006359

ATTACHMENT # 5

ROCK CODE CONSTRUCTION

ROCK #: MINERAL IDENTIFIERS: TEXTURE: GRADE

NOTES:

1) The most abundant rock type comes first if the rock is a hybrid.

2) Parentheses are used to separate subordinate rock types.

3) Textural codes are appended after the mineral identifier(s).

4) Baritic ore ("7") must contain more than 10% barite. If barite content is less than 10% use the appropriate rock code (Not "7") with the mineral identifier for barite ("B").

5) Pyritic quartzite is assumed to have no more than 30% pyrite.

6) The grade descriptor for zero grade (i.e. N) may be omitted.

7) Mineral identifiers when more than one are used are in order of abundance.

8) Beware of redundancies when using mineral identifiers (eg. chloritic phyllite is "47" , not "471"; though possibly the latter could be used for a rock containing extraordinarily large amount of chlorite). In general, characteristics which are normally found in a rock type should not be indicated by a mineral or textural identifier.

9) Not all four 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 4-9)

CURRAGH RESOURCES INC. – NUMERIC ANVIL LITHOSTRATIGRAPHIC CODE

ROCK CODES (OLD CODES INCLUDED FOR COMPARISON)

DISSEMINATED QUARTZITES		
2	4A	Ribbon banded carbonaceous quartzite
3	4C/4D	Pyritic quartzite (<30% pyrite)
SEMI MASSIVE SULPHIDE (Generally low grade)		
4	4EC/4E1/ 4C3	Siliceous pyritic sulphides (30–60% pyrite)
MASSIVE SULPHIDES		
5	4E/4F	Massive pyritic sulphides (60–100% pyrite)
6	4K	Massive pyritic sulphide with clasts of dolomite/ankerite
7	4G	Baritic pyrite sulphides (>10% barite)
8	4H	Pyrrhotitic sulphides
9	4J	Nonpyritic sulphides & oxides – pyrite poor
METASEDIMENTS		
20	3G	Noncalcareous, muscovite–chlorite, medium grey phyllite
22	1C/1CD/1D	Noncalcareous, bio–musc–qtz staurolite+andalusite+garnet+fibrolite schist
30	5A/5G/3E/1E	Carbonaceous phyllite/schist
32	5E/3F/1G	Marble + calc–silicate bands
33	1B	Skarn and "silicated" marble
36	3D	Calc–silicate
40	5B	Calcareous, silvery grey, muscovite chlorite phyllite
44	5C/3C/1F	Metabasite, poorly foliated greenstone (relict igneous texture)
45	5C/3C/1F	Pyroxinite – commonly serpentinized (relict basites)
46	5C/3C/1F	Amphibolite – blue–green hornblende + plagioclase + quartz
47	5D/3B/1H	Chloritic phyllite/schist – pale green, homogenous
ALTERED ROCKS		
52	4L0	Muscovite>chlorite quartz phyllite/schist – light cream to white
54	4L6	Chlorite>muscovite quartz phyllite/schist – pale green
CRETACEOUS INTRUSIVES		
60	10Q	Quartz vein – white bull quartz
61	10AB	Anvil Batholith – Mt Mye phase of Anvil plutonic suite. Musc–bio granite
65	10C	Pegmatite
66	–	Aplite
68	10E	Hornblende–biotite quartz diorite – massive and unfoliated
69	10F	Smokey quartz–feldspar porphyry – massive and unfoliated
FAULT ROCK (use only if parent not recognized)		
72		Gouge
74		Tectonic breccia
76		Mylonite
OVERBURDEN		
82		Unclassified – general
84		Tricored – no recovery
86		Till – silt – sand
88		Ferricrete
99		Air
OTHER		
0		No Recovery
&		+/–

GRADE MODIFIERS

N	no visible grade
W	1–3% Pb+Zn
L	3–5% Pb+Zn
H	5–10% Pb+Zn
V	>10% Pb+Zn

MINERAL IDENTIFIERS

Carbonates
- c calcite
- k ankerite
- v carbonate–non specific
- w dolomite

Micas
- b biotite
- j "fuchsite"
- l chlorite
- m muscovite
- s sericite
- t talc

Felspars – Quartz
- f feldspar
- q quartz (fine grained)
- y kaolinite (clay minerals)
- p potash feldspar
- Q quartz (vein)

Calc Silicates
- a actinolite
- e epidote
- h hornblende
- l diopside

Alumino–Silicates/Pelites
- d andalusite
- n garnet
- r fibrolite
- u staurolite
- z chloritoid

Oxide/Sulphide/Sulphates
- A Arsenopyrite
- B Barite
- C Chalcopyrite
- G Galena
- L Limonite (iron oxides)
- M Magnetite
- P Pyrite
- R Pyrrhotite
- Z Sphalerite
- F Marcasite

Other
- g carbon
- x noncalcareous

ROCK TEXTURES

- + equigranular
- ! foliated
- = laminated/ribbon banded
- > coarse–grained
- ^ medium grained
- < fine grained
- \ clotted
- : porphyroblastic
- % porphyritic
- ' interstitial
- @ porous
- * weathered
- ~ fault gouge
- X fault breccia (tectonic)
- ? mylonite
- # altered
- $ "stringered"
- o spotted