**LITHOLOGY**

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| **Rock Type** | **Description** | **Lower Contact Gradation** | |
| sst | Sandstone - undifferentiated | 1 = very broadly dispersed boundary (>100cm dispersion) | |
| slst | Siltstone - undifferentiated | 2 = broadly dispersed boundary (50 - 100cm dispersion) | |
| mdst | Mudstone - undifferentiated | 3 = moderately dispersed boundary (20 - 50cm dispersion) | |
| sh | Shale | 4 = dispersed boundary (<20cm dispersion) | |
| gr | Gravel | 5 = distinct (abrupt contact) | |
| **INTERMEDIATE** | |  | |
| I | Intermediate undifferentiated | **Lower Contact Style** | |
| Iv | Intermediate coherent undivided | P = Planar | |
| Ie | Intermediate extrusive | I = Irregular | |
| Ii | Intermediate intrusive | Bk = Broken | |
| It | Intermediate tuff | S = Stepped | |
| II | Intermediate lapilli tuff | U = Undulating | |
| Ix | Intermediate breccia | G = Gradational | |
| If | Intermediate volcaniclastic, undivided | Con = Conformable | |
| Id | Diorite |  | |
| Im | Monzodiorite, monzogabbro | **Rock Colour** | **Texture Grain Size** |
| **MAFIC** | | bu = blue | vfg = very fine grained |
| M | Mafic, undifferentiated | bk = black | fg = fine grained |
| Mb | Basalt | br = brown | mg = medium grained |
| Mbm | High Mg basalt | gn = green | cg = coarse grained |
| Mt | Mafic tuff | gy = grey | vcg = very coarse grained |
| Mf | Mafic fragmental | or = orange | var = variable |
| Mx | Mafic breccia | pk = pink |  |
| Md | Dolerite | pp = purple |  |
| Mg | Gabbro | rd = red |  |
| Ma | Anorthosite | wh = white |  |
| Mc | Trocolite | ye = yellow |  |
| Mh | Hornblende | cr = cream |  |
| **MISCELLANEOUS** | | rd/br = red/brown |  |
| Tc | Cataclasite | sgy = silver/grey |  |
| Tx | Tectonic breccia | ltpk = light pink |  |
| Tm | Mylonite | ltpp = light purple |  |
| Hx | Hydrothermal breccia | ltrd = light red |  |
| X | Unknown rock unit | ltye = light yellow |  |
| ASch | Andalusite Schist | ltgy = light grey |  |
| SptSch | Spotted Schist |  |  |
| MSch | Meta - Schist | medgy = medium grey |  |
| Qtz | Quartz | dkgy = dark gray |  |
| FInt | Felsic Intrusive | wh/ltgy = white/light grey |  |
| HmSch | Haematitic Schist | br/gy = brown/grey |  |
| SilMSch | Siliceous meta-Schist | gy/red = grey/red |  |
| Skarn | Skarn – Calc. / Sil. - Carbonate rich |  |  |
| Mar | Marble | **EXTRA** |  |
| PsSch | Psammitic Schist | RC Precollar |  |
| Psm | Psammite (massive) | Core Loss |  |
| MicSch | Micaceous Schist |  |  |
| ML | Mineralised Lode |  |  |
| CsSch | Calc. Silicate Schist |  |  |
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**LITHOLOGY cont’d**

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| **TEXTURE TYPE** | Description | **TEXTURE TYPE** | Description |
| **REGOLITH** |  | **IGNEOUS cont’d** |  |
| ble | bleached | xln | crystalline |
| el | cellular | vfr | volcanic fragments |
| con | concretionary | ves | vesicular |
| ear | earthy | var | variolitic |
| frg | fragmental | msc | mesocumulate |
| fri | friable | tuf | tuffaceous |
| gos | gossanous |  |  |
| ind | indurated |  |  |
| lam | laminated |  |  |
| mgm | megamottled |  |  |
| mot | mottled |  |  |
| nod | nodular |  |  |
| ool | oolitic |  |  |
| pis | pisolitic |  |  |
| pla | plastic | **METAMORPHIC** |  |
| pod | poddy | aci | acicular |
| stf | powdery | asb | asbestiform |
| sor | sorted | bld | bladed |
| uns | unsorted | dcs | decussate |
| ver | vermiform | bnd | banded |
| vnl | vein-like | fib | fibrous |
| voi | voided | gns | gneissic |
| xct | cross-cutting | grn | granoblastic |
| **IGNEOUS** |  | hnf | hornfelsed |
| adc | adcumulate | lpd | lepidoblastic |
| amy | amygdaloidal | poc | porphyroclasts |
| aph | aphhanic | pob | porphyroblasts |
| aqg | equigranular | sch | schistose |
| gls | glassy | mas | massive |
| gpy | granophyre | dis | disseminated |
| hyl | hyaloclastic | st | stringers |
| ocl | ocellar | xn | xenolithic |
| osp | olivine Spinifex |  |  |
| oph | ophitic |  |  |
| orc | orthocumulate | **Texture Intensity** | |
| pgm | pegmatitic | 1 = occasional (<25% of texture in logged interval) | |
| plw | pillowed | 2 = partially (25% - 50% of texture in logged interval) | |
| pph | porphyritic | 3 = moderate (50% to 75% of texture in logged interval) | |
| psp | pyx spinifex | 4 = total (>75% of texture in logged interval) | |
| sop | subophitic |  | |
| sph | spherulitic |  | |
| spt | spotted |  | |
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**ALTERATION**

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| **Alteration Code** | **Alteration Description** | **Alteration Intensity Code and Description** |
| ad | adularia | 1 = Weak |
| ag | argillic | 2 = Moderate |
| as | aluminosilicate | 3 = Strong |
| ap | amphibole | 4 = Intense |
| bi | biotite |  |
| bc | biotite-chlorite |  |
| cs | calc-silicate |  |
| cb | carbonate |  |
| ct | chlorite |  |
| ep | epidote |  |
| fe | ferruginous | **Alteration Variation Code and Description** |
| gn | greissen | Dis = Disseminated (patchy throughout interval) |
| hm | haematisation | Loc = Localised (intense in patches) |
| mg | magnesian | Per = Pervasive (distributed throughout interval) |
| pp | propylitic | Ma = Massive (total interval altered) |
| na | sodic |  |
| nc | sodic-calcic |  |
| se | sericite |  |
| sc | sericite-chlorite |  |
| si | silicification |  |
| sf | sulphidisation |  |
| ti | talc |  |
| tc | talc-chlorite |  |
| and | andalusite |  |
| mus | muscovite |  |
| gar | garnet |  |
| cord | cordierite |  |
| epi | epidote |  |
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| **ALTERATION / SULPHIDE STYLES** | |  |
| d | disseminated |  |
| m | massive, pervasive | **OXIDATION Codes and Description** |
| v | veins | F = fresh |
| s | stockwork | T = trace |
| l | lodes | W = weak |
| p | pods, patches | M = moderate |
| f | foliation controlled | S = strong |
| b | bands, bed controlled | E = extreme |
| qtz | quartz |  |
| epi | epidote |  |
| fi | felsic intrusive |  |
| calc | calcite |  |
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**VEINING**

Any additional type of observation related to veins through the interval. Intensity of veining is recorded.

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| **Veining Style Code & Description** | | **Veining Intensity Codes and Description** | |
| bnd | banded | 1 = Odd vein distributed throughout interval | |
| brx | breccia | 2 = Random veining throughout interval | |
| cok | cockade | 3 = Prolific veining throughout interval | |
| col | collloform | 4 = Total veining throughout interval | |
| cmb | comb |  | |
| cru | crustiform | **EXTRA MINERALISATION** | |
| fib | fibrous | Type Code and Description | |
| lam | laminated | Mal = malachite | |
| mas | massive | Ncpr = native copper | |
| rib | ribbon | Azr = azurite | |
| sac | saccharoidal | Tml = tourmaline | |
| spi | spider | Il = ilmenite | |
| sht | sheeted | Cup = cuprite (CuS) | |
| stk | stockwork | Gnt = Garnet | |
| str | stringer |  | |
| sty | stylolitic |  | |
| vug | vuggy |  | |
| zon | zoned |  | |
| ib | interbedded |  | |
| frac | brittle fracture |  | |
| xc | cross cutting |  | |
| ir | irregular |  | |
| con | conformable |  | |
| vnlt | veinlets |  | |
| shear | sheared |  | |
| xln | crystalline |  | |
| fc | fracture controlled | Gouge | |
| un | undulating | Type of infill material if identifiable. | |
| pla | planar |  |  |
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| **STRUCTURE** | |
| Type Code and Description | |
| flt = Fault | |
| slk = Slickensides | |
| fol = Foliated | |
| brx = Brecciated | |
| qtzv = Quartz Vein | |
| Jnt = Joint | |
| So = Bedding | |
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| Intensity of Type Codes and Descriptions | |
| 1 = No structure evident. Core interval is massive. | |
| 2 = Slight structure evident. Core interval has remnant structure. | |
| 3 = Partial structure evident. Majority of core has a strong structure type. | |
| 4 = Completely – Structure completely dominated core interval. | |
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**WEATHERING**

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| **Weathering Codes & Descriptions** | | | |
| I | Intensely weathered | F | Ferruginous |
| Pw | Partly weathered | Lm | Mottled Zone |
| Sw | Slightly weathered | Chf | Ferricrete |
| Cw | Completely weathered | Chs | Silcrete |
| CZ | Clay Zone | Ca | Alluvium |
| Cal | Calcareous | Reg | Regolith |
| Fr | Fresh rock | Cco | Colluvial Soil |
| Go | Gossan | Cw | Aeolian Deposits |
| Lx | Redox front | Xo | Un-differentiated soil |
| SZ | Supergene zone | Xf | Ferricrete – unknown origin |
| Eo | Erosional Soil |  |  |
| S | Silicified |  |  |
| Eg | Erosional Gossan |  |  |
| El | Erosional Lag |  |  |