Kidman Resources Standard Codes

Felsic Rocks

F	Felsic rock undifferentiated
Fg	Granitic rock undifferentiated,
Fgp	Pegmatite
Fgt	Tonalite
Fga	Aplite
Fgd	Granodiorite
Fgm	Monzonite
Fgs	Syenite
Fv	Felsic volcanic
Fvr	Rhyolite
Fvt	Trachyte
Fvd	Dacite
FZc	felsic Volcaniclastic
FZa	Agglomerate
FZi	Ignibrite
FZt	Felsic Tuff
FXsc	Felsic Schist
FXgn	Felsic Gneiss
FX(min1min2)	
Fpo	Felsic Porphyry

Intermediate Rocks

I	Intermediate undifferentiated
Id	Diorite
Iv	Intermediate volcanic
Iva	Andesite
IXsc	Felsic Schist
IXgn	Felsic Gneiss
IX(min1min2)	Altered Intermdeiate rock
Ixt	Intermediate tuff
Ipo	Intermediate Porphyry

Mafic Rocks

M	Mafic rock undifferentiated
Md	Dolerite
Mg	Gabbro
Mn	Norite
Ma	Anorthosite
Mv	Mafic volcanic
Mvb	Basalt
Mvm	High Magnesium Basalt
MZc	Mafic Volcaniclastic
Mzt	Mafic tuff
MXsc	Mafic Schist
MXgn	Mafic Gneiss
MX(min1min2)	Altered Mafic Rock
MXam	Amphibolite

Ultramafic Rocks

U	Ultramafic undiff
Ud	Dunite
Up	Peridotite
Ux	Pyroxenite
Us	Serpentinite undiff
Usd	Serpentinised Dunite
Usp	Serpentinised Peridotite
Usx	Serpentinised Pyroxinite
Uv	Ultramafic volcanic
Uvk	Komatiite
UXsc	Ultramafic Schist
UXgn	Mafic Gneiss
UX(min1min2)	

Sedimentary Rocks

S	Sediment undifferntiated
Sbx	Sedimentary breccia
Sco	Coal
Slg	Lignite
Spo	Phosphorite
Sms	Mudstone
Slt	Siltstone
Ssh	Shale
Sst	Sandstone
Scg	Conglomerate
Sct	Chert
Sif	Iron formation
Sls	Limestone
Sdo	Dolomite
Scb	Carbonate rock undifferentiated
Sti	Tillite
Sgw	Greywacke
Sqt	Quartzite
SXsc	Sedimentry Schist
SXgn	Sedimentry Gneiss
SX(min1min2)	

Surfical Rocks

Osl	Soil
Osd	Sand
Ocy	Clay
Ogo	Gossan
Ofc	Ferricrete
Olt	Laterite
Ogv	Gravel
Occ	Calcrete
Osi	Silcrete
Oal	Alluvium
Ocl	Colluvium
Oel	Eluvium
Olc	Lacustrine Clays
Ocr	Scree

Tectonic / Other rocks

X	Altered, Unknown Precurser
Xmin1min2	
Xbx	Breccia
Xmy	Mylonite
Xgn	Gneiss
Xsc	Schist
Xsz	Shear Zone
Xvc	Volcaniclastic
Xms	Massive Sulphide

Veining

V	Undifferntiated
Vmin1min2min3	Vein (min1, min2, min3)

Alkaline Rocks

Ac	Carbonatite
Ak	Kimberlite
Al	Lamprophyre

Skarns

Xsk	Skarn undifferentiated
Xskmin1min2	Skarn (min1)(min2)(min3)

Misc.

nsb	Not rock – backfilled stope
nsc	Not rock – contamination
nsh	Not rock – hole
nsr	Not rock – no sample return
nss	Not rock – stope
nsl	Interval not logged
nsd	no data available

Kidman Resources Standard Codes

ALTERATION

Generic Type

AS	aluminosilcate
BLE	bleached, bleaching
ARG	clay/argillic alteration
CS	calc-silicate
K	potassic (kf-bi)
NA	sodic
NC	sodic-calcic
PHY	phyllic (mi-si-py)
PR	porpylitic (ch-ep-cb)
SLF	sulphidisation
X	Unknown but altered

min1min2min3

Zone

P	Proximal
I	Intermediate
D	Distal

Styles

bed	Bedded
box	Boxworking
brx	breccia matrix
dis	Disseminated
fra	Fracture Coat
gos	Gossan
jnt	Joint Coating
sma	Massive - Semi (15-70% vol)
mas	Massive (>70% volume)
pat	Patch
per	Pervasive
sel	Selvage
stk	Stockwork
str	Stringer
vnd	Veined
vug	Vuggy

VEIN FORMS

bnd	banded
brx	breccia
col	colloformed
con	vein on lith contact
crs	cross-cutting
crt	crustiform
grw	growth
jnt	on joints
mas	massive
par	parallel sub-parallel
rib	ribbon
sac	saccharoidal
sht	sheeted
skw	stockworked
str	stringers
sty	styolitic
vlc	Vein contact
vlt	Veinlet
vug	vuggy
znd	zoned

GRAIN SIZE

(qualifier)(gsize)(gsize)

bd	bouldery (>256mm)
co	cobbly (16-256mm)
pb	pebbly (2-16mm)
vc	very coarse grained (1-2mm)
cg	coarse grained (0.5-1.0mm)
mg	medium grained (0.25-0.5mm)
fg	fine grained (0.06-0.25mm)
vf	<0.004mm (mudstone)

Qualifiers

FU	Fining Up
FD	Fining Down
HO	Homogeneous
HE	Heterogeneous

COLOUR

(Colour)Colour)

L	Light
D	Dark

bk	black
bn	brown
bu	blue
cm	cream
gn	green
gy	grey
or	orange
pi	pink
pu	purple
rd	red
wh	white
ye	yellow

INTENSITY

I	intense (>50%)
H	strong (30-50%)
M	moderate (5-30%)
W	weak (1-5%)
T	trace
V	variable

COMPONENT PERCENT

0.1	Trace
0.5	Minor
1-10	1% increments
1-99	5 % increments

WEATHERING

(Weathering)(Qualifer)

ew	extremely weathered
hw	highly weathered
mw	moderatley weathered
ww	weakly weathered
fx	fracture oxidation
fr	fresh
wu	weathered unknown

REGOLITH

(Regolith)(Qualifer)

Ruk	Unknown but weathered
Rso	Residual Soils
Rlt	laterite
Rcy	clay zone (plasmic zone)
Rsp	saprolite (undiff)
Rsu	upper saprolite
Rsl	lower saprolite
Rsr	sapprock
Fr	fresh rock

Overprint / Qualifers

bl	bleached
cc	calcreted
cb	carbonate
fc	ferricreted
fe	ferruginous
go	geothitic
gp	gypsiferous
he	haematitic
ka	kaolinitic
le	leached
mg	magnesite rich
mn	manganiferous
mo	mottled
no	nontronitic
sc	silcreted
si	silicified

ORIENTATION CONFIDENCE

H	reliable ori line
L	unreliable ori line
B	oriented by bedding
P	projected ori line
U	unknown reliability
F	no ori line possible

ORIENTATION TYPE

Spear	Spear Tool
Corestub	Core stub Template Tool
Ballmark	Ballmark Tool
ACT	ACT Digital Tool

Kidman Resources Standard Codes

TEXTURE

acc	accretionary
aci	acicular
adc	adcumulate
agg	agglomeratic
alg	algal
amo	amorphus
amy	amygdaloidal
ana	anastomosing
ang	angular
anh	anhedral
aph	aphanitic
apc	aphyric
apl	aplitic
asb	asbestiform
bnd	banded
bed	bedded
btb	bioturbated
bld	bladed
ble	bleached
blk	blocky
bou	boulder
buc	bucky
cem	cemented/concreted
cla	clastic
col	colloformed
cgl	conglomeritic
xbd	crosbedded
xlm	cross laminations
crs	cross-cutting
crt	crustiform
cry	crystalline
cum	cumalite
cyc	cyclic
dec	decussate
dsr	disrupted
dol	doleritic
ear	earthy
equ	equigranular
fib	fibrous
fdf	fining downward bedding
fub	fining upward bedding
fis	fissile
flg	flaggy
fln	flinty
flb	flow banded
flu	fluidised
for	foraminiferal
fos	fossiliferous
frg	fragmental
fri	friable
gls	glassy
gpo	glomeromorphic
gns	gneissic
gos	gossanous
gdb	graded-bedded
gra	granitic
grb	granoblastic
grp	granophyric
grn	granular
grv	gravelly
grs	greasy
hxt	holocrystalline
hpm	hypidiomorphic
hyx	hypocrystalline
idi	idiomorphic
ign	ignimbritic
imb	imbricate
ind	indurated
inq	inequigranular
ibd	interbedded
jsw	Jig Saw
kst	karst
kno	knotty
lam	laminated
lap	lapilli
lat	lateritic
lay	layered
lns	lensoidal
len	lenticular
lpd	lepidoblastic
lit	lithic
mam	mamillary
mas	massive
mxs	matrix supported
mbd	medium bedded
mgc	megacrystic
mct	mesocumulate
mia	miarolitic
mcr	micritic
mxl	microcrystalline
mig	migmatic
mso	moderately sorted
mon	monomict
mos	mosaic
mot	mottled
mud	muddy
mph	multiphase
nod	nodular
jnt	on joints
ool	oolitic
opl	opaline
oph	ophitic
org	organic
oct	orthocumulate
pbd	parallel bedded
peb	pebbly
peg	pegmatitic
ptc	perthitic
pha	phaneritic
phr	phreatic
phy	phyric
pil	pillowed
pis	pisolitic
pit	pitted
pla	plastic
poi	poikiloblatic
pct	polymictic
pol	poorly sorted
prc	porcelaneous
prs	porous
por	porphyritic
pob	porphyroblatic
pum	pumiceous
pug	puggy
pyr	pyritic
qch	quenched
rad	radiate
rdo	radiolarian
rcm	recemented
rcx	recrytallised
ref	reefal
rel	relict
ren	reniform
rib	ribbon
rip	rippled
rnd	rounded
sac	saccharoidal
san	sandy
sch	schistose
sco	scoriacious
slt	silty
sla	slaty
sor	sorted
stg	sorting good
stm	sorting moderate
stp	sorting poor
spu	speherulitic
spx	spinifex
spo	spongy
spt	spotty
skw	stockworked
str	stratiform
stt	striated
sty	styolitic
sag	sub-angular
shd	subhedral
srd	sub-rounded
sug	sugary
txb	tabular cross bedding
txl	tabular cross laminations
ttd	thickly bedded
tbd	thinnly bedded
tra	trachytic
uxb	trough cross bedding
uxl	trough cross laminations
tuf	tuffaceous
tur	turbiditic
uns	unsorted
vlc	vein on lithologic contact
vll	very finely laminated
vkb	very thickly bedded
vtb	very thinly bedded
vtl	very thinly laminated
ves	vesicular
vit	vitreous
vtp	vitrophyric
voi	voided
vol	volcanic
vcc	volcanogenic
vug	vuggy
wld	welded
xen	xenoblastic

STRUCTURE

aug	augen textured
bou	boudinaged
bxx	brecciated
cbx	crackle brecciated
clv	cleaved
crn	crenulated
ctt	contorted
cta	cataclastic
fau	faulted
fld	folded
fol	foliated
frc	fracture
jnt	jointed
lin	lineated
mas	massive
myl	mylonitic
phy	phyllitic
ptg	ptygmatic
sch	schistose
scl	schlieren
shd	sheared
sls	slickensided
rod	rodded
vnd	Veined

INTENSITY

I	intense (>50%)
H	strong (30-50%)
M	moderate (5-30%)
W	weak (1-5%)
T	trace
V	variable

MINERALS

act	actinolite
adu	adularia
alb	albite
all	allanite
alp	allophane
alm	almandine
alu	alunite
amp	amphibole
and	andalusite
any	anhydrite
ank	ankerite
ant	anthophyllite
ang	antigorite
apt	apatite
ara	aragonite
apy	arsenpyrite
asb	asbestos
gld	auridium, gold
azu	azurite
bar	barite
bio	biotite
bis	bismuthinite
bor	bornite
cal	calcite
clc	calcereous
cbn	carbon (carbonaceous)
crb	carbonate
cas	cassiterite
cer	cerussite
cha	chalcedony
cct	chalcocite
cpy	chalcopyrite
csl	cherty silica
chl	chlorite
chr	chromite
cly	clay
cpx	clinopyroxene
cu2	copper, native
crd	cordierite
cov	covellite
cry	cuprite
cum	cummingtonite
dps	diopside
dol	dolomite
epd	epidote
fpr	feldspar
fer	ferric iron oxides
flt	fluorite
for	forsterite
fuc	fuchsite
gln	galena
gnt	garnet
gar	garnierite
goe	geothite
gib	gibbsite
grp	graphite
gru	grunerite
gyp	gypsum
hal	halite
hem	hematite
hbd	hornblende
ilm	ilmenite
jar	jarosite
jsp	jaspolite
kln	kaolin
kfp	k-feldspar
kyn	kyanite
lcx	leucoxene
lep	lepidolite
lim	limonite
lic	limonite after carbonate
lis	limonite after sulphide
lip	limonite after pyrite
liz	lizardite
mgs	magnesite
mgh	maghemite
mnt	magnetite
mal	malachite
mng	manganese oxides
mar	marcasite
mic	mica
mcl	microcline
mol	molybdenite
mnz	monazite
mus	muscovite
ni2	secondary nickel minerals
non	nontronite
olv	olivine
ops	opaline silica
otc	orthoclase
opx	orthopyroxene
pb2	secondary lead minerals
pen	pentlandite
phl	phlogopite
plg	plagioclase
plt	platinum
pre	prehnite
pyr	pyrite
pyl	pyrolusite
pyx	pyroxene
pyo	pyrrhotite
qtz	quartz
rut	rutile
sch	scheelite
ser	sericite
srp	serpentine
sid	siderite
sil	silica
slm	siliminite
sme	smectite, montmorillonite
smt	smithsonite
spl	sphalerite
sph	sphene
spd	spodumene
sta	staurolite
stb	stibnite
slf	sulphides
tlc	talc
tel	telurides
tth	tetrahedrite
ten	tennantite
top	topaz
tml	tourmaline
trm	tremolite
vio	violarite
wlf	wolframite
wol	wollastonite
zn2	secondary zinc minerals

Kidman Resources Standard Codes

GENERAL

PROJECT

CALF	Blind Calf
WILM	Wilmatha Hill
HALE	Hale River
JUMB	Jumble Plains
YETH	Yethera
WHIN	Whinfell
BELM	Belmore

SITE TYPES

Drilling / Trenching

AC	Air Core
AG	Auger
BH	Blast Hole
DD	Diamond Drill Hole
GRC	RC Grade Control
RAB	Rotary Air Blast
RC	Reverse Circulation
VAC	Vacumm
TR	Trench Sample
UNK	Unknown

Surface Sampling

AU	Auger
BL	Bleg
CC	Channel Cut Sample
DP	Dump Sample
FL	Float Sample
MM	Mobile Metal Ions Soil Samples
PT	Point Location
RK	Rockchip sample
SH	Shaft
SL	Soil Sample
SS	Stream Sediment

GRID NAMES

GDA94_55S	GDA 1994, Zn55 S
Mag	Magnetic

PROSPECT

COMPANY

KDR	Kidman Resources
Unknown	Unknown

COLLAR SURVEY METHOD

CT	Compass and Tape
DG	Differential GPS
GP	GPS Located
LG	Local Grid
RP	Relative position
SU	Surveyed but unknown type
TH	Theodilite
TO	Total Station
UK	Unknown

DOWNHOLE SURVEY METHOD

CO	Measured From Rig Set Up
GY	Down Hole GYRO
SS	Single Shot
MS	Multi Shot
UK	Unknown but surveyed
MX	Maxi-bore tool
FX	Flexit Tool

DRILL TYPE

AC	Air Core - unspecified
AC100	Air Core - 100mm
AC85	Air Core - 85mm
AUG	Auger
BQ	Diamond core - 36.5mm
BQ3	Diamond core - 33.5mm
DD	Diamond core - unspecified
HQ	Diamond core - 63.5mm
HQ2	Diamond core - 62.5mm
HQ3	Diamond core - 61.1mm
NQ	Diamond core NQ
NQ2	Diamond core - 47.6mm
NQ3	Diamond core - 45.0mm
OH	Open Hole Percussion
PQ2	Diamond core - 85mm
PQ3	Diamond core - 83.1mm
RAB	Rotary Air Blast
RC	RC - Unspecified
RC4_25	Reverse circulation 4.25"
RC4_5	Reverse circulation 4.5"
RC5	Reverse circulation 5"
RC5_25	Reverse circulation 5.25"
RC5_5	Reverse circulation 5.5"
RC6	Reverse circulation 6"
RC6_25	Reverse circulation 6.25"
RC6_5	Reverse circulation 6.5"
Unknown	Unknown

SHIFT

D	Day
A	Afternoon
N	Night

SAMPLING

SAMPLE TYPE

Orig	Original sample
Chck	Check Sample
Dupl	Duplicate Sample
NS	Not Sampled
NA	Not Submitted but sample taken
ND	No data available

RECOVERY

0-100	estimated recovery in 10% increments

FIELD PREPERATION

DD_Full	Diamond Drilling - Full core sample
DD_Half	Diamond Drilling - Half core sample
DD_Quarter	Diamond Drilling - Quarter core sample
DD_Sliver	Diamond Drilling - Sliver sample
DD_Unkn	Diamond Drilling - Unspecified
RC_Unkn	RC drilling - Unspecified
AC_Unkn	Aircore - Unspecified
RAB_Unkn	RAB - Unspecified
2Tier	2 Tier Riffle Sample
3Tier	3 Tier Riffle Sample
4Tier	4 Tier Riffle Sample
5Tier	5 Tier Riffle Sample
AUG-80mesh	Auger (-80mesh)
Total	All material recovered
Spear	Spear sample
Grab	Grab sample
Channel	Channel sample
Rockchip	Rockchip sample
Soil	Soil sample - Unspecified mesh size
SS-80mesh	Stream (-80mesh)
Standard	QAQC Standard
Unknown	Unknown sampling method

WATER

d	dry
m	moist
w	wet
i	injected

SAMPLE QUALITY

lc	low contamination
hc	high contamination
nr	no recovery
nc	no contamination

STANDARD ID

Blank	QAQC Blank sample
Unknown	Unknown
TBA	To be advised

Kidman Resources Standard Codes

Discontinuity Codes

Origin

Ind	drilling induced
Nat	predrilling fracture
Par	fracture partially across core
trc	trace of feature
Unk	Uncertain if drilling induced

Form

P	Planar
S	Stepped
U	Undulating

Texture

Ro	rough
Sl	slickensided
Sm	smooth

Discontinuity Type

B	Bedding
C	Contact
F	Fault
H	Shear
J	Joint
L	Cleavage
S	Schistocity
V	Vein
X	Foliation
R	Fracture

Faults /Fractures

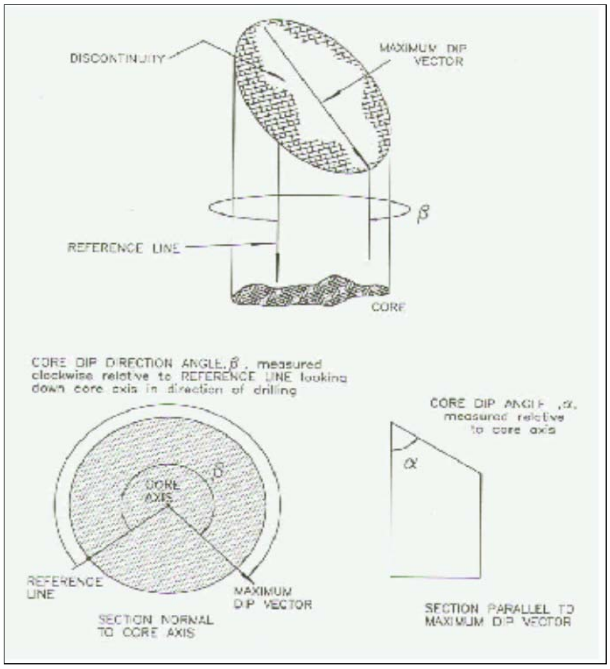
F	Unspecified
Fj	Joint
Fr	Fracture
Ft	Fault

Veining

V	Vein
Vbu	Bucky Vein
Vbx	Breccia Vein
Vca	Cockade Vein
Vcf	Colloform Vein
Vcs	Crackseal Vein
Vfb	Fibrous Vein
Vlm	Laminated Vein
Vsw	Stockwork Vein

Lineations

L	Unspecified
Lb	Boudin
Lc	Crenulation
Lf	Fold Axis - unspecified
Lfa	Fold Axis - Antiform
Lfs	Fold Axis - Synform
Li	Intersection
Lm	Mineral Lineation
Lr	Rod
Ls	Slickenside
Lt	Stretching
Lu	Mullion



Structural Logging Codes

S	Foliation Unspecified
S	Unspecified
S0	Bedding
S0	Contact
S1	Axial plane 1st deformation
S1	Foliation 1st deformation
S2	Axial plane 2st deformation
S2	Foliation 2st deformation
S3	Axial plane 3st deformation
S3	Foliation 3st deformation
S4	Axial plane 4st deformation
S4	Foliation 4st deformation
Sa	Axial plane unspecified
Sb	Banding
Sc	Crenulation
Sd	Deformation
Sf	Flow
Sp	Pillow

Foliation

Fol	Foliation Unspecified
Axp	Axial Plane
Bed	Bedding
Ctt	Contact
Sb	Banding
Sc	Crenulation
Sd	Deformation
Sf	Flow
Sp	Pillow
Sv	Cleavage - Unspecified
Svp	Cleavage - Spaced
Svs	Slaty Cleavage
Sz	Shear

Faults /Fractures

F	Unspecified
Fj	Joint
Fr	Fracture
Ft	Fault