Geology Log Codes

Frontier Resources Ltd.

See Moss Hill Codes Tab for basic lithologies

Stratigraphic Codes	
Q	Quaternary Deposits
Tb	Tertiary Basalt
Ts	Tertiary sediments
Tg	Tertiary Gravels
Jdl	Jurassic Dolerite
Dg	Devonian granitoid
Se	Silurian Eldon Gp.
Sm	Silurian Mathinna beds, Sandstone/greywacke
Sx	Silurian Mathinna beds, Siltstone/shale
Ogl	Gordon Gp Lst
COu	Denison Gp. Upper Sandstone sequence inc. Pioneer Beds
Ooh	Ordovician black shale/sand siltstones. (pyritic)
Ocs	Denison Group, Ordovician Owen Conglomerate
Ocl	Ordovician/siliciclastic sandstone. Denison group
Ovx	Cambro-Ordovician rhyolitic volcaniclastic sandstone (Waterloo Creek Group).
Ovc	Cambro-Ordovician rhyolitic volcaniclastic sandstone/breccia.
Ct	Tyndall Gp. and correlates
Ctc	Tyndall Gp. Volcaniclastics and sandstone (Zig Zag Hill Fm.)
Ctd	Tyndall Gp. Comstock Fm
Ctl	Tyndall Gp. Lynchford Member
Ctb	Tyndall Gp. Basalt (Howards basalt)
Cpa	Feldspar pyroxene phyric andesite
Cas	Cambrian Andesitic Volcaniclastic
Cfl	Quartz-feldspar-(biotite) porphyritic lava
Cqfbl	Quartz-feldspar-biotite porphyritic lava
Cwe	Quartz crystal volcaniclastic sandstone, sericitic
Crib	Cambrian rhyolitic lava breccia
Cwb	Polymict volcaniclastic mass flow breccia. (V19 horizon)
Cvsh	Black, pyritic shale.
Cvc	Undifferentiated Central Volcanic Complex (CVC)
Ccv	Cambrian, rhyolitic pumice-qtz-crystal-lithic breccia
Ccl	CVC. Dominantly feldspar phyric coherent volcanics
Ccs	Cambrian, siliciastic, micaceous sandstone.
Cc	Cambrian volcaniclastic/siliciclastic conglomerate
Cb	Cambrian Bakuatic Lava
Cbv	Cambrian Bakuatic Volcaniclastic
Cp	Cambrian, Porphyritic Intrusive.
Clv	Cambrian Lewis River Volcanics
Cwe	Cambrian Western Epiclastics
Cg	Cambrian granite
Cgma	Cambrian microgranite

Rocktype	
	(Four letter Code, eg. VOLB = volcaniclastic dacitic lithic breccia)
Primary Rocktype Codes	
V	Volcaniclastic
I	Intrusive
L	Lava
E	Epiclastic
S	sediment
U	undifferentiated
Secondary Code	
R	Rhyolitic
D	Dacitic
A	Andesitic
B	Basaltic
U	Ultramafic
S	Siliciclastic
Cwmposition Code	
Q	Quartz phyric
F	Feldspar phyric
+	Quartz > feldspar phyric
-	Feldspar > quartz phyric
H	Hornblende phyric
P	Pyroxene phyric
L	Lithic rich
S	Siliciclastic rich
Texture Code	
A	Aphyric
F	Fine Grained (0.06 - 0.5mm)
M	Medium grained (0.5 - 2mm)
C	Coarse Grained (2mm - 64mm)
B	Breccia (>64mm)
P	Pumiceous
Other Codes	
QVns	Quartz veinlets
VEIN	Vein
Vn	Vein
QZVN	Quartz vein
GWAC	Greywacke
SILT	Siltstone (
SHAL	Black Shale
GRAN	Granite
GRAD	Granodiorite
LOSS	Core loss
CAVE	Cavity/Erique
SOIL	Soil
FALT	Fault
SANDSILT	sandstone/siltstone interbeds
QTZITE	Quartzite
SKRN	Skarn
CARB	Carbonate
SEDBREC	Sedimentary Brecciia
FLTBREC	Fault brecciia
VNSX	Vein sulphide
UNDIFF	Undifferentiated parent lithology
PEBSAND	Pebble sandstone - max dentist qtz grains 4-64mm
PEBCONG	Pebble conglomerate >50% 4-64mm clasts
GRANSAND	Granule sandstone - max dentist qtz grains 2-4mm
GRANCONG	Granule conglomerate >50% 2-4mm clasts
SCWAC	Quartz greywacke
QFPHY	Quartz feldspar porphyry
QPHY	Quartz porphyry
CALC	Calcareous
TRAV	Travertine
SERP	Serpentine
FILL	Rock fill and transported scree
MAFIC	Primary rock was mafic
SCREE	scree deposit
CARD	Undifferentiated sandstone
FSAND	Fine sandstone (0.06-0.25mm)
MSAND	Medium sandstone (0.25-0.5mm)
CSAND	Coarse sandstone (0.5-2mm

Alteration codes -Moina	
SILSERP	Silica-serpentinite alt
MSSX	Massive sulphide
SMSX	Semi-massive sulphide
ATRK	Altered rock
VATRK	Very altered rock
HORN	Hornfels
CLAY	Clay
CALS	Calc-silicate altered rock
SKRN	Skarn
SIU	Intensely silicified
SI	Silica alt
PSKRN	Pyroxene skarn
SXCN	Sulphide chlorite alt
QzBi	Quartz biotite alt
SxBi	Sulphide biotite alt
SISX	Silica sulphide alt
OXSI	Oxidised and silicified
SMPV	Semimassive pyrite
Bi	Biotite Alteration
GRSN	Greisen: qtz-tl-tml-mic-bi
DX	disseminated sulphides

Mineralisation codes- Moina	
SXVn	Sulphide vein
VG	Visible gold
SMSX	Semi massive sulphide
DISS	Disseminated
see other list for actual mineral codes	
PyVns	Pyrite veins
PyVn	Pyrite vein
OX	Oxidised
SerpVn	Serpentinous vein
PyFr	Py along fractures
Fluor	Fluorite
Greis	Greisenous
Rep	Replacement
	Retrograde
SemiP	Semi pervasive
Vnlets	Veinlets
Fr	Mineral along fractures
OP	Overprinting mineralisation
Retro	Retrograde mineralisation
Den	Dendritic
Structure Vein Codes	
ActVN	Actinolite Vein
BSULPVN	Base metal Sulphide vein
SULPVN	Sulphide vein (Py, PyyN)

Colours	
Primary Colour Codes	
Br	Brown
A	Grey
N	Black
Y	Yellow
R	Red
Gr	Green
W	White
O	Orange
Bl	Blue
P	Purple
C	Cream
Pk	Pink
Shade	
L	Pale
D	
M	
S	Dark

Weathering;		
T	Trace	Gossan
O	Occasional	Weathering only visible in a couple of hand lens areas
W	Weak	Weathering visible in a number of hand lens areas
M	Moderate	Fresh rock only visible in couple of hand lens areas
S	Strong	No fresh rock visible, but rock still intact
I	Intense	No fresh rock visible, parts of rock broken down to soft material
		Nearly all rock broken down to soft material or clay

Mineralisation/Alteration Codes	
Mineral Type	
Py	Pyrite
Aspy	Arsenopyrite
Chl	Chlorite
Ser	Sericite
Cb	Carbonate
Ga	Galena
Sp	Sphalerite
Ccpy	Chalcopyrite
Ep	Epidote
Cd	Cordierite
Gt	Garnet
Mu	Muscovite
Bi	Biotite
Ma	Magnetite
He	Hematite
Si	Silicification
Qz	Quartz
Po	Pyrrhotite
Au	Visible Au
Cassit	Cassiterite
Mo	Pyrolusite
Bism	Bismuthinite
Wolf	Wolframite
FMag	ferromagnesian minerals
Act	Actinolite
Alb	Albite
Fluch	Fluchsite
Fl	Flourite
Mineral style	
Den	Dendritic
P	Pervasive
D	Disseminated
Vn	Vein
Sp	Spots and clots
Eu	Euhedral crystals
Sv	Selvedge
sP	semi-pervasive
Bnd	Banding
Amount %	
0.1	Trace
0.1	Trace - <0.5%
0.5	0.5%
1	1%
5	5%
10	10%
20	20%
etc.	

Structure Code	
Face	Facing
Fl	Fault
Ds	shear
Vn	vein
Fo	Foliation
Fr	fracture
Jt	joint
Bd	bedding
Fold	Fold
cos	contact
lay	layering
bnd	banding
Ln	Lineation
CATA	Cataclasite
Sick	Slickensides
Po	Puggy seam
Cl	Cleavage

Texture Code	
Bk	broken
Ds	Sheared
Fo	Foliated
Se	Sporty
Hf	Hornfelsed
FB	Flow Banded
Br	Brecciated
Am	Amygdaloidal
Po	Porphyritic
A	Aphanitic
Fl	Fiamme
Sf	Spherulitic
Pa	Papertic
Pl	Pillowed
Ph	Phaneritic

Structure Codes for Structure Sheet 2005

ID	Code	Definition
1	ub	bedding
2	xX	cleavage, undefined generation
3	L	joints
4	F	faults
5	S	fold hinge (format is plunge dh plunge dright)
6	N	north
7	S	south
8	E	east
9	W	west
10	strla	strla
11	bnb	bnk band
12	b	bending
13	fol	foliation
14	slickenside	slickenside
15	sch	vein
16	frac	fracture

add fold, lineation