

Weathering

Code	Description
EW	Complete pervasive oxidation (no reduced iron present). Destruction of primary textures
HW	Complete pervasive oxidation (no reduced iron present). Some remnant primary textures
MW	Partial oxidation of moderate-high pervasiveness. Primary textures evident
SW	Partial oxidation of low pervasiveness. Primary textures throughout
FR	Complete absence of oxidation or supergene related processes
FRJ	Fresh rock mass with evidence of oxidation on defect surfaces only

Colour

Three digit code comprising **prefix/Shade, hue and colour**

Prefix/Shade

Code	Description
L	Light
M	Medium
D	Dark
T	Mottled
B	Banded

Hue

Code	Description
K	Blackish
E	Blueish
B	Brownish
C	Creamish
G	Greenish
Y	Greyish
O	Orangeish
P	Pinkish
U	Purpleish
R	Redish
W	Whiteish
L	Yellowish

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Examples: *Mottled bluish green* *TEG*
 Light brown *LBB*

Medium bluish grey *MEY*
 Banded red and black *BRK*

Code	Adjective	Code	Adjective	Code	Adjective	Code	Adjective
AB	abundant (30-60%)	FS	feldspathic	MR	marly	TG	strongly
AC	acidic	FT	fault gauge	MS	mudstone	TH	thin
AK	arkosic	FU	fusainous	MU	near middle of unit	TI	tillitic
AL	altered			MX	matrix	TK	thick
AM	sub arenitic	GC	glauconitic	ND	nodules	TL	translucent
AR	arenitic	GG	granules			TN	tonsteinous
AS	as	GN	grains	OF	of	TO	throughout
AT	alternating	GP	graphitic	ON	on	TR	traces
		GV	gravelly	OO	cobbles	TT	tends to
BC	basic			OP	opaque	TU	near top of unit
BE	bentonitic	HA	heat affected	OX	oxidised	TY	slightly
BL	blebs	HI	highly				
BN	bands	HR	hard	PA	partings	VE	very
BR	bright	HY	shelly	PB	pebbles	VI	vitrainous
BS	basaltic			PE	peaty	VO	volcanic
BU	near base of unit	IA	increasing in abundance	PH	phases		
				PN	penny bands (<2mm)	WI	with
CA	calcareous	IB	interbanded	PO	pods	WP	wisps
CB	carbonate	ID	iron stained	PP	phosphatic		
CC	concoidal	IL	illitic	PR	partially	XC	coarser
		IM	intermediate				
				PT	pellets	XU	near top and base of unit
CG	conglomeratic	IN	intrusive	PY	pyritic	XX	carbonaceous
CI	concretions	IP	in part				
CL	clayey	IR	irregular				
CM	common (15-30%)			QZ	quartzose		
CO	coaly	KA	kaolinitic				
CR	chloritic			RA	rare (<1%)		
CS	claystone	LA	lateritic	RS	resinous		
CT	clasts	LC	clear				
CX	coal stringers	LI	limonitic	SA	sandy		
		LM	laminae (2-20mm)	SC	siliceous		
DA	decreasing in abundance			SD	sideritic		
DD	dull	LN	lenses	SF	silicified		
DE	detrital	LO	loamy	SG	stringers		
DM	dolomitic	LR	large	SH	shaly		
DO	dominant (>60%)	LT	lithic	SI	silty		
DS	disseminated	LU	lustrous	SM	smectitic		
		LY	layers	SO	soft		
ET	and	MD	muddy	SS	sandstone		
		MG	manganiferous	ST	siltstone		
FE	ferruginous	MI	micaceous	SX	sooty		
FF	finer	MM	metamorphosed	SY	stony		
FO	fossiliferous	MN	minor (1-15%)				
FR	fragments	MO	moderately	TF	tuffaceous		

Plutonic Description	Lith Code
acid rock undifferentiated	Pau
adamellite	Pad
alaskite	Pal
andesite	Pan
anorthosite	Pao
aplite	Pap
basic rock undifferentiated	Pbu
carbonatite	Pcb
clinopyroxenite	Pcp
dacite	Pdc
diorite	Pdr
Plutonic - dolerite	Pdl
dunite	Pdn
felsic rock undifferentiated	Pfu
felsite	Pft
gabbro	Pgb
granite (sensu stricto)	Pgt
granitic rock undifferentiated,granitoid	Pgu
granodiorite	Pgd
granophyre	Pgp
harzburgite	Phz
hornblendite	Phb
Igneous rock undifferentiated	Puu
intermediate rock unclassified	Piu
kimberlite	Pkb
lamprophyre	Plm
latite	Plt
leucogranite	Plg
mafic rock undifferentiated	Pmu
monzonite	Pmz
norite	Pnr
orthopyroxenite	Pop

Volcanic Description	Code
acid volcanic	Vva
agglomerate, volcanic	Vag
andesitic volcanic	Van

Plutonic Description	Lith Code
pegmatite	Ppg
peridotite	Ppr
phonolite	Pph
porphyry	Ppp
pyroxenite	Ppy
quartz diorite	Pqd
quartz gabbro	Pqg
quartz latite	Pql
quartz monzonite	Pqm
rhyodacite	Prd
rhyolite	Pry
serpentine	Psp
syenite	Psy
tonalite	Pto
trachyandesite	Pta
trachyte	Ptr
trondhemite	Ptj
ultrabasic general	Pub
ultramafic general	Pum

Metamorphic Description	Code
amphibolite	Mam
Biotite schist	Mbs
calc-silicate	Mcs

basalt	Vbs
basic volcanic	Vvb
dacitic volcanic	Vdc
felsic volcanic	Vvf
felsitic volcanic	Vft
high magnesium basalt	Vhm
hyaloclastite	Vhc
ignimbrite	Vig
intermediate volcanic	Vvi
keratophyre (volcanic)	Vkt
komatiite	Vkm
lahar	Vlh
mafic volcanic	Vvm
obsidian	Vob
peperite	Vpp
pyroclastic	Vpc
rhyodacitic volcanic	Vrd
rhyolitic volcanic	Vry
spilite (volcanic)	Vsp
tholeiitic volcanic	Vth
trachyandesitic volcanic	Vta
trachybasaltic volcanic	Vtb
trachytic volcanic	Vtc
ultrabasic volcanic	Vub
ultramafic volcanic	Vum
volcanic undifferentiated	Vvu
volcaniclastic	Vvc

Miscellaneous Description	Code
breccia	Rbx
Calcareous breccia	Rbc
carbonate rock undifferentiated	Rcb
carbonate vein	Rvc
cataclasite	Rcc
fault breccia	Rfb
fault rock or fault zone undifferentiated	Rfz

charnockitic	Mch
Chlorite schist	Mch
endoskarn	Mes
exoskarn	Mxs
felsic gneiss	Mgf
felsic-schist	Mfs
Garnet schist	Mgs
gneiss	Mgn
granulite	Mgr
hornfels	Mhf
mafic gneiss	Mgm
mafic schist	Mms
Marble	Mmb
metamorphic undifferentiated	Mmu
metasediment general	Msu
metavolcanic general	Mvu
migmatite	Mmi
Muscovite schist	Mms
orthoamphibolite	Moa
orthogneiss	Mog
para-amphibolite	Mpa
paragneiss	Mpg
phyllite	Mph
Psammite	Mps
Quartzite	Mqz
schist undifferentiated	Msc
skarn	MsK
slate	Mst
Tourmaline schist	Mts

Tuff Description	Code
acid tuff	Tac
andesitic tuff	Tan
basic tuff	Ttb
crystal lithic tuff	Txl
crystal tuff	Txx
crystal vitric tuff	Txv
dacitic tuff	Tdc

Gilded rose breccia	Rbg
gouge	Rgx
greisen	Rgs
laterite(in situ)	Rlt
lower saprolite	Rls
massive any mineral	Rms
mylonite	Rmy
not rock-backfilled stope	Rbn
not rock-cavity	Rnv
not rock-contamination	Rnc
not rock-hole	Rnh
not rock-no sample return	Rns
not rock-wood	Rnw
phyllonite	Rph
quartz vein	Rvq
rock general or rock type	Rku
rock not logged	Rln
saprock	Rsr
saprolite	Rsp
shear zone or sheared rock undifferentiated	Rsz
Sulfide vein	Rvs
tectonic	Rtt
Tuff	Rtu
unidentified rock	Ruu
upper saprolite	Rus
vein general	Rvu

Sedimentary Description	Code
arenite	Sar
argillite	Sag
arkose	Sak
boundstone (carbonate)	Sbo
calcarenite	Sca
calcilutite	Scl
calcirudite	Scr
carbonaceous shale	Ssc
chert	Sct
claystone	Scy
coal	Sco

felsic tuff	Ttf
intermediate tuff	Tti
lithic crystal tuff	Tlx
lithic tuff	Tll
lithic vitric tuff	Tlv
mafic tuff	Ttm
rhyolitic tuff	Try
trachyandesitic tuff	Tta
trachytic tuff	Ttc
tuff general	Tuf
ultrabasic tuff	Tub
ultramafic tuff	Turn
vitric lithic tuff	Tvl
vitric crystal tuff	Tvx
vitric tuff	Tvv

Sedimentary Description	Code
phosphorite	Sph
quartzite	Sqt
rudite	Srd
rudstone (carbonate)	Srs
sandstone	Ssn
sediment general	Sdu
sedimentary breccia	Sbx
shale	Ssh
siltstone	Ssl
subarkose	Ssa
subgreywacke	Ssq

conglomerate	Scg
diamictite	Sdm
diatomite	Sdi
dolomite	Sdo
exhalite	Sex
grainstone (carbonate)	Sgs
greywacke	Sgw
grit	Sgr
iron formation carbonate facies	Sic
iron formation general	Sif
iron formation oxide facies	Sio
iron formation silicate facies	Sil
iron formation sulphide facies	Sis
jaspilite, jasper	Sjs
limestone	Slm
magnesite (sedimentary)	Smg
marl	Sml
micrite	Smc
mudstone	Smd
orthoquartzite	Sqo
packstone (carbonate)	Spa
pelite	Spe

Regolith/Overburden Description	Code
A-horizon soil	Osa
Alluvium	Oal
Bauxite	Obt
B-horizon soil	Osb
calcrete	Occ
caprock	Ocp
C-horizon soil	Osc
clay	Ocy
colluvium	Ocl
duricrust general	Odu
eluvium	Oel
ferricrete	Ofc
Gossan	Ogo
Gravel	Ogv
gypcrete	Ogy

tillite	Sti
turbitite	Stb
wacke	Swk

Regolith/Overburden Description	Code
silt, unconsolidated	Osl
soil general	Osu
travertine	Otr

Hardpan	Ohp
Humus	Ohm
ironstone	Ois
Lag	Olg
laterite	Olt
Lignite	Oln
Loam	Olo
magnesite rock (weathering related)	Omg
mud	Omd
overburden general	Oou
Plinthite	Opt
podsol	Ops
regolithic breccia	Obx
rubble	Orb
sand ,unconsolidated	Osn
saprolite	Osp
scree	Osk
silcrete	Ost