

**LITHOLOGY** (*Italics underlined* = Reg Codes)

<u>NS</u>	No Site Found/No Sample taken - Refers to collection of historical drill chips
<u>PC</u>	<i>Palaeochannel</i>
<u>UKN</u>	<i>Unknown</i>
<u>AL</u>	<i>Alluvium</i>
<u>CL</u>	<i>Clay</i>
<u>L</u>	<i>Laterite</i>
<u>OCC</u>	<i>Overburden Chemical Calcrete</i>
<u>OCE</u>	<i>Overburden Chemical Evaporite</i>
<u>OCH</u>	<i>Overburden Chemical Hardpan</i>
<u>OCS</u>	<i>Overburden Chemical Silcrete</i>
<u>OFC</u>	<i>Overburden Ferricrete</i>
<u>OLR</u>	<i>Duricrust - Undiff (Previously: Lateritic Residuum)</i>
<u>OLRR</u>	<i>Duricrust in Residual Profile</i>
<u>OLRT</u>	<i>Duricrust in Transported Profile</i>
<u>OLT</u>	<i>Overburden Laterite Gravel</i>
<u>OR</u>	<i>Overburden Residual</i>
<u>ORE</u>	<i>Overburden Residual Eluvium</i>
<u>ORL</u>	<i>Overburden Residual Lateritic Gravels</i>
<u>OS</u>	<i>Overburden Soil (Undifferentiated)</i>
<u>OSC</u>	<i>Overburden Soil (Pedogenic Carbonate)</i>
<u>OSR</u>	<i>Overburden Soil (Residual)</i>
<u>OST</u>	<i>Overburden Soil (Transported)</i>
<u>OT</u>	<i>Overburden Transported (Undifferentiated)</i>
<u>OTA</u>	<i>Overburden Transported Alluvium</i>
<u>OTAC</u>	<i>Overburden Transported Alluvium - Clay-rich</i>
<u>OTAF</u>	<i>Overburden Transported Alluvium - Ferruginous</i>
<u>OTAG</u>	<i>Overburden Transported Alluvium - Gravel (+/-pisolites)</i>
<u>OTAL</u>	<i>Overburden Transported Alluvium - Lignite</i>
<u>OTAS</u>	<i>Overburden Transported Alluvium - Sand</i>
<u>OTC</u>	<i>Overburden Transported Colluvium</i>
<u>OTCF</u>	<i>Overburden Transported Palaeochannel Clay - Ferruginous</i>
<u>OTCK</u>	<i>Overburden Transported Palaeochannel Clay - Kaolinitic (pallid zone; non plastic)</i>
<u>OTCL</u>	<i>Overburden Transported Colluvium (Ferruginous lateritic)</i>
<u>OTCM</u>	<i>Overburden Transported Palaeochannel Clay - Plastic; mottled +/-pisolites</i>
<u>OTCP</u>	<i>Overburden Transported Pisolitic Clay</i>
<u>OTFG</u>	<i>Overburden Transported Ferruginous Gravels</i>
<u>OTL</u>	<i>Overburden Transported Lateritic Gravels</i>
<u>OTPC</u>	<i>Overburden Transported Pisolitic Gravel - Consolidated (looks like laterite hardcap)</i>
<u>OTSW</u>	<i>Overburden Transported Sheetwash Plain</i>
<u>OTW</u>	<i>Overburden Transported Aeolian Material</i>
<u>RDX</u>	<i>REDOX Zone</i>
<u>LP</u>	<i>Pedolith - Pallid</i>
<u>LF</u>	<i>Pedolith - Lateritic Ferricrete</i>
<u>LGU</u>	<i>Pedolith - Lateritic Gravels (Unconsolidated)</i>
<u>LGV</u>	<i>Pedolith - Lateritic Gravel</i>
<u>CLM</u>	<i>Pedolith - Mottled (Undiff)</i>
<u>CLMR</u>	<i>Pedolith - Mottled in Residual profile</i>
<u>CLMT</u>	<i>Pedolith - Mottled in Transported profile</i>
<u>LS</u>	<i>Saprolith - Saprolite (Undifferentiated)</i>
<u>LM</u>	<i>Pedolith - Mottled</i>

<u>LSC</u>	<i>Saprolith - Upper Saprolite Clay (primary fabric destroyed; goethite+haematite clays)</i>
<u>LSL</u>	<i>Saprolith - Lower Saprolite (primary fabric preserved; clay &gt;20%)</i>
<u>LSP</u>	<i>Saprolith - Oxidised Lower Saprolite (primary fabric preserved; clay &gt;20%)</i>
<u>LSR</u>	<i>Saprolith - Saprock (fresh rock fragments; clays&lt;20%)</i>
<u>LSU</u>	<i>Saprolith - Upper Saprolite Clay (primary fabric destroyed; leached kaolinite+goethite clays)</i>
S	Sedimentary Rocks (Undifferentiated)
SA	Arenite (<20% matrix)
SAF	Arenite - Feldspathic (<90% Quartz-%Feldspar > %Lithics)
SAI	Arenite - Intermediate (hornblende-rich; <20% fine-grained matrix)
SAL	Arenite - Lithic (<90% Quartz-%Lithics > %Feldspar)
SAQ	Arenite - Quartz (>90% Quartz)
SASH	Sandstone & Shale - Interbedded
SASL	Sandstone & Siltstone - Interbedded
SC	Conglomerate (Undifferentiated)
SCCT	Conglomerate - Chert-rich clasts
SCF	Conglomerate - Felsic (igneous and/or volcanic clasts)
SCI	Conglomerate - Intermediate (igneous and/or volcanic clasts)
SCM	Conglomerate - Ultramafic and Mafic (igneous and/or volcanic clasts)
SCP	Conglomerate - Polymict (igneous and/or volcanic clasts)
SCT	Sedimentary Chert
SG	Grit (Undifferentiated)
SGF	Grit - Feldspathic (<90% Quartz-%Feldspar > %Lithics)
SGI	Grit - Intermediate (hornblende-rich; <20% fine-grained matrix)
SGL	Grit - Lithic (<90% Quartz-%Lithics > %Feldspar)
SGP	Grit - Polymict
SGQ	Grit - Quartz (>90% Quartz)
SHCC	Shale - Carbonaceous
SHL	Shale (Undifferentiated)
SIF	Banded Iron Formation
SMD	Mudstone
SPEP	Peperite
SSL	Siltstone (Undifferentiated)
SSLC	Siltstone - Carbonaceous
SSLH	Siltstone & Shale - Interbedded
SSP	Spongolite or Spicularite
SST	Sandstone (<20% matrix)
SSTF	Sandstone - Feldspathic
SSTL	Sandstone - Lithic
SSTQ	Sandstone - Quartz
SW	Wacke (Undifferentiated)
SWF	Wacke - Feldspathic (<90% Quartz-%Feldspar > %Lithics)
SWI	Wacke - Intermediate (hornblende-rich; <20-50% fine-grained matrix)
SWL	Wacke - Lithic (<90% Quartz-%Lithics > %Feldspar)
SWQ	Wacke - Quartz (>90% Quartz)
SX	Sedimentary Breccia (Undifferentiated)
SXF	Sedimentary Breccia - Felsic
SXI	Sedimentary Breccia - Intermediate
SXM	Sedimentary Breccia - Mafic
SXP	Sedimentary Breccia - Polymict
SD	Dolomite

SDT	Diamictite/Tillite
SE	Evaporite (Undifferentiated)
SL	Limestone
SV	Volcaniclastic (Undifferentiated)
SVA	Volcaniclastic Arenite (<20% Matrix)
SVAF	Volcaniclastic Arenite - Feldspathic (<90% Quartz-%Feldspar > %Lithics)
SVAL	Volcaniclastic Arenite - Lithic (<90% Quartz-%Lithics > %Feldspar)
SVAQ	Volcaniclastic Arenite - Quartz (>90% Quartz)
SVHL	Volcanic Shale
SVW	Volcaniclastic Wacke (Undifferentiated)
SVWF	Volcaniclastic Wacke - Feldspathic (<90% Quartz-%Feldspar > %Lithics)
SVWL	Volcaniclastic Wacke - Lithic (<90% Quartz-%Lithics > %Feldspar)
SVWQ	Volcaniclastic Wacke - Quartz (>90% Quartz)
SVX	Volcanic Breccia
M	Mafic Rocks (Undifferentiated)
MAB	Alkaline Mafic Volcanics
MB	Basalt
MBC	Ponded Basalt -coarse grained part of flow
MBP	Basalt - Porphyritic
MBW	Basalt - Pillowed
MBX	Basaltic Autoclastic Rock (Undifferentiated)
MBY	Basaltic Pyroclastic Rock (Undifferentiated)
MD	Dolerite
MDL	Dolerite - Leucocratic
MDP	Dolerite - Porphyritic
MDQ	Dolerite - Quartz-bearing
MG	Gabbro
MGL	Gabbro - Leucocratic
MGM	Gabbro - Melanocratic
MGN	Gabbro-norite
MGP	Gabbro - Porphyritic
MGQ	Gabbro - Quartz-bearing
MLP	Lamprophyre
MMB	Basalt - High-Magnesian (Variolitic and/or Pyroxene Spinifex Texture)
MMD	Dolerite - High-Magnesian (Variolitic and/or Pyroxene Spinifex Texture)
MN	Norite
MTB	Basalt - Tholeiitic
MTBM	Basalt - Magnesian Tholeiitic
MV	Basalt - Sub-alkaline
IA	Andesite (Undifferentiated)
IAP	Andesite - Porphyritic (plagioclase phyric)
IL	Latite
IT	Trachyte
IV	Intermediate Volcanic Rock (Undifferentiated)
IVC	Intermediate Tuff - crystal lithic
IVI	Intermediate Ignimbrite
IVT	Intermediate Tuff - ash/lapilli
IVY	Intermediate Pyroclastic Rocks (Undifferentiated)
F	Felsic Rocks (Undifferentiated)
FD	Dacite

FR	Rhyolite
FRA	Alkali Rhyolite
FRD	Rhyodacite
FTA	Felsic Tuff - ash/lapilli
FTC	Felsic Tuff - crystal lithic
FTI	Felsic Ignimbrite
FV	Felsic Volcanic Rocks (Undifferentiated)
FVX	Felsic Autoclastic Rocks (Undifferentiated)
FVY	Felsic Pyroclastic Rocks (Undifferentiated)
G	Intrusive Rocks (Undifferentiated)
GA	Alkali Granite
GD	Diorite
GDI	Granodiorite
GDIQ	Quartz Diorite
GMD	Monzodiorite
GMG	Monzogranite
GMO	Monzonite
GMOQ	Quartz Monzonite/Adamellite
GOFE	Ironstone
GOSS	Gossan
GP	Pegmatite
GR	Granite
GRA	Aplite
GSY	Syenite
GTO	Tonalite
PF	Porphyry - Feldspar
PFB	Porphyry - Feldspar Biotite
PFBH	Porphyry - Feldspar Biotite Hornblende
PFC	Porphyry - Feldspar Chlorite
PFH	Porphyry - Feldspar Hornblende
PFQ	Porphyry - Feldspar Quartz
PFQB	Porphyry - Feldspar Quartz Biotite
PFQH	Porphyry - Feldspar Quartz Hornblende
PQ	Porphyry - Quartz
U	Ultramafic Rocks (Undifferentiated)
UAC	Ultramafic - Amphibole-Carbonate
UAH	Ultramafic - Amphibole-Chlorite
UCS	Ultramafic - Carbonate-Silica
UD	Dunite
UHC	Ultramafic - Chlorite-Carbonate
UK	Komatiite
UPD	Peridotite
UPL	Picrite
UPX	Pyroxenite
US	Ultramafic - Serpentine-Chlorite
UTA	Ultramafic - Talc-Amphibole
UTAH	Ultramafic - Talc-Amphibole-Chlorite
UTC	Ultramafic - Talc-Carbonate
UTH	Ultramafic - Talc-Chlorite
UTHC	Ultramafic - Talc-Chlorite-Carbonate

HGF	Gneiss - Felsic
HGN	Gneiss (Unknown Protolith)
HGR	Granulite (Unknown Protolith)
HHF	Hornfels (Unknown Protolith)
HM	Amphibolite - Mafic (Undifferentiated)
HMU	Marble
HNRCK	Not Rock - ie. shotcrete wood etc
HOF	Ortho Amphibolite - Alkali-rich (Felsic-Intermediate)
HOFH	Ortho Hornfels - Alkali-rich (Felsic-Intermediate)
HOM	Ortho Amphibolite - Fe-rich (Mafic Derived)
HOMH	Ortho Hornfels - Fe-rich (Mafic Derived)
HOU	Ortho Amphibolite - Mg-rich (Ultramafic Derived)
HOUH	Ortho Hornfels - Mg-rich (Ultramafic Derived)
HPA	Para Amphibolite
HPG	Para Granulite
HPH	Para Hornfels
HPK	Para Amphibolites - Alkali-rich (pyrophyllite-biotite-minor alunino-silicates)
HPKH	Para Hornfels - Alkali-rich (muscovite-biotite)
HPL	Pelite
HPN	Para Gneiss
HPP	Phyllite
HPQ	Quartzite
HPS	Slate
HRM	Carbonate Marl
Z	Schist (Undifferentiated)
ZBI	Schist - Biotite
ZCB	Schist - Carbonate
ZCL	Schist - Chlorite
ZMU	Schist - Muscovite
ZSR	Schist - Sericite
ZTA	Schist - Talc
TBX	Fault Breccia
TFT	Fault (Undifferentiated)
THX	Hydrothermal Breccia
TMY	Mylonite
V	Vein (Undifferentiated)
AX	Massive Sulphide (Undifferentiated)
HFILL	Back filled stopes/collapsed workings
HVOID	Unfilled stopes/Open workings
HWAST	Waste Dump
LOSS	Core Loss (no rock sample)
NAVI	No sample recovered (NAVI drilling)
NLOG	Not logged
NREC	No sample recovered (RAB-AC-RC-Blade)
WB	Backfill
WC	Water course
WW	Waste Dump
X	Unnamed Marker Unit or Formation
XX	Contamination
I	Intermediate (Undifferentiated)

## COLOUR

2A	Dark Grey
3A	Medium Grey
4A	Light Grey
C	Cream
F	Pink
2G	Dark Green
3G	Medium Green
4G	Light Green
K	Khaki
N	Black
5N	Pale Black
2O	Dark Orange
3O	Medium Orange
4O	Light Orange
P	Purple
R	Red
T	Tan
2U	Dark Brown
3U	Medium Brown
4U	Light Brown
W	White
2Y	Dark Yellow
3Y	Medium Yellow
4Y	Light Yellow
UKN	Unknown

## GRAIN SIZE

- 0 Glassy
- 1 Clay (<0.0039mm)
- 2 Silt (0.0039mm - 0.0625mm)
- 3 Very Fine Sand/Fine Sand (0.0625mm - 0.25mm)
- 4 Medium Sand/Coarse Sand (0.25mm - 1.00mm)
- 5 Grit/Granule (1.00mm - 4.00mm)
- 6 Very Small Pebble/Small Pebble (4.00mm-16.00mm)
- 7 Medium Pebble/Large Pebble (16.00mm - 64.00mm)
- 8 Small Cobble/Large Cobble (64.00mm - 256.00mm)
- 9 Small Boulder (>256.00mm)

## TEXTURE

AD	Amygdaloidal
AH	Aphanitic
AL	Agglomerate
AM	Amorphous
AP	Aplitic
AT	Adcumulate
AY	Aphyric
BD	Bedded
BN	Banded

BR	Brecciated
CB	Cross-bedded
CC	Concretionary
CM	Chilled Margin
CP	Clast-supported
CT	Clastic
CU	Cumulate
CX	Crystalline
EQ	Equigranular
FB	Flow Banded
FE	Flow Top Breccia (autobreccia)
FI	Fibrous
FO	Foliated
FR	Fragmental
FS	Fissile
GB	Granoblastic
GF	Graphic intergrowth
GH	Ghosted Phenocrystic
GL	Granulose
GN	Gneissic
GP	Glomero-porphyritic
GR	Granophyric
GV	Gravelly
HF	Hornfelsic
HX	Hyaloclastic (Porphyry brecciated within the porphyry)
ID	Interbedded
IG	Intergranular
IQ	Inequigranular
LD	Load Casted
LL	Lit-Par-Lit (interbedded sediments & intrusions)
LM	Laminated
LN	Lenticular
LY	Layered
MC	Mud Cracked
MK	Matrix-supported
MM	Migmatitic
MT	Mottled
MX	Massive
OM	Orthocumulate
OP	Ophitic
PB	Porphyroblastic
PC	Porphyroclastic
PD	Pillowed
PF	Feldspar Porphyritic
PG	Pegmatitic
PI	Pisolitic
PK	Poikilitic
PL	Pellets
PP	Porphyritic
PQ	Quartz Porphyritic

PR	Peperitic
PX	Pillowed Breccia - Hyaloclastic
QC	Quench Texture
SH	Spinifex - Sheaf
SN	Spinifex - Random
SR	Scoured
SS	Soft Sediment Slumping
SZ	Shear(ed)
TF	Tuffaceous
VG	Vuggy
VI	In vein selvages and scattered throughout matrix
VS	Vesicular
VT	Variolitic
WL	Welded
XC	Cross-cutting
XM	Moderately sorted
XN	Xenolithic
XP	Poorly sorted
XW	Well sorted
ZS	Within shears

## ALTERATION MINERALS

AA	Andalusite
AB	Albite
ABCL	Albite-Chlorite
ABDO	Albite-Dolomite
ABEP	Albite-Epidote
ABHE	Albite-Haematite
ABLE	Albite-Leucoxene
ABMG	Albite-Magnetite
ABQZ	Albite-Quartz
ABSK	Albite-Silica
ABSR	Albite-Sericite
AC	Actinolite
AK	Ankerite
AKCL	Ankerite-Chlorite
AKQZ	Ankerite-Quartz
AL	Almandine
AO	Asbestos
AP	Anthophyllite
AR	Argillic Clays
AS	Arsenopyrite
ASCB	Arsenopyrite-Carbonate
ASCL	Arsenopyrite-Chlorite
ASDO	Arsenopyrite-Dolomite
ASPO	Arsenopyrite-Pyrrhotite
ASPY	Arsenopyrite-Pyrite
ASQZ	Arsenopyrite-Quartz
AU	Gold
AUQZ	Gold-Quartz

AX	Amphiboles (Undifferentiated)
AXCL	Amphiboles-Chlorite
AY	Anhydrite
AZ	Azurite
BA	Barite
BI	Biotite
BIAB	Biotite-Albite
BICA	Biotite-Calcite
BICB	Biotite-Carbonate
BICL	Biotite-Chlorite
BIHE	Biotite-Haematite
BIQZ	Biotite-Quartz
BISK	Biotite-Silica
BISR	Biotite-Sericite
BO	Bornite
CA	Calcite
CACL	Calcite-Chlorite
CAHE	Calcite-Haematite
CALE	Calcite-Leucoxene
CAQZ	Calcite-Quartz
CASK	Calcite-Silica
CASR	Calcite-Sericite
CB	Carbonate (Undifferentiated)
CBAB	Carbonate-Albite
CBBI	Carbonate-Biotite
CBCL	Carbonate-Chlorite
CBCLFUSK	Carbonate-Chlorite-Fuchsite-Silica
CBCLQZ	Carbonate-Chlorite-Quartz
CBCLSK	Carbonate-Chlorite-Silica
CBCLSR	Carbonate-Chlorite-Sericite
CBEP	Carbonate-Epidote
CBFD	Carbonate-Feldspar
CBFU	Carbonate-Fuchsite
CBHE	Carbonate-Haematite
CBLE	Carbonate-Leucoxene
CBMG	Carbonate-Magnetite
CBMM	Carbonate-Manganese
CBMU	Carbonate-Muscovite
CBQZ	Carbonate-Quartz
CBSD	Carbonate-Siderite
CBSK	Carbonate-Silica
CBSR	Carbonate-Sericite
CD	Chloritoid
CE	Chalcocite
CI	Cuprite
CL	Chlorite
CLAB	Chlorite-Albite
CLAK	Chlorite-Ankerite
CLBI	Chlorite-Biotite
CLCA	Chlorite-Calcite

CLCB	Chlorite-Carbonate
CLHE	Chlorite-Haematite
CLLE	Chlorite-Leucoxene
CLMG	Chlorite-Magnetite
CLMU	Chlorite-Muscovite
CLQZ	Chlorite-Quartz
CLSK	Chlorite-Silica
CLSR	Chlorite-Sericite
CO	Cordierite
CT	Cassiterite
CU	Copper (Native)
CX	Clinopyroxene
CY	Clay
CYQZ	Clay-Quartz
DI	Diopside
DO	Dolomite
DOQZ	Dolomite-Quartz
DOSR	Dolomite-Sericite
EP	Epidote
FD	Feldspar (Undifferentiated)
FU	Fuchsite
GO	Goethite
GP	Gypsum
GY	Gypsum
HB	Hornblende
HE	Haematite
HEAB	Haematite-Albite
HEBI	Haematite-Biotite
HECA	Haematite-Calcite
HECB	Haematite-Carbonate
HECL	Haematite-Chlorite
HEMG	Haematite-Magnetite
HEQZ	Haematite-Quartz
HESK	Haematite-Silica
HESR	Haematite-Sericite
IM	Ilmenite
KA	Kaolinite
KF	K-Feldspar
LE	Leucoxene
LM	Limonite
MA	Magnesite
MC	Malachite
MG	Magnetite
MGQZ	Magnetite-Quartz
MGSK	Magnetite-Silica
MGSR	Magnetite-Sericite
MH	Maghaemite
MI	Mica
MM	Manganese
MO	Molybdenite

MR	Marcasite
MU	Muscovite
MUSK	Muscovite-Silica
NO	Nontronite
OL	Olivine
OP	Opal
OR	Orthopyroxene
PF	Plagioclase
PH	Phlogopite
PO	Pyrrhotite
POAS	Pyrrhotite-Arsenopyrite
POPY	Pyrrhotite-Pyrite
POQZ	Pyrrhotite-Quartz
POSK	Pyrrhotite-Silica
PP	Pyrophyllite
PR	Pyroxene
PY	Pyrite
PYAS	Pyrite-Arsenopyrite
PYCB	Pyrite-Carbonate
PYCL	Pyrite-Chlorite
PYCP	Pyrite-Chalcopyrite
PYPO	Pyrite-Pyrrhotite
PYQZ	Pyrite-Quartz
PYSK	Pyrite-Silica
QY	Quartz - Chalcedonic
QZ	Quartz
RU	Rutile
SB	Stibnite
SD	Siderite
SE	Serpentine
SH	Scheelite
SK	Silica
SM	Smectite
SP	Sphalerite
SR	Sericite
SRAB	Sericite-Albite
SRAK	Sericite-Ankerite
SRBI	Sericite-Biotite
SRCA	Sericite-Calcite
SRCB	Sericite-Carbonate
SRCL	Sericite-Chlorite
SRDO	Sericite-Dolomite
SRHE	Sericite-Haematite
SRSK	Sericite-Silica
SU	Sulphides (Undifferentiated)
TA	Talc
TL	Tellurides (Undifferentiated)
UKN	Value known to have existed but was lost in translation

## ALTERATION STYLE

BB	Blebs
BN	Banded
DS	Disseminated
EN	Encrustations/Coatings
FI	Fibrous
FM	Films along foliations/shears
FT	Within Fault
GS	Staining within and halos around veins/tensile
HT	structures
IG	Intergranular
IN	Interstitial
IS	Pressure shadow infill
MT	Mottled
PM	Pseudomorphic
PV	Pervasive
PY	Patchy
RE	Replacement
RR	Selective Replacement
SG	In veins and vein selvages
SO	Spots
TM	Streaks/Smears
VH	Vein Halo
VI	In vein selvages and scattered
VV	Through vein matrix
VV	Vein selvage
ZN	Zoned
ZS	Within shears
FF	Present along fracture/joint planes

## ALTERATION INTENSITY

- 1 Weak Alteration; original texture well preserved
- 2 Moderate alteration; partial destruction of fabric/texture
- 3 Strong alteration; destruction of fabric/texture
- 4 Intense alteration; complete destruction of fabric/texture

## MINERALISATION

AK	Ankerite
CL	Chlorite
GA	Garnet
QZ	Quartz
AS	Arsenopyrite
AU	Gold (Native)
AZ	Azurite
BA	Barite
BO	Bornite
CE	Chalcocite
CI	Cuprite
CK	Chrysocolla
CP	Chalcopyrite
CR	Chromite

CT	Cassiterite
CU	Copper (Native)
GN	Galena
GO	Goethite
HE	Haematite
HS	Haematite (Specularite)
MA	Magnesite
MC	Malachite
MG	Magnetite
MM	Manganese (Native)
MO	Molybdenite
MR	Marcasite
PN	Pentlandite
PO	Pyrrhotite
PY	Pyrite
SB	Stibnite
SH	Scheelite
SP	Sphalerite
SU	Sulphides (Undifferentiated)
TL	Tellurides (Undifferentiated)
WO	Wolframite
AC	Actinolite
AX	Amphiboles (Undiff)
AA	Andalusite
BI	Biotite
CA	Calcite
CB	Carbonate (Undiff)
CY	Clay
DO	Dolomite
EP	Epidote
FD	Feldspar (Undiff)
FU	Fuchsite
GR	Graphite
GP	Gypsum
IM	Ilmenite
IX	Iron Oxides
IXPYQZ	Iron Oxides - Pyrite - Quartz
KF	K-Feldspar
KA	Kaolinite
LM	Limonite
MI	Mica
LE	Leucoxene
MU	Muscovite
OL	Olivine
OR	Orthopyroxene
PH	Phlogopite
PF	Plagioclase
PR	Pyroxene
SD	Siderite
SK	Silica

TO	Tourmaline
UKN	Unknown
SND	Sanidine
TC	Talc
ZE	Zeolite

## MINERALISATION STYLE

AC	Acicular
AG	Augen (eyes)
AR	Aggregates
BB	Blebs
BI	Breccia infillings
BL	Bladed
BT	Botryoidal
BU	Boudined
BW	Boxwork
CX	Crystalline
DS	Disseminated
EN	Encrustations/Coatings
EU	Euhedral
FI	Fibrous
FM	Films along foliations/shears
FR	Fragmental
GS	Stainings
HT	Within and halos around veins/tensile structures
IN	Interstitial
IS	Pressure shadow infill
LB	Lensoidal-Banded
MQ	Mosaics
MX	Massive
ND	Nodular
PM	Pseudomorphic
PV	Pervasive
PY	Patchy
RA	Radiating
RE	Replacement
RO	Rosettes
RR	Selective Replacement
SE	Stringer veins/veinlets
SG	In veins and vein selvages
SO	Spots
ST	Stylolitic
TM	Streaks/Smears
VD	Cavity fillings
VH	Vein Halo
VI	In vein selvages and scattered throughout matrix
VN	Within Vein
VV	Vein selvedge
ZS	Within shears
FF	Present along fracture/joint planes

IG Intergranular

## VEIN MINERALOGY

IXPYQZ	Iron Oxide Pyrite Quartz
UKN	Value known to have existed but was lost in translation
VACT	Actinolite Vein
VALB	Albite Vein
VALM	Almandine Vein
VAND	Andalusite Vein
VANH	Anhydrite Vein
VANT	Anthophyllite Vein
VAPL	Aplite Vein
VARG	Argillic Vein
VASB	Asbestos Vein
VAZU	Azurite Vein
VB	Biotite Vein
VBAR	Barite Vein
VBOR	Bornite Vein
VC	Carbonate Vein
VCAS	Cassiterite Vein
VCDL	Dolomite Vein
VCHA	Chalcocite Vein
VCHR	Chromite Vein
VCHY	Chrysocolla Vein
VCK	Ankerite Vein
VCL	Calcite Vein
VCOR	Cordierite Vein
VCPX	Clinopyroxene Vein
VCPY	Chalcopyrite Vein
VCU	Copper Vein
VCUP	Cuprite Vein
VCY	Clay Vein
VD	Amphibole Vein
VDIO	Diopside Vein
VE	Epidote Vein
VET	Talc Vein
VF	Feldspar Vein
VFA	Albite Vein
VFLU	Fluorite Vein
VFOX	Iron Oxides
VFUC	Fuchsite Vein
VG	Gypsum Vein
VGAL	Galena Vein
VGAR	Garnet Vein
VGD	Gold Vein
VGOE	Goethite Vein
VGRA	Graphite Vein
VH	Chlorite Vein
VHAE	Haematite Vein
VHAL	Halite Vein

VHAS	Haematite (Specularite) Vein
VHL	Chloritoid Vein
VHOR	Hornblende Vein
VHS	Chlorite-Sulphide Vein
VHT	Chlorite-Tourmaline Vein
VIL	Illmenite Vein
VKAO	Kaolinite Vein
VKF	K-Feldspar Vein
VKFM	K-Feldspar (Microcline)
VKFO	K-Feldspar (Orthoclase)
VLEU	Leucoxene Vein
VLIM	Limonite Vein
VM	Base Metal Vein
VMAG	Maghemite Vein
VMAL	Malachite Vein
VMAN	Manganese (Native) Vein
VMAR	Marcasite Vein
VMI	Mica Vein
VMNG	Magnesite Vein
VMNT	Magnetite Vein
VMOL	Molybdenite Vein
VMUS	Muscovite Vein
VNON	Nontronite Vein
VO	Oxide Vein
VOLV	Olivine Vein
VOP	Opalised Vein
VORT	Orthopyroxene vein
VP	Serpentine Vein
VPB	Lead Vein
VPHO	Phologopite Vein
VPLG	Plagioclase Vein
VPNT	Pentlandite Vein
VPP	Pyrophyllite Vein
VPX	Pyroxene Vein
VPY	Pyrite Vein
VQ	Quartz Vein
VQS	Quartz-Sulphide Vein
VQZC	Quartz - Chalcedonic
VRUT	Rutile Vein
VS	Sulphide Vein
VSA	Arsenopyrite Vein
VSAN	Sanidine Vein
VSAS	Sauserite Vein
VSCH	Scheelite Vein
VSDR	Siderite Vein
VSER	Sericite Vein
VSH	Sphalerite Vein
VSI	Silica Vein
VSMC	Smectite Vein
VSP	Pyrrhotite Vein

VSPH	Sphalerite Vein
VSRP	Serpentine Vein
VSTB	Stibnite Vein
VT	Tourmaline Vein
VTAL	Talc Vein
VTCL	Telluride Vein (Undiff)
VTRE	Tremolite Vein
VW	White Mica Vein
VWOL	Wolframite Vein
VZR	Zircon Vein

## VEIN STYLE

AN	Anastomosing
BI	Breccia Infillings
BN	Banded
BQ	Bucky
BU	Boudined
VO	Open Space fill vein (vuggy-cockscombe-colloform)
CI	Crustiform
CR	Crackle
CS	Crack-seal
CX	Crystalline
DJ	Disjointed
DL	Dilational
EE	En Echelon
EX	Extensional
FD	Folded
FF	Fracture
FW	Planar
GA	Gash
HB	Hydraulic/Hydrothermal breccia
HY	Hydrofractured
IS	Pressure Shadow Infills
KR	Crackle Brecciated
LB	Lenoidal - Banded
LM	Laminated
MD	Meandering
PG	Pegmatitic
RB	Ribboned
SE	Stringer Veins/Veinlets
ST	Styolitic
SG	Sigmoidal
SW	Stockwork
SZ	Shear(ed)
VD	Cavity infilling
VG	Vuggy
ZS	Within Shears
MX	Massive
BD	Brittle-Ductile Shear
XC	Cross-cutting

RC	Re-crystallised
IR	Irregular
WX	Wallrock breccia and jigsaw fit

## STRUCTURE TYPE

TT	Fault (Undifferentiated)
TP	Fault - Gouge (pug)
TB	Fault - Breccia
TC	Fault - Cataclasite
TF	Fracture
HB	Hydraulic Brecciation
SZ	Shear
SM	Mylonite
SMB	Mylonite - Banded
SMP	Mylonite - Porphyroblastic
SMC	Shear C fabric
SMS	Shear S fabric
SBD	Boudinage
FF	Foliation (Undifferentiated)
FFS	Foliation - fine grained and spaced
FFA	Foliation - axial planar
FFC	Foliation - fine grained and continuous
FSC	Schistosity - coarse grained and continuous
FSS	Schistosity - coarse grained and spaced
FMD	Metamorphic layering
CL	Cleavage (Undifferentiated)
CLC	Cleavage - Crenulation
CLF	Cleavage - Fracture
CLD	Cleavage - Disjunctive
VN	Vein (Undifferentiated)
VL	Vein - Laminated
VS	Vein - Shear Vein
VE	Vein - Extensional
VO	Vein - Open space fill (vuggy)
VB	Vein - Hydrothermal intra vein breccia
VNB	Vein - Net veined breccia (crackled)
CN	Contact (Undifferentiated)
CND	Contact - Depositional
CNI	Contact - Intrusive
CNS	Contact - Sheared
LE	Lineation (Undifferentiated)
LSY	Stylolite
LMS	Lineation - Mineral stretching
LSS	Lineation - Slickenside
LA	Lineation - Shape Alignment
LI	Lineation - Intersection
BFD	Fold (Undifferentiated)
BFG	Fold - Gentle
BFO	Fold - Open
BFT	Fold - Tight

BFIC	Fold - Isoclinal
BFK	Fold - Kinked
BFA	Fold Axis
PBD	Primary bedding
PCB	Cross bedding
PGB	Graded bedding
PCL	Convolute laminations/slump folding
PI	Primary Imbrication
PW	Pillow structure/basalt flow boundary
PWE	Water escape structure
JT	Jointing (Undifferentiated)
J2	Weakly Jointed
J4	Moderately Jointed
J8	Strongly Jointed
VT	Vein - Tabular
BFP	Fold Axial Plane