

## CoalLog v3.0 – Header, Casing & Cementing Dictionary

<b>HEADER DATA</b>				<b>CASING DATA</b>		<b>CEMENTING DATA</b>	
<b>BOREHOLE TYPE</b>		<b>GEOPHYS LOG</b>		<b>CASING MATERIAL</b>		<b>CEMENT METHOD</b>	
Fully cored	FC	<u>Hydrological</u>	HY	Acoustic Scanner	A	fibreglass	FB
Open / chip	OC	multi-channel vibrating wire	HM	Caliper	C	not recorded	NR
Partly cored	PC	piezometer		Cement Bond Log	B	pvc	PV
Reverse Circulation	RC	nested standpipe piezometer	HN	Density	D	stainless steel	SS
		production water bore	HW	Dipmeter	I	steel	ST
		standpipe piezometer	HS	Downhole Camera	M	uncased	UC
		vibrating wire piezometer	HV	Full Waveform Sonic	F		
				Gyroscopic Verticality	Y		
<b>DATA STATUS</b>		<u>Lox</u>	LX	Natural Gamma	G		
Raw / Uncorrected	R	<u>Service</u>	SV	Neutron	N	<b>CASING TYPE</b>	
Adjusted to geophysics	A	ballast	SB	Resistivity	R	perforated	P
Seams adjusted to geophysics	S	cement	SC	Spontaneous Potential	P	slotted	S
Corrected to verticality	V	electricity	SE	Sonic	S	threaded	T
Final	F	nitrogen	SN	Temperature	T		
Unknown	U	refuge	SR	Verticality	V		
		plug	SP	X-Ray	X		
		stone dust	SD				
<b>BOREHOLE PURPOSE</b>		<u>Structure</u>	ST	<b>BOREHOLE STATUS</b>		<b>CASING NAME</b>	
<u>Blasthole</u>	BH	fault delineation	SF	backfilled	B	HWT thread class	HWT
<u>Coal Quality</u>	CQ	intrusion delineation	SI	casing removed	X	Ozcon casing	OZCO
large diameter	CL			cemented	N	PN06 class UPVC	PN06
slim core testing	CS			completed	C	PN09 class UPVC	PN09
spontaneous combustion testing	CC			equipment in borehole	E	PN12 class UPVC	PN12
				hazard in borehole	H	PN18 class UPVC	PN18
<u>Environmental</u>	EN	<b>GEODETTIC DATUM</b>		infrastructure	I	SFJ thread class	SFJ
acid leachate testing	EA	Australian Geodetic Datum	AGD	in progress	P		
stygo fauna monitoring	ES	Australian Mapping Grid	AMG	mined	M	<b>CASING GROUT</b>	
		Geocentric Datum Australia	GDA	piezometer	Z	bentonite	BE
<u>Gas</u>	GS	Local Datum	LOC	plugged	G	cement slurry	CS
compliance gas testing	GC	Map Grid Australia	MGA	rehabilitated	R	concrete aggregate	AG
controlled pressure well	GL	Universal Transverse Mercator	UTM	unknown	U	cuttings	CT
end of borehole well	GE			water bore	W	gypsum	GY
gas drainage undifferentiated	GD					pressure grouted slurry	PG
goaf drainage	GG					soil	SO
ranging well	GR					two pack foam	FO
surface to in-seam well	GI	<b>HEIGHT DATUM</b>				washed gravel	GV
underground in-seam gas-riser	GU	Australian Height Datum	AHD				
vertical production well	GZ	Approximate Level	APX				
virgin gas testing	GV	Local Datum	LOC				
<u>Geotech</u>	TG	<b>LOCATION ACC</b>					
extensometer	TE	approximate	A				
geotechnical properties	TR	barometric	B				
penetrometer	TP	digitized	D				
primary hydraulic fracturing	TF	GPS (hand held)	G				
stress test cell / stress overcore	TX	surveyed	S				
tiltmeter	TL						

## CoalLog v3.0 – Drilling and Water Observation Dictionary

<b>DRILLING DATA</b>		<b>DRILL SIZE NAME</b>		<b>WATER OBSERVATION DATA</b>	
<b>BIT TYPE</b>		<b>Wireline Barrel</b>		<b>WATER TEST TYPE</b>	
<b>Non-Coring Bits</b>		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	NQ triple tube (45mm / 76mm) NQ3		driller injected	I
mill claw	MC	HQ triple tube (61mm / 96mm) HQ3		dry	D
poly crystalline diamond open	PO	PQ triple tube (83mm / 123mm) PQ3		estimate	E
rock roller / tricone	TR			observed damp	M
surface / wing	SF			observed wet	W
unknown	UN			v-notch	V
<b>Coring Bits</b>		<b>Conventional Core Barrel</b>			
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			
<b>DRILL FLUID</b>					
air	A				
bentonite mud	M				
polymer	P				
soluble oil	S				
water	W				
water injection	I				

## CoalLog v3.0 - Lithology Dictionary

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

CoalLog v3.0 - Lithology Dictionary

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

## CoalLog v3.0 - Lithology Dictionary

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

CoalLog v3.0 - Lithology Dictionary

MIN FOS ABUND					
abundant (30-60%)	A	phosphates	PP	crystals	XL
accessory	E	plagioclase	PG	detrital	DE
common (15-30%)	C	pyrite	PY	disseminated	DS
dominant (>60%)	N	quartz	QZ	fibrous	FB
minor (1-15%)	M	siderite	SD	fine grains	FF
rare (<1%)	R	silica	SC	fragments	FR
secondary	D	sulphides	SU	glendonites	GD
		talc	TA	grains	GN
		unidentified mineral	UN	in blebs	BL
		vivianite	VV	in cavities	CV
		zeolite	ZE	in cleat	CE
<b>MIN FOS TYPE</b>				in pods	PO
<b>Minerals</b>		<b>Fossils</b>		in veins	VN
ankerite	AN	bivalves	BI	in vesicles	VS
apatite	AP	brachiopods	BR	in vughs	VU
bauxite	BA	bryozoans	BZ	infilling fault discontinuities	FD
biotite	BT	carbonaceous remains	XR	infilling of burrows	IB
calcite	CA	carbonaceous root traces	RC	infilling vesicles	IV
carbonate	CB	charcoal	FB	intercalations	IC
chalcedony	CD	coprolites	CP	laminae	LM
chalcopryrite	CC	faecal remains	FR	lenses	LN
chert	CH	foraminifera	FM	matrix	MX
chlorite	CR	fossil wood	FW	microflakes	MF
clay	CL	fossils	FO	nodules	ND
common opal	OP	gastropods	GT	on bedding planes	BP
dickite	DI	marine fossils	MF	on fracture planes	FP
dolomite	DM	ptychopods	PE	on joints	JN
epidote	EP	plant fragments	PF	oolites	OO
feldspar	FS	plant impressions	PI	pebbles	PB
galena	GA	resin	RS	pellets	PT
garnet	GR	resin aggregates	RA	phenocrysts	PH
glaucanite	GC	root traces	RT	radial filaments	FL
goethite	GO	rootlets	RO	replacement	RE
graphite	GP	sediment filled root traces	SR	replacing fossils	RF
gypsum	GY	shells	HY	resinous	RS
haematite	HE	woody fragments	WF	rhombs	RH
heavy minerals	HM			staining	SN
illite	IL			traces	TR
ilmenite	IM			wisps	WP
iron oxide	IO				
ironstone	IS	<b>MIN FOS ASSOC</b>			
kaolinite	KA	amorphous	AM		
limonite	LI	in amygdules	AG		
magnetite	MT	bands	BN	<b>GAS</b>	
manganese	MG	cement	CM	trace (<1m³/t)	T
marcasite	MC	clasts	CT	low gas present (1-5m³/t)	L
mica	MI	coarse grains	CC	moderate gas present (5-10m³/t)	M
montmorillonite	ML	coating	OU	high gas present (10-15m³/t)	H
muscovite	MV	concentrated at base	CB	very high gas present (>15m³/t)	V
olivine	OL	concentrated at top	CN	H₂S not detected	N
opaque minerals	OM	concretions	CI	H₂S present	P
orthoclase	OR	cone in cone structure	KK		

CoalLog v3.0 – Geotechnical Dictionary

RMU DATA			
RMU TYPE			
broken zone	B	medium strength rock	R4
core loss	L	high strength rock	R5
core with defects	D	very high strength rock	R6
not recorded	N	extremely high strength rock	R7
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		
EST STRENGTH			
Unconsolidated Cohesive			
very soft	C1		
soft	C2		
firm	C3		
stiff	C4		
very stiff	C5		
hard	C6		
Unconsolidated Cohesionless			
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		

DEFECT DATA			
DEFECT TYPE			
Natural			
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		
Induced and Non-Intact			
discing	DS		
drilling induced break	DB		
drilling induced broken zone	DZ		
DEFECT INTACT			
intact	I		
DEFECT CONTIN			
continuous across core width	C		
discontinuous across core width	D		
divaricates (splits)	V		
truncated within core width	T		
DIP ORIENT METH			
directly measured from reference line	D		
estimated	E		
indirectly measured	I		
measured from televiewer	A		
SHAPE			
concave / convex	C		
irregular	I		
planar	P		
stepped	S		
undulose	U		

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
PL TEST TYPE	
axial	A
diametral	D
irregular	I
FAILURE MODE	
bedding plane	B
invalid	I
joint	J
penetrative	P
valid	V

## CoalLog v3.0 – Coal Quality Dictionary

<b>SAMPLE TYPE</b>		<b>VIT. TYPE</b>	
Ply sample	PLY	Vitrinite Reflectance A (Telovitrinite)	TELO
Composite sample	COMP	Vitrinite Reflectance B (Detrovitrinite)	DETRO
		Vitrinite Reflectance (A & B)	ALL
<b>SAMPLE LITH</b>			
Coal	CO		
Stone	SN		
Parting	PA		
Roof	RF		
Floor	FL		
<b>PREV. TESTING</b>			
Gas desorption	GD		
Geotech	GT		
<b>PRE. TREATMENT</b>			
Drop Shatter	DROP		
Drop Shatter then Hand Knapped	DPHK		
Coal Pulverisation sieve analysis	CLPV		
Coke Properties sieve analysis	CKPP		
Gas - Uncrushed sample	GSUN		
Gas - Crushed sample	GSCR		
<b>SIZE. TYPE</b>			
Wet	W		
Dry	D		
<b>GRAY KING TYPE</b>			
A	A		
B	B		
C	C		
D	D		
E	E		
F	F		
G	G		
G1	G1		
G2	G2		
G3	G3		
G4	G4		
G5	G5		
G6	G6		
G7	G7		
G8	G8		
G9	G9		