

ATTACHMENT #1ROCK UNITS

Sulphides (1 - 9) - must be accompanied by a grade estimate.

- 1 Massive Pyritic (80% + FeS)
- 2 Massive Pyrrhotitic (80% + FeS)
- 3 Massive Baritic (80% + S= + S04=)
- 4 Semi Massive Sulphides (30 - 80% FeS)
- 5 Massive Sulphides Buckshot Facies
- 6 Iron Sulphides and Interbanded Metabasite
- 7 Massive Low Pyrite Basemetal Sulphides/Oxides
- 8 Massive Sulphides - Carbonate Bearing

Quartzites (20 - 45)

- 20 Quartzite - Ribbon Banded Graphitic
  - 21 Basal Horizon
  - 22 Middle Horizon
  - 23 Upper Horizon
- 30 Quartzite - Pyritic
  - 31 Basal Horizon
  - 32 Middle Horizon
  - 33 Upper Horizon
  - 34 Base Metal Bearing
- 40 Quartzite
  - 41 Graphitic

Metabasite (46 - 49)

- 46 Metabasite
- 47 Altered Metabasite

Phyllite/Schist/Gneiss

- 50 Phyllite/Schist
  - 51 Graphitic Phyllite
  - 52 Altered Phyllite
  - 53 Calcareous Phyllite
  - 54 Chloritic Phyllite
  - 55 Muscovite Quartz Chlorite Biotite Phyllite
  - 56 Non Calcareous Muscovite Chlorite Biotite Phyllite
  - 57 Carbonaceous Biotite Muscovite Andalusite Schist

Calc-Silicate Rocks (60 - 69)

- 60 Calc Silicate
- 61 Calc Silicate - Graphitic Basal Unit
- 62 Calc Silicate - Breccia
- 63 Tuffaceous Calc-Silicate Phyllite/Schist
- 64 Marble (Phyllitic e Silicated)
- 65 Tactite
- 66 Calc Silicate Phyllite/Schist

Gneiss (70 - 79)

- 70 Gneiss
- 71 Quartz Feldspar Muscovite Biotite Gneiss

Intrusives (80 - 89)

- 80 Granite
- 81 Quartz Feldspar Porphyry
- 82 Pegmatite
- 83 Adamellite
- 84 Monzonite
- 85 Granodiorite
- 86 Quartz Diorite
- 87 Diorite
- 88 Syenite
- 89 Pyroxenite

Miscellaneous (90 - 99)

- 93 Quartz Vein
- 94 Waste
- 95 Air
- 96 Partially above Topography
- 97 Overburden
- 98 Lost Core
- 99 Fault

ATTACHMENT #2

MINERAL IDENTIFIERS

a	Actinolite	Q	Quartz (vein)
b	Biotite	B	Barytes
c	Calcite	C	Chalcopyrite
d	Andalusite	G	Galena
e	Epidote	M	Magnetite
f	Feldspar	R	Pyrrhotite
g	Graphite	Y	Pyrite
h	Hornblende	Z	Sphalerite
i	Diopside		
k	K-spar		
l	Chlorite		
m	Muscovite		
n	Garnet		
o	Kaolinite		
p	Potash Feldspar		
q	Quartz (fine grained)		
s	Sericite		
t	Talc		
u	Staurolite		
x	Non Calcareous		

ATTACHMENT #3

TEXTURES

+	Equigranular
=	Laminated
:	Banded
\$	Ribbon Banded
.	Buckshot Texture
>	Coarse Grained
~	Medium Grained
<	Fine Grained
:	Clotted
*	Porphyroblastic
X	Brecciated
#	Network
@	Aphanitic
~	Fault
!	Foliated
-	Porphyritic

ATTACHMENT #4

GRADE

/0	=	no sphalerite or galena
/1	=	1 - 3% PbS/ZnS
/2	=	3 - 5%
/3	=	5 - 15%
/4	=	15% +

## ATTACHMENT #5

### ROCK CODE CONSTRUCTION

ROCK #: TEXTURE: MINERAL IDENTIFIERS: TEXTURE: GRADE

#### NOTES

- 1) The most abundant rock type comes first if the rock is a hybrid.
- 2) A forward slash (/) is used to separate numeric values if there are no intervening alphabetic or other symbols.
- 3) Textural codes may be appended to rock type number or mineral identifier.
- 4) Pyritic quartzite is assumed to have no more than 30% pyrite.
- 5) The grade descriptor for zero grade (i.e. 0) may be omitted.
- 6) Mineral identifiers when more than one are used are in order of abundance.
- 7) Beware of redundancies when using mineral identifiers (eg. chloritic phyllite is "54", not "54L"; though possibly the latter could be used for a rock containing extraordinarily large amount of chlorite).
- 8) Not all five parts of the rock code construction shown above are necessarily used. Rock number alone is mandatory. It must be accompanied by a grade descriptor if the rock is a sulphide (ie. rock units 1 - 9).

ATTACHMENT #6

EXAMPLES

<u>Proposed Code</u>	<u>Old Code</u>	
12#3	(2E4)	Massive sulphides with over 80% pyrite with heavy sphalerite in a ratio zinc to lead of greater than 1 1/2:1. Texture is network and combined lead/zinc grade is between 5 and 15%.
20Z1	(2A4)	Ribbon banded graphitic quartzite with up to 3% zinc (in sphalerite). No iron sulphides are present.
34/1	(2D)	Quartzite with up to 30% pyrite, and a combined zinc/lead grade of up to 3% in usual ratio.
6Y<2	(80)	Massive fine grained pyrite with bands of metabasite. Sphalerite and galena are present in usual ratio of 1 1/2:1, and combined lead/zinc grade is between 3 and 5%.
80Y<.	(10H9)	Kaolinized granite waste with fine grained pyrite. (N.B. no way of indicating pyrite in stratigraphic code.)
34/54/2	(2D1H)	Base metal bearing quartzite with less than 30% pyrite mixed with chloritic phyllite. Combined lead/zinc grade is 3 to 5%. Quartzite constitutes more than 50% of rock.
54/34/2	(1H2D)	As above, but choritic phyllite constitutes more than 50% of rock.