

Geological Logging Codes

4-Oct-2015

Lithology

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	Mineral codes appended on export from DB
N	Undifferentiated soil
Nal	Alluvium sheetwash
Ncl	Colluvium, scree
NQ	Quartz-rich sand
NC	Pedogenic carbonate
NY	Clay-rich loam
NF	Soil comprising Fe-rich duricrust fragments
Lf	Undiff. Fe-rich duricrust
Lfm	Massive Fe-rich duricrust
Lpl	Loose pisoliths
Lfpl	Cemented pisolithic duricrust
Lfn	Nodular Fe-rich duricrust
Lff	Fragmental Fe-rich duricrust
Lfmn	Manganiferous Fe-rich duricrust
Gos	Gossan (use laterite terminology if applicable); indicate boxwork textures if present
Lhp	Hardpan
Lsi	Silcrete
Lca	Calcrete
LC	Silica cap-rock after ultramafic
W	Weathered rock Undifferentiated
WY	Clay Undifferentiated
WYL	Ferruginised clay
WYK	Lake clay
U	Ultramafic
M	Mafic
I	Intermediate
G	Granitoid
F	Felsic volcanic / volcanoclast
S	Sedimentary
V	Vein use mineral codes for details
H	Hybridized zone
\$	Sulphides (where these comprise > 40% of the rock)
D	Drilling features
TF	Transported fill, ei drill pad fill
.	

Interpretation

Drilling

DCAV	Cavity
DLOSS	Lost sample
DNAVI	Navidrilling interval
DPCOL	Unsampled pre-collar
DSTOPE	Stope / old workings
DWASTE	Waste

Superficial

X	Superficial deposits
Xr	Residual soil
Xn	Transported soil
Xnc	Colluvium
Xny	clay, clay loams
Xnl	Ironstone scree & clay loam
Xns	Sand
Xnsa	Drainage alluvium, salinas
Xnsd	Sand dunes, aeolian sands
Xng	Gravel
Xncp	clay and ironstone pebble colluvium
Xnsc	coarse sand/channel sand
Xnsy	clayey sands/channel sand
Xnca	calcrete
Xncg	clay colluvium and ironstone gravels
Xd	Duricrust
Xdc	Calcrete
Xdf	Fercrete

Xds	Silcrete
Xl	lake sediment undifferentiated
Xly	laminated clays
Xlyh	laminated hematitic and gray clays
Xlyl	laminated limonitic clays
Xlyp	limonitic clays and minor ironstone pisolites

Regolith

R	Regolith
RI	Laterite
Rln	Transported laterite
Rp	Pisolite
Rm	Mottled zone
RmG	Mottled zone - Granitic
RmM	Mottled zone - Mafic
RmS	Mottled zone - Sedimentary
RmU	Mottled zone - Ultramafic
Rc	Clay zone - Undifferentiated
RcU	Clay zone - Ultramafic
RcM	Clay zone - Mafic
Rcl	Clay zone - Intermediate
RcG	Clay zone - Granitic
RcS	Clay zone - Sedimentary
RcF	Clay zone - Felsic
Rs	Saprolite - Undifferentiated
RsU	Saprolite - Ultramafic
RsM	Saprolite - Mafic
Rsl	Saprolite - Intermediate
RsG	Saprolite - Granitic
RsS	Saprolite - Sedimentary
RsF	Saprolite - Felsic
Ri	Ironstone

Interp

.	Not interpreted. Refer to regolith and litho
.Asbestos	Asbestos
.Fill	Transported fill, ie drill pad fill
.Gos	Gossan
.Horn	Hornfels
.Fault	Fault
.Shear	Shear
U	Undiff. Ultramafic
UoS	Olivine spinifex textured rock
UpS	Pyroxene spinifex textured rock
UoOC	Olivine orthocumulate/peridotite
UoMC	Olivine mesocumulate
UoAC	Olivine adcumulate/dunite
UpC	Pyroxene cumulate
UX	Unknown, no igneous texture, ? mineralogy
UXS	Serpentine rock (includes magnetite)
UXSRC	Serpentine-tremolite-chlorite rock
UXRC	Tremolite-chlorite rock
UXTC	Talc-carbonate rock
UXTCH	Talc-carbonate-chlorite rock
Ukm	Undiff. Komatiitic rocks. (<50% ol)
Ukmo	Olivine spinifex komatiite
Ukmb	Komatiitic basalt. (with or without pyroxene spinifex textures)

M	Undifferentiated mafic
Mb	Undifferentiated basalt
Mbm	High magnesian basalt. (actinolite +/- albite) Variolitic textures common
Mbt	Tholeiite. (amphibole - albite)
Ma	Undifferentiated amphibolite
Mat	Hornblende - plagioclase. (tholeiite basalt precursor)
Mam	Actinolite - plagioclase. (high Magnesian basalt precursor) Variolitic textures common
Mag	High grade metamorphism. (Garnet amphibolite)
Md	Undifferentiated dolerite
MdP	Proterozoic dolerite
Mda	py-pl-ol, glass
Mdh	Altered dolerite (ch-mt)

Mdt	Tholeiitic dolerite
Mg	Undifferentiated gabbro
Mgn	Gabbro-norite
Mvt	Mafic tuff
I	Undifferentiated intermediate
Ia	Andesite
Iab	Basaltic andesite
Id	Diorite
Ivt	Intermediate tuff
G	Undifferentiated Granitoid
Gd	Diorite
Grg	Granite
Grp	Pegmatite
Gro	Porphyry
Grd	Granodiorite
Gra	Anorthosite
Grn	High grade Gneiss
Grm	Early phase metamorphosed granites
Grt	Tonalite
F	Undifferentiated felsic
Fv	Undifferentiated Felsic volcanic
Fvr	Rhyolite
Fvd	Dacite
Fvv	Volcaniclastic. (subdivide on textural and structural type)
Fvt	Felsic tuff. (as distinct from mafic)
S	Undiff. Sedimentary rock
Sd	Undiff. Detrital sedimentary
Sdmu	Mudstone / shale
Sdsi	Siltstone
Sdwk	Greywacke
Sdst	Undifferentiated sandstone
Sdstq	Quartzose sandstone
Sdstf	Feldspathic sandstone
Sdstl	Lithic sandstone
Sdcg	Conglomerate
Sddf	Debris flow.
Sdsts	Fossiliferous sandstone
Sdtm	Tuffaceous sediment. (chlorite -rich)
Sdl	High grade metamorphism. Granular quartz with various metamorphic minerals
Sdle	Pelitic metasedimentary rocks
Sdlt	Tuffaceous, am - rich rocks
Sdls	Psammitic metasedimentary rock
Sdlq	Quartzite
Sc	Undiff. Chemical sedimentary
Scif	Banded iron formation. (BIF)
Scsif	Amphibolitic chert. Silicate facies of the Banded Iron Formation
Scch	Chert
Scbs	Carbonaceous shale
Sce	Evaporite
So	Undiff. Organic sedimentary
Soc	Carbonate
Sol	Limestone
Sod	Dolomite
Sok	Carbonaceous
Sokl	Lignite
Sokp	Peat
V	Vein - use mineral codes
Vqz	Vein - quartz
Vca	Vein - carbonate
Vma	Vein - magnesite
Vsi	Vein - silica
\$	Undifferentiated sulphidic rock
\$M	Massive sulphides. (>80% by vol.)
\$D	Disseminated sulphides. (40-80% by vol.)
\$T	Matrix sulphides. (40-80% by vol.)
\$S	Stringer sulphides
\$X	Breccia sulphides. (sulphide matrix to silicate fragments)
\$B	Blebbly sulphides
\$L	Laminated sulphides
Chr	Chromite occurrence
.RZ	Reaction zone
Hyb	Hybridized zone

Z Schist - use mineral codes for detail

Interpretation Suffix

\$ Sulphides - 5 to 40%
(\$) Sulphides - 1 to 5%

