

CoalLog v3.1 – Headers, Casing & Cementing Dictionary

| HEADER DATA | | | | CASING DATA | | CEMENTING DATA | |
|------------------------------------|----|----------------------------------|---------|-------------------------|------|-----------------|----|
| BOREHOLE TYPE | | LOCATION ACC | | CASING MATERIAL | | CEMENT METHOD | |
| Fully cored | FC | <u>Hydrological</u> | HY | approximate | A | fibreglass | FB |
| Open / chip | OC | multi-channel vibrating wire | HM | barometric | B | not recorded | NR |
| Partly cored | PC | piezometer | | digitized | D | pvc | PV |
| Reverse Circulation | RC | nested standpipe piezometer | HN | GPS (hand held) | G | stainless steel | SS |
| | | production water bore | HW | surveyed | S | steel | ST |
| | | standpipe piezometer | HS | | | uncased | UC |
| | | vibrating wire piezometer | HV | | | | |
| DATA STATUS | | GEOPHYS LOG | | CASING TYPE | | | |
| Raw / Uncorrected | R | <u>Lox</u> | LX | Acoustic Scanner | A | perforated | P |
| Adjusted to geophysics | A | <u>Service</u> | SV | Caliper | C | slotted | S |
| Seams adjusted to geophysics | S | ballast | SB | Cement Bond Log | B | threaded | T |
| Corrected to verticality | V | cement | SC | Density | D | | |
| Final | F | electricity | SE | Dipmeter | I | | |
| Unknown | U | nitrogen | SN | Downhole Camera | M | | |
| | | refuge | SR | Full Waveform Sonic | F | | |
| | | plug | SP | Gyroscopic Verticality | Y | | |
| | | stone dust | SD | Magnetic Susceptibility | K | | |
| BOREHOLE PURPOSE | | Structure | | CASING NAME | | | |
| <u>Blasthole</u> | BH | fault delineation | SF | HWT thread class | HWT | | |
| <u>Coal Quality</u> | CQ | intrusion delineation | SI | Ozcon casing | OZCO | | |
| large diameter | CL | | | PN06 class UPVC | PN06 | | |
| slim core testing | CS | | | PN09 class UPVC | PN09 | | |
| spontaneous combustion testing | CC | | | PN12 class UPVC | PN12 | | |
| | | | | PN18 class UPVC | PN18 | | |
| | | | | SFJ thread class | SFJ | | |
| Environmental | | GEODETTIC DATUM | | CASING GROUT | | | |
| acid leachate testing | EA | <u>Australian Geodetic Datum</u> | AGD | bentonite | BE | | |
| stygo fauna monitoring | ES | Australian Geodetic Datum 66 | AGD66 | cement slurry | CS | | |
| | | Australian Geodetic Datum 84 | AGD84 | concrete aggregate | AG | | |
| | | Australian Mapping Grid | AMG | cuttings | CT | | |
| <u>Gas</u> | GS | Geocentric Datum Australia | GDA | gypsum | GY | | |
| compliance gas testing | GC | Geocentric Datum Australia 94 | GDA94 | pressure grouted slurry | PG | | |
| controlled pressure well | GL | Geocentric Datum Australia 2020 | GDA2020 | soil | SO | | |
| end of borehole well | GE | Local Datum | LOC | two pack foam | FO | | |
| gas drainage undifferentiated | GD | Map Grid Australia | MGA | washed gravel | GV | | |
| goaf drainage | GG | Universal Transverse Mercator | UTM | | | | |
| pumping inert gas into workings | GN | | | | | | |
| ranging well | GR | | | | | | |
| surface to in-seam well | GI | | | | | | |
| underground in-seam gas-riser | GU | | | | | | |
| vertical production well | GZ | | | | | | |
| virgin gas testing | GV | | | | | | |
| Geotech | | HEIGHT DATUM | | BOREHOLE STATUS | | | |
| extensometer | TE | Australian Height Datum | AHD | backfilled | B | | |
| geotechnical properties | TR | Approximate Level | APX | casing removed | X | | |
| penetrometer | TP | Local Datum | LOC | cemented | N | | |
| primary hydraulic fracturing | TF | | | completed | C | | |
| pumping pre-consolidation grout | TC | | | equipment in borehole | E | | |
| stress test cell / stress overcore | TX | | | hazard in borehole | H | | |
| tiltmeter | TL | | | infrastructure | I | | |
| | | | | in progress | P | | |
| | | | | mined | M | | |
| | | | | open | O | | |
| | | | | piezometer | Z | | |
| | | | | plugged | G | | |
| | | | | rehabilitated | R | | |
| | | | | unknown | U | | |
| | | | | water bore | W | | |

CoalLog v3.1 – Drilling and Water Observation Dictionary

DRILLING DATA

BIT TYPE

Non-Coring Bits

| | |
|-------------------------------|----|
| auger | AG |
| blades / drag blade | BL |
| hammer | HA |
| mill claw | MC |
| poly crystalline diamond open | PO |
| rock roller / tricone | TR |
| surface / wing | SF |
| unknown | UN |

Coring Bits

| | |
|--|----|
| diamond core (wireline) | DW |
| poly crystalline diamond core (conventional) | PC |
| poly crystalline diamond core (wireline) | PW |
| tungsten carbide core (conventional) | TC |

DRILL FLUID

| | |
|-----------------|---|
| air | A |
| bentonite mud | M |
| foam | F |
| polymer | P |
| soluble oil | S |
| water | W |
| water injection | I |

DRILL SIZE NAME

Wireline Barrel

| | |
|-------------------------------|-----|
| NQ (48mm / 76mm) | NQ |
| HQ (64mm / 96mm) | HQ |
| PQ (85mm / 123mm) | PQ |
| NQ triple tube (45mm / 76mm) | NQ3 |
| HQ triple tube (61mm / 96mm) | HQ3 |
| PQ triple tube (83mm / 123mm) | PQ3 |

Conventional Core Barrel

| | |
|---------------------------------|------|
| NMLC triple tube (52mm / 76mm) | NMLC |
| HMLC triple tube (64mm / 99mm) | HMLC |
| PMLC triple tube (/) | PMLC |
| 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 |

Other

| | |
|---------|-----|
| Unknown | UNK |
|---------|-----|

WATER OBSERVATION DATA

WATER TEST TYPE

| | |
|------------------|---|
| 305mm Board | 3 |
| 610mm Board | 6 |
| 914mm Board | 9 |
| bucket | B |
| dry | D |
| estimate | E |
| driller injected | I |
| observed damp | M |
| v-notch | V |
| observed wet | W |

CoalLog v3.1 - Lithology Dictionary

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

CoalLog v3.1 - Lithology Dictionary

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

CoalLog v3.1 - Lithology Dictionary

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

CoalLog v3.1 - Lithology Dictionary

[illegible]

CoalLog v3.1 – 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 |
| EST 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 |

| 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 |
| <u>DEFECT INTACT</u> | |
| intact | I |
| <u>DEFECT CONTIN</u> | |
| continuous across core width | C |
| discontinuous across core width | D |
| divaricates (splits) | V |
| truncated within core width | T |
| <u>DIP ORIENT METH</u> | |
| directly measured from reference line | D |
| estimated | E |
| indirectly measured | I |
| measured from televIEWer | A |
| <u>SHAPE</u> | |
| concave / convex | C |
| irregular | I |
| planar | P |
| stepped | S |
| undulose | U |

| ROUGHNESS | |
|----------------------|----|
| polished | P |
| rough | R |
| slickensided | K |
| smooth | S |
| <u>JRC</u> | |
| 1 ... 10 | |
| <u>INFILL TYPE</u> | |
| 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 |
| <u>POINT LOAD DATA</u> | |
| <u>SAMPLE STATE</u> | |
| dry | D |
| wet | W |
| <u>PL TEST TYPE</u> | |
| axial | A |
| diametral | D |
| irregular | I |
| <u>FAILURE MODE</u> | |
| bedding plane | B |
| invalid | I |
| joint | J |
| penetrative | P |
| valid | V |

CoalLog v3.1 – Coal Quality Dictionary

| | | | | | |
|--|--------|--|--------|--|-------|
| SAMPLE TYPE | | | | | |
| Ply sample | PLY | SGS – Newcastle | SGSNL | G14 | G14 |
| Composite sample | COMP | SGS – Wollongong | SGSWOL | G15 | G15 |
| | | | | G16 | G16 |
| | | Unknown | UNK | G17 | G17 |
| | | | | G18 | G18 |
| | | | | G19 | G19 |
| | | | | G20 | G20 |
| SAMPLE LITH | | | | | |
| Coal | CO | NB : For results from CCI use the appropriate Bureau Veritas code as CCI was taken over by Bureau Veritas in 2007. | | | |
| Stone | SN | | | | |
| Parting | PA | | | | |
| Roof | RF | | | | |
| Floor | FL | | | | |
| PREV TESTING | | | | | |
| Gas desorption | GD | | | | |
| Geotech | GT | | | | |
| LAB NAME | | | | | |
| ALS – Bowen | ALSBWN | | | | |
| ALS – Collie | ALSCIE | | | | |
| ALS – Emerald | ALSEMD | | | | |
| ALS – Gladstone | ALSGLT | | | | |
| ALS – Gunnedah | ALSGUH | | | | |
| ALS – Lithgow | ALSLTW | | | | |
| ALS – Mackay | ALSMKY | | | | |
| ALS – Newcastle | ALSNTL | | | | |
| ALS – Richlands | ALSRC | | | | |
| ALS – Riverview | ALSRVW | | | | |
| Bureau Veritas – Blackwater | BVBLT | | | | |
| Bureau Veritas – Gladstone | BVGLT | | | | |
| Bureau Veritas – Muswellbrook | BVMBK | | | | |
| Bureau Veritas – Mackay | BVMKY | | | | |
| Bureau Veritas – Moranbah | BVMBH | | | | |
| Bureau Veritas – Newcastle | BVNTL | | | | |
| Bureau Veritas – Singleton | BVSGL | | | | |
| GeoGAS – Mackay | GGMKY | | | | |
| GeoGAS – Wollongong | GGWOL | | | | |
| Preplab Testing Services – Gladstone | PTSGLT | | | | |
| Preplab Testing Services – Rockhampton | PTSROK | | | | |
| SGS – Bowen | SGSBWN | | | | |
| SGS – Gladstone | SGSGLT | | | | |
| SGS – Muswellbrook | SGSMBK | | | | |
| SGS – Mackay | SGSMKY | | | | |
| SGS – Mount Thorley | SGSMTH | | | | |
| | | PRE TREATMENT | | VIT TYPE | |
| | | Crushed | CRSH | Vitrinite Reflectance A (Telovitrinite) | TELO |
| | | Drop Shatter | DROP | Vitrinite Reflectance B (Detrovitrinite) | DETRO |
| | | Drop Shatter, Hand Knapped | DPHK | Vitrinite Reflectance (A & B) | ALL |
| | | Drop Shatter, Hand Knapped, Dry Tumbled | DPHD | | |
| | | Drop Shatter, Hand Knapped, Wet Tumbled | DPHW | | |
| | | Coal Pulverisation sieve analysis | CLPV | | |
| | | Coke Properties sieve analysis | CKPP | | |
| | | Gas - Uncrushed sample | GSUN | | |
| | | Gas - Crushed sample | GSCR | | |
| | | SIZE TYPE | | | |
| | | Wet | W | | |
| | | Dry | D | | |
| | | GRAY KING TYPE | | | |
| | | 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 | | |
| | | G10 | G10 | | |
| | | G11 | G11 | | |
| | | G12 | G12 | | |
| | | G13 | G13 | | |