

CoalLog v2.1 – Borehole Status Dictionary

HEADER DATA						CASING DATA			CEMENTING DATA				
BOREHOLE TYPE			production water bore	HW	LOGS RUN			CASING MATERIAL			CEMENT METHOD		
Fully cored	FC		standpipe piezometer	HS	Acoustic Scanner	A	fibreglass	FB	from surface	FS			
Open / chip	OC		vibrating wire piezometer	HV	Caliper	C	not recorded	NR	poly reel	PR			
Partly cored	PC				Cement Bond Log	B	pvc	PV	sacrifice poly	SP			
Reverse Circulation	RC		<u>Lox</u>	LX	Density	D	stainless steel	SS	through drill rods	TR			
					Dipmeter	I	steel	ST					
					Downhole Camera	M	uncased	UC					
DATA STATUS			<u>Service</u>	SV	Full Waveform Sonic	F							
Raw / Uncorrected	R		ballast	SB	Gyroscopic Verticality	Y							
Adjusted to geophysics	A		cement	SC	Natural Gamma	G							
Seams adjusted to geophysics	S		electricity	SE	Neutron	N							
Corrected to verticality	V		nitrogen	SN	Resistivity	R							
Final	F		refuge	SR	Spontaneous Potential	P							
Unknown	U		plug	SP	Sonic	S							
			stone dust	SD	Temperature	T							
					Verticality	V							
BOREHOLE PURPOSE			<u>Structure</u>	ST	X-Ray	X							
<u>Blasthole</u>	BH		fault delineation	SF									
			intrusion delineation	SI									
					BOREHOLE STATUS								
<u>Coal Quality</u>	CQ		GEODETIC DATUM			backfilled	B						
large diameter	CL		Australian Geodetic Datum	AGD	casing removed	X							
slim core testing	CS		Australian Mapping Grid	AMG	cemented	N							
spontaneous combustion testing	CC		Geocentric Datum Australia	GDA	completed	C							
			Local Datum	LOC	equipment in borehole	E							
<u>Environmental</u>	EN		Map Grid Australia	MGA	hazard in borehole	H							
acid leachate testing	EA		Universal Transverse Mercator	UTM	infrastructure	I							
stygo fauna monitoring	ES				in progress	P							
					mined	M							
<u>Gas</u>	GS		HEIGHT DATUM			piezometer	Z						
compliance gas testing	GC		Australian Height Datum	AHD	plugged	G							
controlled pressure well	GL		Approximate Level	APX	rehabilitated	R							
end of borehole well	GE		Local Datum	LOC	unknown	U							
gas drainage undifferentiated	GD		LOCATION ACCURACY			water bore	W						
goaf drainage	GG		approximate	A									
ranging well	GR		barometric	B									
surface to in-seam well	GI		digitized	D									
underground in-seam gas-riser	GU		GPS (hand held)	G									
vertical production well	GZ		surveyed	S									
virgin gas testing	GV												
Geotech													
extensometer	TE												
geotechnical properties	TR												
penetrometer	TP												
primary hydraulic fracturing	TF												
stress test cell / stress overcore	TX												
tiltmeter	TL												
Hydrological													
multi-channel vibrating wire	HM												
piezometer													
nested standpipe piezometer	HN												

CoalLog v2.1 – Drilling and Water Observation Dictionary

DRILLING DATA		DRILL SIZE NAME		WATER OBSERVATION DATA	
BIT TYPE		Wireline Barrel		TEST TYPE	
Non-Coring Bits		NQ (48mm / 76mm)	NQ	305mm Board	3
auger	AG	HQ (64mm / 96mm)	HQ	610mm Board	6
blades / drag blade	BL	PQ (85mm / 123mm)	PQ	914mm Board	9
hammer	HA			driller injected	I
mill claw	MC	NQ triple tube (45mm / 76mm)	NQ3	dry	D
poly crystalline diamond open	PO	HQ triple tube (61mm / 96mm)	HQ3	estimate	E
rock roller / tricone	TR	PQ triple tube (83mm / 123mm)	PQ3	observed damp	M
surface / wing	SF			observed wet	W
unknown	UN			v-notch	V
Coring Bits		Conventional Core Barrel			
diamond core (wireline)	DW	NMLC triple tube (52mm / 76mm)	NMLC		
poly crystalline diamond core (conventional)	PC	HMLC triple tube (64mm / 99mm)	HMLC		
poly crystalline diamond core (wireline)	PW	PMLC triple tube (/)	PMLC		
tungsten carbide core (conventional)	TC	3" conventional (76mm / 111mm)	3C		
		4" conventional (102mm / 140mm)	4C		
		6" conventional (/)	6C		
		8" conventional (203mm / 260mm)	8C		
		10" conventional (/)	10C		
		12" conventional (305mm /)	12C		
FLUID TYPE					
air	A				
bentonite mud	M				
polymer	P				
soluble oil	S				
water	W				
water injection	I				

CoalLog v2.1 - Lithology Dictionary

<u>SAMPLE PURPOSE</u>		<u>LITHOLGY</u>							
<u>Coal Quality</u>		<u>Unconsolidated Sediments</u>		Breccia	BR	Phyllite	PH	<u>Grain Size</u>	
raw ply (coal, roof, floor or parting)	QP	Clay	CL	Fault Breccia	FB	Schist	SZ	<u>Unconsolidated Sediments</u>	
bulk sample	QB	Mud	MD	Diamictite	DI	Gneiss	GN	clayey	CL
channel sample (underground)	QU	Silt	SI	Tillite	TI			silty	SI
		Sand	SA	<u>Chemical Sedimentary Rocks</u>		<u>Minerals</u>		sandy	SA
		Gravel	GV	Calcrete	CC	Calcite	CA	gravelly	GV
<u>Loxline</u>		Cobbles	OB	Carbonate	CB	Pyrite	PY		
raw ply (coal, roof, floor or parting)	LP	Boulders	BO	Chalk	CK	Quartz	QZ	<u>Sandstone / Sand / Gravel</u>	
		Alluvium	AL	Chert	CH	Siderite	SD	very fine grained	VV
<u>Spontaneous Combustion</u>		Colluvium	CV	Cone in Cone Carbonate	KK	Talc	TA	very fine to fine grained	VF
raw ply (coal, roof, floor or parting)	SP	Diatomaceous Earth	DE	Dolomite	DM			very fine to medium grained	VM
bulk sample	SB	Fill / Spoil	FI	Ferricrete	FK	<u>Other</u>		very fine to coarse grained	VC
channel sample	SU	Fireclay	FC	Fossil Wood	FW	Core Loss	KL	very fine to very coarse grained	VX
		Loam	LO	Ironstone	IS	Lost Coal (from geophysics)	LC	fine grained	FF
<u>Geotechnical Sample</u>		Soil	SO	Kaolinite	KA	Missing Record	MR	fine to medium grained	FM
laboratory tested	GT			Laterite	LA	Non Coal	NC	fine to coarse grained	FC
field tested	GF			Limestone	LS	No Recovery	NR	fine to very coarse grained	FX
		<u>Carbonaceous Sediments</u>		Limonite	LI	Not Logged	NL	medium grained	MM
<u>Water Quality Sample</u>		Coal	CO	Silcrete	SC	Old Workings	OW	medium to coarse grained	MC
laboratory tested	WT	Lignite	LG	Tonstein	TN	Void	VD	medium to very coarse grained	MX
field tested	WF	Brown Coal	BC					coarse grained	CC
		Peat	PE	<u>Igneous</u>		<u>LITHOLOGY QUALIFIER</u>		coarse to very coarse grained	CX
<u>Gas Sample</u>		Burnt Wood / Charcoal	BW	Igneous Rock, undifferentiated	IG	<u>Coal Brightness</u>		very coarse grained	XX
exploration (virgin)	ME	Weathered Coal	CW	Volcanic Rock, undifferentiated	VR	bright (>90%)	BR		
compliance (drained)	MD	Oil Shale	OS	Intrusive Rock, undifferentiated	IN	bright with dull bands (60-90%)	BB	<u>Conglomerate</u>	
		Tar Sand	TS			interbanded dull and bright	BD	granular	GG
<u>Environmental Sample</u>						(40-60%)		granular to pebbly	GP
soil	ES	Coaly Claystone	ZC	Acid / Felsic Volcanic	AV	mainly dull with frequent bright	DB	granular to cobbly	GO
overburden characterisation	EO	Coaly Mudstone	ZM	Intermediate Volcanic	IV	bands (10-40%)		granular to bouldery	GU
(compliance)		Coaly Shale	ZH	Basic / Mafic Volcanic	BV	dull with minor bright bands (1-10%)	DM	pebbly	PP
reactive ground	ER	Coaly Siltstone	ZT	Acid / Felsic Intrusive	AI	dull (<1%)	DD	pebbly to cobbly	PO
		Coaly Sandstone	ZS	Intermediate Intrusive	II			pebbly to bouldery	PU
<u>Other</u>				Basic / Mafic Intrusive	BI	mid-lustrous to bright	M1	cobbly	OO
age dating	AD	Carbonaceous Claystone	XC			mid-lustrous	M2	cobbly to bouldery	OU
palynology	PN	Carbonaceous Mudstone	XM	Andesite	AN	mid-lustrous to dull	M3	bouldery	UU
petrology	PE	Carbonaceous Shale	XH	Basalt	BS				
		Carbonaceous Siltstone	XT	Dolerite	DO	<u>Other Coal</u>		<u>Tuff / Tuffite</u>	
		Carbonaceous Sandstone	XS	Gabbro	GB	undifferentiated	CU	clay sized	CS
				Granite	GR	heat affected	HA	mud sized	MS
				Granodiorite	GD	coked	KC	silt sized	TS
<u>INTERVAL STATUS</u>		<u>Clastic Sedimentary Rocks</u>		Rhyolite	RH	cindered	CI	sand sized	SS
raw / uncorrected	R	Sedimentary Rock, undifferentiated	SU	Tuff	TF	fusainous	FU		
adjusted to geophysics	A	Claystone	CS	Tuffite	TT				
unknown	U	Pellet Claystone	PC	Volcanic Breccia	VB				
		Mudstone	MS			anthracite	AN		
		Shale	SH			canal (torbanite, bog)	CT		
		Siltstone	ST	<u>Metamorphic</u>		dull conchoidal	DC		
		Sandstone	SS	Metamorphic Rock, undifferentiated	MM	inferior	IF		
		Conglomerate	CG	Basement Undifferentiated	BU	sapropelic (incl. canal, torbanite, boghead)	SP		
		Conglomerate (>65% matrix)	M1	Mylonite	MY	stony	SY		
		Conglomerate (35-65% matrix)	M2	Quartzite	QT				
		Conglomerate (<35% matrix)	M3	Slate	SL				

CoalLog v2.1 - Lithology Dictionary

SHADE		clear	LC	marly	MR	stringers	SG	WEATHERING	
light	L	coarser (<10% of unit)	XC	metamorphosed	MM	traces	TR	residual soil	R
light to medium	A	conchoidal	CC	micaceous	MI	wisps	WP	extremely weathered	E
light to dark	C	dull	DD	muddy	MD			highly weathered	H
medium	E	fault gouge	FT	mudstone	MS	Preposition		distinctly weathered	D
medium to dark	B	finer (<10% of unit)	FF	oxidised	OX	and	ET	moderately weathered	M
dark	D	hard	HR	peaty	PE	as	AS	slightly weathered	S
banded	N	heat affected	HA	phosphatic	PP	of	OF	weathered	W
mottled	M	interbanded	IB	pyritic	PY	on	ON	fresh	F
speckled	S	irregular	IR	quartzose	QZ	with	WI		
variegated	V	lustrous	LU	sandstone	SS			ESTIMATED STRENGTH	
		moderately	MO	sandy	SA	Position		Unconsolidated Cohesive	
HUE / COLOUR		opaque	OP	shaly	SH	alternating	AT	very soft	C1
blackish / black	K	resinous	RS	shelly	HY	near base of unit	BU	soft	C2
bluish / blue	L	soft	SO	sideritic	SD	near middle of unit	MU	firm	C3
brownish / brown	B	translucent	TL	siliceous	SC	near top and base of unit	XU	stiff	C4
buff	F			silicified	SF	near top of unit	TU	very stiff	C5
creamy / cream	C	Lithological		siltstone	ST	tends to	TT	hard	C6
greenish / green	E	acidic	AC	silty	SI	throughout	TO		
greyish / grey	G	arenitic	AR	smectitic	SM			Unconsolidated Cohesionless	
multi-coloured	M	arkosic	AK	sooty	SX	LITHOLOGY INTERRELATIONSHIP		very loose	S1
off white	X	basaltic	BS	stony	SY	coarsening up to	CU	loose	S2
orangey / orange	O	basic	BC	sub arenitic	AM	coarsely interbedded (> 200mm) with	CB	medium dense	S3
pinkish / pink	P	bentonitic	BE	tillitic	TI	disseminated with	DS	dense	S4
purplish / purple	U	calcareous	CA	tonsteinous	TN	fining up to	FU	very dense	S5
reddish / red	R	carbonaceous	XX	tuffaceous	TF	grading into	GD		
whitish / white	W	carbonate	CB	vitrainous	VI	interbedded with	IB	Rock	
yellowish / yellow	Y	chloritic	CR	volcanic	VO	intercalated with	IC	extremely low strength rock	R1
		clayey	CL			interlaminated (< 60mm) with	IL	very low strength rock	R2
ADJECTIVE		claystone	CS	Inclusions		intermixed with	IM	low strength rock	R3
Quantity		coal stringers	CX	bands	BN	irregularly interbedded with	IR	medium strength rock	R4
abundant (30-60%)	AB	coaly	CO	blebs	BL	thinly interbedded (60-200mm) with	TB	high strength rock	R5
common (15-30%)	CM	conglomeratic	CG	clasts	CT	with bands of	BN	very high strength rock	R6
decreasing in abundance	DA	detrital	DE	cobbles	OO	with boulders of	BO	extremely high strength rock	R7
dominant (>60%)	DO	dolomitic	DM	concretions	CI	with cement of	CM		
highly	HI	feldspathic	FS	disseminated	DS	with clasts of	CT	BED SPACING	
in part	IP	ferruginous	FE	fragments	FR	with cobbles of	OO	massive / absent bedding	MA
increasing in abundance	IA	fossiliferous	FO	grains	GN	with fragments of	FR	very thickly bedded (>2m)	VB
large	LR	fusainous	FU	granules	GG	with granules of	GG	thickly bedded (600-2000mm)	CB
minor (1-15%)	MN	glaucconitic	GC	gravelly	GV	with lenses of	LN	medium bedded (200-600mm)	MB
partially	PR	graphitic	GP	laminae (2-20mm)	LM	with matrix of	MX	thinly bedded (60-200mm)	TB
rare (<1%)	RA	illitic	IL	layers	LY	with nodules of	ND	very thinly bedded (20-60mm)	UB
slightly	TY	intermediate	IM	lenses	LN	with pebbles of	PB	thickly laminated (6-20mm)	LM
strongly	TG	intrusive	IN	matrix	MX	with pods of	PO	thinly laminated (<6mm)	LL
thick	TK	iron stained	ID	nodules	ND	with wisps of	WP	irregular spaced bedding	IR
thin	TH	kaolinitic	KA	partings	PA				
very	VE	lateritic	LA	pebbles	PB				
		limonitic	LI	pellets	PT				
Appearance		lithic	LT	penny bands (<2mm)	PN				
altered	AL	loamy	LO	phases	PH				
bright	BR	manganiferous	MG	Pods	PO				

CoalLog v2.1 - Lithology Dictionary

DEFECT TYPE		Plasticity		poisilitic		PS		Laminations		Cracks	
<u>Natural</u>			non plastic	NP	platey	PL		large scale cross laminations (>2m)	LL	dessication cracks	DC
bedding plane	BP		low plasticity	LP	porphyritic	PR		medium scale cross laminations	ML	intraformational cracks	IC
broken zone	BZ		intermediate plasticity	IP	schistose	SZ		(200 – 2000mm)		mud casts / cracks	MC
clay band	CL		high plasticity	HP	soapy	SO		small scale cross laminations	SL	shrinkage cracks	SC
coal cleat	CE				vesicular	VS		(<200mm)		syneresis cracks	YC
contraction fracture	CF				vitreous	VT		wavy laminations	WL		
cross bedding	XB		<u>Other</u>		vuggy	VU				<u>Structures</u>	
dyke	DY		blocky	BK	waxy	WX		<u>Shape</u>		bioturbated	BT
fault	FT		brecciated	BR				very angular grains	VG	boudinage	BD
foliation	FO		brittle	BL				angular grains	AG	bounce marks / prod casts	PC
fracture (undifferentiated)	FR		cleated	CE	<u>BASAL CONTACT</u>			subangular grains	GG	burrowing	BW
joint	JN		disintegrates on wetting	DW	adheres at base	A		well rounded grains	WG	climbing ripples	CR
shear zone	SH		expanding clay	EX	basal contact open or readily parts	B		rounded grains	RG	colloidal iron deposit	CI
sill	SI		fissile	FS	basal contact deformed	D		subrounded grains	BG	compaction feature	CF
softened zone (non-tectonic)	SO		fissured	FI	erosional basal contact	E		bladed grains	DG	flame structures	FS
vein	VN		flaggy	FG	faulted at basal contact	F		prolate grains	LG	imbricate clasts	IM
			flaky	FL	gradational basal contact	G		tabular grains	TG	load cast	LC
			fractured	FR	sharp and irregular basal contact	I		very angular fragments	VF	pebble lag	PG
<u>Induced and Non-Intact</u>			fretted	FT	jointed at basal contact	J		angular fragments	AF	reworked	RW
discing	DS		friable	FB	sharp and oblique basal contact	O		subangular fragments	GF	ripple marks	RM
drilling induced break	DB		indurated	IN	sharp and planar basal contact	P		well rounded fragments	WF	rip-up clasts	RU
drilling induced broken zone	DZ		micro faulted	MF	fractured at basal contact	R		rounded fragments	RF	rootlet beds	RB
			non-cleated	NC	sheared at basal contact	S		subrounded fragments	BF	scour and fill	SF
<u>DEFECT INTACT</u>			powdery	PO	sharp and undulose basal contact	U		very angular pebbles	VP	sedimentary dyke	DY
intact	I		puggy	PU				angular pebbles	AP	slumping	SP
			sheared	SH	<u>SEDIMENTARY FEATURE</u>			subangular pebbles	GP	soft sediment deformation	DE
<u>DEFECT SPACING</u>			slabby	SL	<u>Bedding</u>			well rounded pebbles	WP	stylolites	ST
extremely wide (>2m)	EW		slickensided	SK	contorted bedding	CT		rounded pebbles	RP	varving	VV
very wide (600-2000mm)	VW		sticky	ST	convoluted bedding	CV		subrounded pebbles	BP	water escape structures	WE
wide (200-600mm)	WI		subfissile	SF	current bedding	CB					
moderately wide (60-200mm)	MW				diffuse bedding	DF		<u>Sorting</u>		<u>Position</u>	
moderately narrow (20-60mm)	MN		<u>TEXTURE</u>		disturbed bedding	DB		well sorted	WS	in part	IP
narrow (6-20mm)	NA		amorphous	AM	flasar bedding	FL		moderately sorted	MS	near base of unit	BU
very narrow (<6mm)	VN		amygdaloidal	AG	graded bedding	GB		poorly sorted	PS	near middle of unit	MU
			aphanitic	AP	lenticular bedding	LB		bimodal sorting	BS	near top and base of unit	XU
<u>CORE STATE</u>			chalky	CK	planar bedding	PL		polymodal sorting	YS	near top of unit	TU
overdrilled core	O		cherty	CH	poorly developed bedding	PD		coarsening upwards	CU	throughout	TO
solid core	S		clast supported	CS	ripple bedding	RI		fining upwards	FU		
broken core	B		concretionary	CI	wavy bedding	WB					
very broken core	V		crystalline	XL	well-developed bedding	WD					
fragmented core	F		earthy	EA				<u>Permeability / Porosity</u>			
crushed core	C		equigranular	EQ	<u>Cross Bedding</u>			impermeable (<0.1mD)	IR		
cuttings	K		fibrous	FB	high angle cross bedding (>30°)	HX		low permeability (0.1-10mD)	LP		
			flow banded	FL	medium angle cross bedding	MX		medium permeability	MP		
			glassy	GS	(10°-30°)			(10-10000mD)			
<u>MECHANICAL STATE</u>			granular	GG	low angle cross bedding (<10°)	LX		high permeability (>10000mD)	HP		
<u>Slaking</u>			gritty	GT	cross bedding	XB		permeable	PE		
non slaking	NS		matrix supported	MS	fine cross bedding	FX		porous	PO		
low slaking	LS		nodular	ND	tabular cross bedding	TX					
medium slaking	MS		oolitic	OO	trough cross bedding	RX					
high slaking	HS		pelletal	PT							

CoalLog v2.1 - Lithology Dictionary

ABUNDANCE					
abundant (30-60%)	A	plagioclase	PG	fibrous	FB
accessory	E	pyrite	PY	fine grains	FF
common (15-30%)	C	quartz	QZ	fragments	FR
dominant (>60%)	O	siderite	SD	glendonites	GD
minor (1-15%)	M	silica	SC	grains	GN
rare (<1%)	R	sulphides	SU	in blebs	BL
secondary	D	talc	TA	in cavities	CV
		unidentified mineral	UN	in cleat	CE
		vivianite	VV	in pods	PO
		zeolite	ZE	in veins	VN
				in vesicles	VS
				in vughs	VU
MINERAL / FOSSIL				infilling fault discontinuities	FD
Minerals		Fossils		infilling of burrows	IB
ankerite	AN	bivalves	BI	infilling vesicles	IV
apatite	AP	brachiopods	BR	intercalations	IC
bauxite	BA	bryozoans	BZ	laminae	LM
biotite	BT	carbonaceous remains	XR	lenses	LN
calcite	CA	carbonaceous root traces	RC	matrix	MX
carbonate	CB	charcoal	FB	microflakes	MF
chalcedony	CD	coprolites	CP	nodules	ND
chalcopryrite	CC	faecal remains	FR	on bedding planes	BP
chert	CH	foraminifera	FM	on fracture planes	FP
chlorite	CR	fossil wood	FW	on joints	JN
clay	CL	fossils	FO	oolites	OO
common opal	OP	gastropods	GT	pebbles	PB
dickite	DI	marine fossils	MF	pellets	PT
dolomite	DM	pelyceps	PE	phenocrysts	PH
epidote	EP	plant fragments	PF	radial filaments	FL
feldspar	FS	plant impressions	PI	replacement	RE
galena	GA	resin	RS	replacing fossils	RF
garnet	GR	resin aggregates	RA	resinous	RS
glaucinite	GC	root traces	RT	rhombs	RH
goethite	GO	rootlets	RO	staining	SN
graphite	GP	sediment filled root traces	SR	traces	TR
gypsum	GY	shells	HY	wisps	WP
haematite	HE	woody fragments	WF		
heavy minerals	HM				
illite	IL				
ilmenite	IM	MINERAL ASSOCIATION			
iron oxide	IO	amorphous	AM	GAS	
ironstone	IS	in amygdules	AG	trace (<1m ³ /t)	T
kaolinite	KA	bands	BN	low gas present (1-5m ³ /t)	L
limonite	LI	cement	CM	moderate gas present (5-10m ³ /t)	M
magnetite	MT	clasts	CT	high gas present (10-15m ³ /t)	H
manganese	MG	coarse grains	CC	very high gas present (>15m ³ /t)	V
marcasite	MC	coating	OU	H ₂ S not detected	N
mica	MI	concentrated at base	CB	H ₂ S present	P
montmorillonite	ML	concentrated at top	CN		
muscovite	MV	concretions	CI		
olivine	OL	cone in cone structure	KK		
opaque minerals	OM	crystals	XL		
orthoclase	OR	detrital	DE		
phosphates	PP	disseminated	DS		

CoalLog v2.1 - Geotechnical Dictionary

RMU DATA	
RMU TYPE	
broken zone	B
core loss	L
core with defects	D
not recorded	N
open	O
soil properties	S
unbroken core	U
WEATHERING	
residual soil	R
extremely weathered	E
highly weathered	H
distinctly weathered	D
moderately weathered	M
slightly weathered	S
weathered	W
fresh	F
ALTERATION	
extremely altered	E
distinctly altered	D
slightly altered	S
altered	A
fresh	F
ESTIMATED STRENGTH	
<u>Unconsolidated Cohesive</u>	
very soft	C1
soft	C2
firm	C3
stiff	C4
very stiff	C5
hard	C6
<u>Unconsolidated Cohesionless</u>	
very loose	S1
loose	S2
medium dense	S3
dense	S4
very dense	S5
Rock	
extremely low strength rock	R1
very low strength rock	R2
low strength rock	R3
medium strength rock	R4
high strength rock	R5
very high strength rock	R6
extremely high strength rock	R7

BED SPACING	
massive / absent bedding	MA
very thickly bedded (>2m)	VB
thickly bedded (600-2000mm)	CB
medium bedded (200-600mm)	MB
thinly bedded (60-200mm)	TB
very thinly bedded (20-60mm)	UB
thickly laminated (6-20mm)	LM
thinly laminated (<6mm)	LL
irregular spaced bedding	IR
MOISTURE SENSITIVITY	
not sensitive	N
low sensitivity	L
medium sensitivity	M
high sensitivity	H
PLASTICITY	
non plastic	N
brittle	B
low plasticity	L
intermediate plasticity	I
high plasticity	H

DEFECT DATA	
DEFECT TYPE	
<u>Natural</u>	
bedding plane	BP
broken zone	BZ
clay band	CL
coal cleat	CE
contraction fracture	CF
cross bedding	XB
dyke	DY
fault	FT
foliation	FO
fracture (undifferentiated)	FR
joint	JN
shear zone	SH
sill	SI
softened zone (non-tectonic)	SO
vein	VN
<u>Induced and Non-Intact</u>	
discing	DS
drilling induced break	DB
drilling induced broken zone	DZ
DEFECT INTACT	
intact	I
DEFECT CONTINUITY	
continuous across core width	C
discontinuous across core width	D
divaricates (splits)	V
truncated within core width	T
DIP ORIENTATION METHOD	
directly measured from reference line	D
estimated	E
indirectly measured	I
measured from televiewer	A
SURFACE SHAPE	
concave / convex	C
irregular	I
planar	P
stepped	S
undulose	U
SURFACE ROUGHNESS	
polished	P
rough	R
slickensided	K
smooth	S

JRC	
1 ... 10	
INFILL TYPE	
apatite	AP
calcite	CA
carbonaceous remains	XR
carbonate	CB
chlorite	CR
clay	CL
coal	CO
crushed rock	CU
dickite	DI
fossils	FO
glauconite	GC
gypsum	GY
haematite	HE
illite	IL
iron oxide	IO
kaolinite	KA
limonite	LI
magnetite	MT
manganese	MG
marcasite	MC
mica	MI
montmorillonite	ML
other	OT
plant fragments	PF
pyrite	PY
quartz	QZ
sand	SA
siderite	SD
silt	SI
talc	TA
zeolite	ZE
INFILL MODE	
absent	A
blebs	L
breccia	B
gouge	G
healed (cemented)	H
open	O
rubble	R
surface completely coated	C
surface partly coated	P
surface staining	S
trace	T

POINT LOAD DATA	
SAMPLE STATE	
dry	D
wet	W
TEST TYPE	
axial	A
diametral	D
irregular	I
FAILURE MODE	
bedding plane	B
invalid	I
joint	J
penetrative	P
valid	V