

Drill Type	
AC	Air Core
NQ	NQ Diamond core
HQ	HQ Diamond core
PQ	PQ diamond core
RAB	RAB (open hole air percussion drilling)
RC	Reverse Circulation air percussion drilling
MUD	Rotary Mud

Unit	
AB	Arunta Block
APV	Antrim Plateau Volcanics
BSF	Bitter Springs Formation - Amadeus Basin
CTS	Cretaceous
FSG	Flynn Sub-Group
HCG	Hatches Creek Group
HFM	Hayfield Mudstone
HQ	Heavitree Quartzite - Amadeus Basin
JSS	Jamison Sandstone (upper Roper Group, unconformable above KYM)
KYM	Kyalla Member of Roper Group McMInn Formation
MSM	Moroak Sandstone Member of Roper Group McMInn Formation
PG	Proterozoic Granites
SIM	Sherwin Ironstone Member - Roper Group
TLS	Tindal Limestone (or equivalent Top Springs Limestone)
TT	Tertiary laterite (?)
UND	Undecided
VEL	Velkerri Formation
WB	Wiso Basin
WF	Warramunga Formation
TC	Tertiary Cover

Lithology	
ALG	Algal silt/very fine grained rock with algal laminations
ALV	alluvium
AMP	amphibolite (Meta-marl/dololomite (lime-rich-mud) to form para-amphibolite - may be
ANDTF	andesitic tuff
APL	aplite (fine-grained light-colored granitic rock of orthoclase-quartz)
ARG	argillite (transitional shale to slate)
ARK	arkose (feldspar-rich sandstones)
ARN	arenite (0.06–2mm sand)
BAS	Basalt
BIF	banded iron formation
BSH	black shale
BX	breccia
CAL	Calcrete
CAV	cavity
CBR	carbonate rock
CH	chlorite
CHT	chert
CLC	chalcedony
CNG	conglomerate
COL	colluvium
CSR	calc-silicate rock

CY	clay
DLS	dolomitic shale (dololutite)
DLT	dolerite
DOL	dolomite
DRT	diorite
FES	ironstone
FEST	Strongly ferruginous sandstone (i.e. Secondary mobilisation of iron oxide into pore space)
FPY	feldspar porphyry
FRCT	ferricrete
FRK	felsic rock
FVL	felsic volcanic
GAB	gabbro
GNS	gneiss
GOS	gossan
GPT	graphitic
GRD	granodiorite
GRT	granite
GVL	gravel
GWK	greywacke (coarse-angular sandstone)
HEMOO	Oolite; this code used in mapping but not in core logging (as of 28 Oct09); hematite oolite;
JAS	Jasper
KAO	kaolinite (Weathered feldspars clay)
LAM	lamprophyre
LAT	laterite
LMT	limestone
MAG	magnesite
MBL	marble
MBX	matrix supported breccia
MQZ	massive quartz
MRK	mafic rock
MSD	metasediment
MST	mudstone
MSU	massive sulphide
MVL	mafic volcanic
MYL	mylonite (Fine-grained, formed by grinding during intense folding or faulting, cataclastic
NC	no code
NR	No recovery
OO	Oolite; typically hematite oolite but can be silicified or of mixed ooid composition; during
ORG	organic
OSH	Oolitic shale
OST	Oolitic sandstone; a detrital quartz sandstone with generally <5 % ooids as ooid trains or a
PEG	pegmatite
PHL	phyllite
PHY	porphyry
PIS	pisolite
QBX	quartz breccia
QMON	quartz monzonite
QSY	quartz syenite
QVN	quartz vein
QZT	quartzite
RES	residual
RHDC	rhyodacite

RHT	rhyolite
RHTF	rhyolitic tuff
SCH	schist
SER	sericitic
SH	shale
SIDOO	Siderite oolite; this rock is essentially a siderite carbonate, yellow to red in colour, typically
SIDSOO	Strongly sideritic sandy oolite; pale green or yellow-grey rock with abundant/pervasive fine
SL	slate
SLT	siltstone
SND	sand
SOL	soil
SOO	Sandy oolite (oolite with 10->25% detrital quartz grains; black or red rock with abundant
SST	sandstone
SYN	syenite
TRN	transported
TSC	talc schist
TUF	tuff
UND	undifferentiated
VBX	volcanic breccia
VCC	volcaniclastic
VOL	volcanic

Oxidation

VH	very highly oxidised
H	highly oxidised
M	moderately oxidised
W	slightly oxidised
FR	fresh

Colour Intensity

BT	bright
PL	pale
LT	light
MD	medium
DK	dark

Colour

BK	black
BL	blue
BR	brown
BU	BUFF
CR	cream
GR	green
GY	gray
IR	iridescent
KH	khaki
MA	Maroon
OL	olive
OR	orange
PI	pink
PU	purple
RD	red

VI	violet
WH	white
YE	yellow

Texture

AM	amorphous
AMY	amygdaloidal
APH	aphanitic (fine crystalline magmatic rock)
APR	aphyric
BA	banded
BED	bedded
BLD	bleached
BOX	boxwork
BX	brecciated
CEM	cemented
CG	coarse-grained
CMT	cemented
CON	conchoidal
CX	cryptocrystalline
EQ	equigranular
FB	flow banded
FD	folded
FG	fine-grained
FMG	Fine to medium grained
FLT	fault
FO	foliated
FOB	foliation parallel bedding
FRG	fragmental
GLY	glassy
GRP	granophyric (intergrowth of quartz and alkali feldspar)
HBX	hydrothermal brecciated
IND	indurated
LAM	laminated
LEA	leached
MAG	magnetic
MAS	massive
MEG	megacrystic
MG	medium grained
MIG	migmatitic
MX	microcrystalline
NOD	nodular
PIS	pisolitic
POB	porphyroblastic (large crystal of metamorphic origin)
POR	porphyritic
PORS	porous
PS	pseudomorph
RX	recrystallised
SAC	saccharoidal
SHR	shear fabrics
SHS	schistose
SIL	siliceous
SOF	soft
SPH	spherulitic

SPT	spotted
SPX	spinifex
STM	stromatilitic
TBD	thick bedded
UND	undifferentiated
VCC	volcaniclastic texture
VCG	Very coarse grained
VE	vesicular
VFF	very fine to fine grained
VFG	Very fine grained
VFCG	Very fine to coarse grained
VI	vitric
VN	veined
VU	vuggy
XEN	xenolithic

Structure Type

BED	bedding
BOU	boudinaged
BR	broken
BX	brecciated
CAT	cataclastic
CLV	cleaved
CR	crenulated
CRS	crushed
DEF	deformed
FD	folded
FLT	faulted
FOM	moderately foliated
FOS	strongly foliated
FOW	weakly foliated
FR	fractured
HVN	hairline veins
JO	jointed
LAM	Laminated
LI	lineated
MAS	massive
MY	mylonitic
SH	sheared
SHS	schistose
SL	slickensided
STK	Stockwork veined
STY	stylolitised
SZ	shear zone
TEN	tension gashes

VN	Vein
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Vein Type

AP	aplite veins
BI	biotite
CA	calcite vein fill
CABX	calcite breccia

CB	carbonate
CH	chlorite
CP	chalcopyrite
CS	calcsilicate
EP	epidote
FLD	feldspar
GA	galena
GOE	goethite
PEG	pegmatite veins
QBI	quartz-biotite
QBX	quartz breccia
QCA	quartz-calcite
QCS	quartz-calcsilicate
QH	Quartz-hematite
QKF	quartz-kfeldspar
QPY	quartz-pyrite
QSE	quartz-sericite
QTZ	quartz
SER	sericite vein
SID	siderite
STW	stockwork
SU	sulphide

Vein Style

BF	brittle fracture
BX	breccia
CX	crackle breccia
EX	extensional
FL	along foliations
LM	laminated
MA	massive
PG	ptygmatic
SG	sugary
ST	stringers
SW	stockwork
VL	veinlets

Alteration Type

AB	albitic
ALU	alunitic
AR	argillic
CAL	calcite
CHL	chloritic
CRB	carbonate
CY	clay
EP	epidotised
GNT	garnet
HEM	hematitic
KAO	kaolinitic
KFS	Potassium feldspar
LIM	limonitic
MGT	magnetite

MIC	mica
POT	potassic
PR	propylitic
PY	pyritic
RR	red rock
SER	sericitic
SIL	silicified
SID	siderite
SK	skarn
SRP	serpentinised
TM	tremolitic
UA	unaltered
UD	undefined
ZEO	zeolitic

Alteration Intensity

UA	unaltered
W or 1	weak
M or 2	moderate
S or 3	strong
P or 4	pervasive

Mineralisation

ANT	antimony
ASO	oxidised arsenopyrite
ASP	arsenopyrite
AU	gold
AZ	azurite
BN	bornite
BRT	barite
CAS	cassiterite
CC	chalcocite
CHR	chromite
CIN	cinnabar
COP	copper (native)
CPY	chalcopyrite
CST	cerussite (Lead Carbonate)
CUO	oxidised Cu minerals
CUP	cuprite
CV	covellite (Copper Sulfide)
DG	digenite (Copper Sulfide)
FEO	iron oxide
GAL	galena
HEM	hematite
MAG	magnetite
MAL	malachite
MCS	marcasite
MGH	maghemite
MGS	magnesite
MLL	millerite (Nickel Sulfide)
MNO	manganese oxides

MOL	molybdenite
OPQ	opaque mineral
PBO	oxidised lead minerals
PIT	pitchblende
PN	pentlandite
PO	pyrrhotite
PY	pyrite
PYO	oxidised pyrite
RT	rutile
SCH	scheelite (Calcium Tungsten Oxide)
SPC	specularite (hematite)
SPH	sphalerite
STB	stibnite (Antimony Sulfide)
SUL	sulphide
TEL	tellurides
TNR	tenorite
TNT	tennantite (Copper Arsenic Sulfide)
TOR	tourmaline
TRE	tremolite
TTH	tetrahedrite (Copper Antimony Sulfide)
TTL	tantalite (Iron Manganese Tantalum Niobium Oxide)
USC	uranium secondaries
VIO	violarite
WFM	wolframite (Iron Manganese Tungsten Oxide)
ZNO	oxidised Zn minerals
ZRN	zircon

Mineralisation Style

BB	blebs, phenocrysts
BED	along bedding planes
BX	breccia
DIS	disseminated
FL	on foliations
FR	fracture
MAS	massive
MTX	mineralisation as matrix replacement or infill
PER	Pervasive
SEC	secondary
SH	in shears
ST	stringers
SW	stockwork
VN	associated with veins

Mineralisation Intensity

VW or TR	very weak
W or 1	weak
M or 2	moderate
S or 3	strong
VS or 4	very strong

Sample Wetness

D	dry
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M	moist
S	sticky
W	wet
L	liquid

Sample Hardness

1	soft
2	moderately soft to slightly hard
3	moderately hard
4	hard