

GOLD FIELDS AUSTRALASIA SOLITAIRE GEOLOGY LEGEND

Lithology

L	Residual regolith (weathered zone)
LA	Laterite
LC	Clay
LF	Ferruginous clay
LFB	Ferruginous clay, biotite
LFC	Ferruginous clay, carbonate
FFF	Ferruginous clay, feldspar
LFFS	Ferruginous clay, feldspar-sericite
LFI	Ferruginous clay, ironstone
LFM	Ferruginous clay, mafic
LFN	Ferruginous clay, nontronite
LFP	Ferruginous clay, feldspar
LFS	Ferruginous clay, sericite
LGF	Goethitic clay, feldspar
LGS	Goethitic clay, sericite
LK	Kaolinite
LKB	Kaolinite, carbonate
LKF	Kaolinite, feldspar
LKS	Kaolinitic, sericite
LM	Muscovite-bearing
LMB	Muscovite-bearing, biotite
LMC	Muscovite-bearing, carbonate
LMF	Muscovite-bearing, feldspar
LMG	Muscovite-bearing, goethite
LMI	Muscovite-bearing, ironstone
LMS	Muscovite-bearing, sericite
LR	Saprock
LRB	Saprock, biotite
LRF	Saprock, feldspar
LRS	Saprock, sericite
LS	Saprolite
LSB	Saprolite, biotite
LSF	Saprolite, ferruginous
LSI	Saprolite, ironstone
LSK	Saprolite, potassic
LSL	Saprolite, limonite
LSN	Saprolite, nontronite
LSR	Saprolite, ?
LSS	Saprolite, sericite

N	Transported Regolith (recent cover sediments)
NA	Alluvium, undifferentiated
NAC	Alluvial clay
NAF	Alluvium, ferruginous
NAG	Alluvial gravel
NAL	Alluvium, limonite
NAN	Alluvium, nontronite
NAP	Alluvium, pallid
NAR	Alluvium,
NAS	Alluvial sand
NAT	?
NATS	?
NC	Clay
NCF	Ferruginous clay
NCG	Clay & gravel
NCL	Clay
NCN	Clay, nontronite
NCP	Pallid clay
NCR	?
NCS	Clay,
NDM	?
NFP	Ferricrete hardpan
NHF	Hardpan, ferruginous-lateritic
NHG	Hardpan, gravel
NHS	Hardpan, silcrete
NHSF	Harpan, silcrete-ferricrete
NHW	Hardpan,
NOG	Gravel
NOS	Sand
NOSL	Silt
NRG	?
NSC	?
NSN	?

S	Sedimentary rocks, undifferentiated
SCT	Chert
SI	Sediment, iron-formation
SL	Metapelite, undifferentiated
SP	Metapsammite, undifferentiated
SPS	Sandstone
SSC	Sediment, schistose
SSH	Shale
SSQ	Quartzite
SW	Sediment, weathered

F	Felsic, undifferentiated
FB	Felsic biotite schist
FG	Felsic granitoid, undifferentiated
FG(K)	Felsic granitoid, potassic
FGD	Granodiorite
FGG	Syenogranite, monzogranite, alkali feldspar granite
FGM	Monzogranite
FGP	Pegmatite
FGP(K)	Pegmatite, potassic
FGT	Tonalite, trondjemite
FGT(K)	Tonalite, potassic
FI	Intrusive (dyke, sill, etc)
FM	Monzonite
FMQ	Quartz monzonite
FN	Felsic gneiss
FPG	Porphyritic granitoid
FQB	Felsic quartz biotite schist
FSC	Felsic schist
FSC(K)	Felsic schist, potassic

M	Mafic, undifferentiated
MD	Dolerite
MM	Amphibolite
MSC	Mafic schist

V	Vein
VFG	Feldspar-quartz vein
VQTZ	Quartz vein

X	Unknown - (uncertain?) rock
XB	Breccia
XB-SLM	Breccia
XBFB	Breccia, feldspar
XBFB(Q)	Breccia, feldspar (quartz)
XBFBQ	Breccia, feldspar quartz
XBG	Breccia, granite
XBGRP	Breccia, pegmatite
XBI	Breccia, intermediate
XBM	Breccia, mafic
XBQ	Breccia, quartz
XBQF	Breccia, quart-feldspar
XBQFS	Breccia, quart-feldspar-sericite
XBQS	Breccia, quart-sericite
XBS	Breccia, sericite
XBSF	Breccia, sericite-feldspar
XBSQ	Breccia, sericite-quartz
XCQ	Conglomerate, quartz
XFB	Felsic, biotite
XFM	Felsic monzonite
XFQ	Felsic, quartz
XFQS	Felsic, quartz-sericite
XFS	Felsic, sericite
XFSQ	Felsic, sericite-quartz
XGBQ	Granitoid, biotite-quartz
XGFS	Granitoid, feldspar-sericite
XGS	Granitoid, sericite
XGSF	Granitoid, sericite-feldspar
XGSQ	Granitoid, sericite-quartz
XH	Hematite-bearing rock
XHKQ	Hematite-bearing rock, kspar+quartz
XHQB	Hematite-bearing rock, quartz-biotite
XHS	Hematite-bearing rock, sericite
XHSF	Hematite-bearing rock, sericite-feldspar
XHSK	Hematite-bearing rock, sericite-potassic
XHSQ	Hematite-bearing rock, sericite-quartz
XKGS	Kaolinite-bearing rock, goethite-sericite
XKQ	Kaolinite-bearing rock, quartz
XKQS	Kaolinite-bearing rock, quartz-sericite
XKS	Kaolinite-bearing rock, sericite
XM	Muscovite-bearing rock
XMD	Muscovite-bearing rock, dolerite?
XMF	Muscovite-bearing rock, feldspar
XMFQ	Muscovite-bearing rock, feldspar-quartz
XMQ	Muscovite-bearing rock, quartz
XMQF	Muscovite-bearing rock, quartz-feldspar
XQB	Quartz-bearing rock, biotite
XQHF	Quartz-bearing rock, hematite-feldspar
XQM	Quartz-bearing rock, muscovite
XQS	Quartz-bearing rock, quartz-sericite
XS	Sericite-bearing rock
XSC	Sericite-bearing rock, carbonate?
XSCB	Sericite-bearing rock, carbonate-biotite
XSF	Sericite-bearing rock, feldspar
XSF(Q)	Sericite-bearing rock, feldspar-quartz
XSFQ	Sericite-bearing rock, feldspar-quartz
XSH	Sericite-bearing rock, haematite
XSK	Sericite-bearing rock, kaolin
XSQ	Sericite-bearing rock, quartz

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Regolith

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NOSL	Silt
NRG	?
NSC	?
NSN	?

Oxidation

WOX	Weakly oxidised
MOX	Moderately oxidised
SOX	Strongly oxidised
FR	Fresh

Grain size

VFG	Very fine grained
FG	Fine grained
MG	Medium grained
CG	Coarse grained
VCG	Very coarse grained

Foliation

W	Weak
M	Moderate
S	Strong

Texture

BLE	Bleached
BND	Banded
CRN	Crenulated
EQG	Equigranular
FER	Ferruginous
GNS	Gneissic
GPY	Granophyre
IND	Indurated
LAM	Laminated
LCH	?
MAS	Massive
MOT	Mottled
NOD	Nodular
PGM	Pegmatic
PHY	Phyllitic
POW	Powdery
PPH	Porphyritic
PUG	Puggy
SAC	Saccharoidal
SCH	Schistose
SIL	Silt
UNS	Unsorted

Vein type

CCT	Cacite
KFP-QTZ	K feldspar - Quartz
PLG-KFP	Plagioclase - K feldspar
PLG-QTZ	Plagioclase - Quartz
QTZ	Quartz
QTZ-FPR	Quartz - Feldspar
QTZ-KFP	Quartz - K feldspar
QTZ-PLG	Quartz - Plagioclase
QTZ-PLG-KFP	Quartz - Plagioclase - K feldspar

Sulphide

TR PY	Trace pyrite
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Composition

AMP	Amphibole
BIO	Biotite
CCT	Calcite
CHT	Chlorite
CLY	Clay
CPX	Clinopyroxene
CRB	Carbonate
EPD	Epidote
FER	Ferruginous
FPR	Feldspar
GOE	Goethite
GRP	Graphite
HBD	Hornblende
HEM	Hematite
KFP	K feldspar
KLN	Kaolinite
LIM	Limonite
MIC	Mica
MNG	Manganiferous
MUS	Muscovite
PLG	Plagioclase
PYX	Pyroxene
QTZ	Quartz
SCH	Scheelite
SER	Sericite
SIL	Silica
SLM	Silimanite
TML	Tourmaline

Colour

BK	Black
BR	Brown
BU	Blue
CR	Cream
GN	Green
GY	Grey
KH	Khaki
MV	Mauve
OR	Orange
PK	Pink
PP	Purple
RD	Red
WH	White
YE	Yellow
L	Light
D	Dark

Recovery

G	Good sized
U	Undersized
C	Contaminated

Water

D	Damp
M	Moist
W	Wet
S	Strong flow