.94m Gypsum, carbonate vein <3mm thick dipping ~58 degrees.
KUTH_2008	SEL26/2005	K26DD010b	116.44	119.62	Jdl	JDD		CG		A2	FRESH	F				G/B/TC/Z	7		10	CH	VP	Dolerite becoming broken as a result of gypsiferous zeolite vein with minor talc and carbonate. Chlorite alteration patchy and associated with vein plumbing. Vein subvertical & white. Minor vugs of calcite with patchy drusy texture scattered along vein.
KUTH_2008	SEL26/2005	K26DD010b	119.62	134.36	Jdl	JDD		CG		A2	FRESH	F										Competent coarse grained variably magnetic (weak to moderately magnetic) dolerite with little variation in crystal size.
KUTH_2008	SEL26/2005	K26DD010b	134.36	143.6	Jdl	JDD		CG		L1/A	FRESH	F				B/C	1	S	30	KF	U	Subhedral to Euhedral distinct pyroxene phenocrysts. Approx 5-10% fine grained black mafics throughout the groundmass. Minor veining, making up about 1% of the interval, steeply dipping, white to yellow carbonates. Also includes minor subhedral crystals within (1cm thick) vein. Towards the end of the interval, groundmass often includes minor orange/pink constituent; possible k-spar alteration. Competent interval, avg 2 breaks/M
KUTH_2008	SEL26/2005	K26DD010b	143.6	145	Jdl	JDD		FG		L1/A	FRESH	F				B/C	1	S				As above, with fine-grained pyroxene phenocrysts the dominant grainsize
KUTH_2008	SEL26/2005	K26DD010b	145	153	Jdl	JDD		CG		L1/A	FRESH	F				O/B	1	S	10	FE	V	Groundmass makes up approx 60% of interval. Some minor Qz + Carbonate veining, which display intergrowth of pyx crystals. 45' dipping vein at 151m displays distinct Fe-selvage. Vein itself coherent and hardness approx.5, vitreous, translucent, no reaction with HCL. Also includes several horizontal carbonate veinlets.
KUTH_2008	SEL26/2005	K26DD010b	153	159.2	Jdl	JDD		CG		A2/A	FRESH	F				B	4	S	10	FE	V	Interval includes many cream coloured carbonate veins, often with associated fracturing, 2mm-10mm wide. Often Pyx xls proximal to veins. Fe-stained and euhedral. Larger veins mildly vuggy and includes minor low-grade meta clays. Core competency poor, with many horizontal fractures in addition to vein fractures.
KUTH_2008	SEL26/2005	K26DD010b	159.2	162.27	Jdl	JDD		CG		A2/A	FRESH	F				B/Z	2	S				Groundmass > phenocrysts, with phenocrysts sub to euhedral. Minor carbonate veining, with fractured surface displaying bladed zeolites within. Interval poor competency, possibly largely due to drilling error. Minor pink/orange veinlet; k-spar.
KUTH_2008	SEL26/2005	K26DD010b	162.27	165.6	Jdl	JDD		CG-MG		L1/A	FRESH	F				Q	1	S				Becoming finer grained, with groundmass > pyx phenocrysts. Groundmass a distinct light blue, with an increase in fine-grained black mafics/magnetite. Pyx xls often anhedral, and have a black 'rim'. Competent interval, with minor quartz ± K-spar veinlets
KUTH_2008	SEL26/2005	K26DD010b	165.6	168.6	Jdl	JDD		CG		L1/A/A2	FRESH	F				B	3	S	20	FE/BI/CH/KF	U/V	60-70% groundmass. Pyx phenocrysts anhedral, with a distinct black 'rim', giving the core a blotchy appearance. First 30cm of interval has fairly intense pervasive-selective alteration. Beginning of interval has undergone pervasive K-spar alteration, and lesser asicular black biotite within the K-spar. Includes a couple of bright green epidote veinlets; epidote is also present on fractured surfaces (Could be chlorite - identifying as epidote on colour, no more). Also includes 3 randomly dipping/orientated K-spar veinlets, and a couple of Carbonate veinlets. Cb veinlets have fairly intense Fe-stained halo and chlorite within. Poorly competent
KUTH_2008	SEL26/2005	K26DD010b	168.6	174.6	Jdl	JDD		CG		A/A1	FRESH	F				B	3	S		FE/CY	V	groundmass > phenocrysts, with phenocrysts becoming sub-to euhedral, and don't have the black rim described above. Many shallow dipping veins (<45'), on avg. 2-3 per meter. Generally fractures along veins. Minor Fe-stained halo usually associated with veins. Minor Clays: green/white/orange alteration associated within veins.

KUTH_2008	SEL26/2005	K26DD010b	174.6	183	Jdl	JDD		CG		A/A1	FRESH	F				B/Z	5	S		FE/CY/KF	V	Vein-rich interval, randomly dipping and orientated. At least 2 generations, with second generation including K-spar. Very commonly fracturing along veins; on fractures surfaces can often see very fine grained clusters of zeolites, and other prismatic xls (zeolites/carbonates). Fine grained clusters of zeolites give the fractured surface at botryoidal like texture. Often moderate selvage to the vein-alteration FE- halos common. Chlorite and low grade meta clays also very common (on vein fracture surfaces). Pyx generally subhedral, at times with black rim, as described in previous intervals.
KUTH_2008	SEL26/2005	K26DD010b	183	187	Jdl	JDD		MG		A1/A	FRESH	F				B	1	S		CY/CH	V	Alteration in the form of increased grainsize and Fe-aured around the veins. Most phenocrysts Fine to Medium grained. Often dark green to black rims around the subhedral pyx xls. Fracture surface within vein displays distinct bladed carbonate xls up to 1.5cm long. Chlorite occuring in subrounded pervasive 'blobs' within the vein. Bladed xls vitreous, H-4.5, some very mild peacock colouring. Randomly orientated, seperates easily along bladed cleavages. Competent.
KUTH_2008	SEL26/2005	K26DD010b	187	190.6	Jdl	JDD		CG		A2/A1	FRESH	F				B/Z	5	T				Competent coarse grained dolerite with irregular zeolite/carbonate veins. 3 vein sets: 1 - sub-vertical, 2 - ~52 degrees & 3 - sub-horizontal. Veins up to 1.5cm thick. Dolerite moderate to weakly magnetic.
KUTH_2008	SEL26/2005	K26DD010b	190.6	193.5	Jdl	JDD		MG/FG		A2	FRESH	F										Competent dolerite grain size decreasing from medium grained to fine grained.
KUTH_2008	SEL26/2005	K26DD010b	193.5	200.3	Jdl	JDD		FG/CG		A2	FRESH	F										Crystal size increasing from fine grained to coarse grained dolerite.
KUTH_2008	SEL26/2005	K26DD010b	200.3	202	Jdl	JDD		CG		A2	FRESH	F										Pyroxene phenocrysts much more concentrated
KUTH_2008	SEL26/2005	K26DD010b	202	215.48	Jdl	JDD		CG		A	FRESH	F										decrease in density pyx phenocrysts.
KUTH_2008	SEL26/2005	K26DD010b	215.48	215.85	Jdl	JDD		CG		A2/R/I	FRESH	F		0.5	PY				20	KF	U	Subtle potassic alteration within the plagioclase changing from a dull grey white to a reddy-pink. Alteration is patchy but extensive within this interval. Pyrite <1% and disseminated.
KUTH_2008	SEL26/2005	K26DD010b	215.85	216.7	Jdl	JDD		CG		A	FRESH	F										as for 202 - 215.48
KUTH_2008	SEL26/2005	K26DD010b	216.7	219.6	Jdl	JDD		CG		A2	FRESH	F										Broken but fresh unaltered dolerite. Breaks typically <20cm apart and generally sub horizontal. Break at 219.11 sub-vertical.
KUTH_2008	SEL26/2005	K26DD010b	219.6	245.75	Jdl	JDD		CG		A	FRESH	F										as for 202 - 215.48
KUTH_2008	SEL26/2005	K26DD010b	245.75	250.6	Jdl	JDD		CG		A2	FRESH	F				B/Z	1	S	10	KF	U	Carbonate zeolite sheeted vein with ?taumonite zeolite selvage along vein margins dipping ~52 degrees <2mm thick within coarse grained competent dolerite.