

LITHOLOGY

| Lithology | |
|--|--|
| Code | Description |
| Sedimentary - Clastic Sedimentary Rocks | |
| SAK | Arkose sandstone |
| SAN | Arenite |
| SBR | Breccia, Sedimentary |
| SCS | Conglomeratic sandstone 5% - 30% >2mm |
| SCG | Conglomerate |
| SGY | Greywacke |
| SLS | Lithic sandstone |
| SLI | Sandy siltstone 10% - 50% sand |
| SMD | Mudstone |
| SML | Marlstone |
| SRD | Rudite |
| SSH | Shale |
| SSL | Siltstone <10% sand |
| SSI | Sandstones/Arenites(undiff), grainsize >.05mm <2mm |
| Sedimentary - Chemical Sedimentary Rocks | |
| SBF | Banded iron formation |
| SCB | Carbonate rocks (undiff) |
| SCK | Chalk |
| SCI | Chert |
| SDI | Diatomite |
| SDL | Dolomite |
| SEV | Evaporites (undiff) |
| SEX | Exhalite (undiff) |
| SIF | Iron Formation |
| SLM | Limestone |
| SPH | Phosphorite |
| SRL | Radiolarite |
| SSR | Sinter |
| Sedimentary - Carbonaceous Sedimentary Rocks | |
| SCL | Carbonaceous sediment |
| Sedimentary - Volcanic Sedimentary Rocks | |
| SVD | Volcanic Debris flow |
| SVE | Epiclastic Rock |
| SVF | Volcaniclastic, felsic (undiff) |
| SVI | Volcaniclastic, intermediate (undiff) |
| SVL | volcaniclastic (undiff) |
| SVM | volcaniclastic, mafic (undiff) |
| SVP | Pepperite |
| Sedimentary - Undifferentiated Sedimentary Rock | |
| SSS | Undiff sedimentary rocks |
| Igneous - Felsic Volcanic Rocks | |
| FAG | Felsic Agglomerate |
| FDC | Dacite |
| FEP | Amphibole/biotite-feldspar +/- quartz porphyry |
| FFV | Felsic volcanic (undiff) |
| FFP | Feldspar Porphyry |
| FUG | Obsidian or volcanic glass |
| FPV | Felsic pyroclastic tuft (undifferentiated) |
| FQP | Quartz Porphyry |
| FRY | Rhyolite |
| FIF | Felsic tuft |
| FIL | Felsic lithic tuft |
| FIC | Felsic crystal tuft/Quartz-eye tuft |
| FII | Felsic Crystal lithic tuft |
| FIB | Felsic breccia |

| Code | Description |
|--|--------------------------------------|
| FIP | Felsic lapilli |
| FII | Felsic Ignimbrite |
| Igneous - Felsic Intermediate and Intrusive Rocks | |
| GAP | Microgranite/Felsic or Aplite |
| GDI | Diorite |
| GDI | Ironhjemetite |
| GEP | Quartz-feldspar Porphyry |
| GFD | Foid rich-diorite rocks |
| GFP | Feldspar Porphyry |
| GFS | Foid rich-syenite/foid monzosyenite |
| GGG | Granitoid (undiff) |
| GGR | Greisen |
| GIN | Intermediate Dyke (undiff) |
| GMO | Monzodiorite |
| GML | Monzonite |
| GNI | Granite |
| GPG | Pegmatite |
| GPP | Porphyry (undiff) |
| GQP | Quartz Porphyry |
| GRD | Granodiorite |
| GRR | Feldspathoid-rich Intrusive/foiolite |
| GSY | Syenite |
| GTN | Tonalite |
| Igneous - Intermediate Volcanic Rocks | |
| IAB | Basaltic andesite |
| IAG | Intermediate agglomerate |
| IAN | Andesite |
| IHY | Intermediate hyaloclastite |
| III | Intermediate volcanic (undiff) |
| IPN | Phonolite |
| IPU | Intermediate pyroclastic (undiff) |
| ITA | Trachyandesite |
| ITB | Intermediate breccia |
| ITC | Intermediate crystal lithic tuft |
| ITF | Intermediate tuft |
| ITL | Intermediate lithic tuft |
| IIP | Intermediate Lapilli |
| ITR | Trachyte |
| ITI | tephrite |
| Igneous - Mafic Volcanic Rocks | |
| MBS | Basalt |
| MBI | Tholeiitic basalt |
| MBM | High magnesian basalt |
| MBH | Hyaloclastite |
| MIU | Mafic tuft - undifferentiated |
| MIT | Mafic tuft - lithic |
| MIT | Mafic tuft - crystal |
| MTA | Mafic tuft - ash/lapilli |
| MTB | Mafic breccia/coarse pyroclastic |
| Igneous - Mafic Intrusive Rocks | |
| MGB | Gabbro |
| MNO | Norite |
| MMG | Monzogabbro |
| MAN | Anorthosite |
| MDO | Dolerite |
| Igneous - Undifferentiated Mafic Rock | |
| MMM | Mafic rock, undifferentiated |

| Code | Description |
|------------------------------------|---|
| Igneous - Ultramafic Rocks | |
| UUU | Ultramafic rock (undiff) |
| UKM | Kimberlite |
| UCB | Carbonatite |
| ULH | Lamprophyre |
| ULP | Lamproite |
| ULI | Ultramafic layered intrusive (undiff) |
| UDN | Dunite |
| UPD | Peridotite |
| UPX | Pyroxenite (undiff) |
| UOP | Orthopyroxenite |
| UCP | Clinopyroxenite |
| UWB | Websterite |
| UHB | Hornblendite |
| UKI | Komatite |
| Metamorphic: Low-Med Grade | |
| PBS | Blueschist |
| PFS | Felsic Schist |
| PIS | Intermediate Schist |
| PMB | Marble |
| PMS | Mafic Schist |
| PPY | Phyllite |
| PSL | Slate |
| SAR | Argillities |
| PSP | Serpentinite |
| PST | Schist (undiff) |
| PUS | Ultramafic Schist |
| PTC | Talc |
| Metamorphic: Med-High Grade | |
| PAM | Amphibolite |
| PEO | Eclogite |
| PGN | Gneiss |
| PGR | Mafic Granulite |
| PHF | Hornfels |
| PMA | Granulite (undiff) |
| PMG | Migmatite |
| PQZ | Quartzite |
| PSK | Skarn |
| Deformation | |
| PLI | Cataclasis |
| PMY | Mylonite |
| PIG | Fault gouge |
| PFB | Fault breccia |
| Hydrothermal - Breccia | |
| ZBH | Breccia, hydrothermal |
| Hydrothermal - Sulphide | |
| ZMS | Massive sulphide |
| Hydrothermal - Veins | |
| ZVN | Massive vein (undiff) |
| ZQC | Quartz carbonate vein |
| ZQB | Quartz vein |
| No Return | |
| NRL | No return - loss (material was drilled but was washed or ground away) |
| NRC | No return - cavity (undefined) |
| NKW | No return - workings (encountered non-natural/man made cavity) |
| NKN | No return - natural (encountered natural/in-situ cavity) |
| Unknown | |
| AAA | Unknown |

DRILL SPECIFICATIONS

| Drill Type | |
|------------|---------------------|
| Code | Description |
| AC | Air Core |
| DD | Diamond |
| RAB | Rotary Air Blast |
| RC | Reverse Circulation |
| RM | Rotary Mud |
| PT | Point Data |

Site Type Rocks

| | |
|------|---------------------|
| RK | Rock Chip Sample |
| RKFA | Rock Chip : Face |
| RKFL | Rock Chip : Float |
| RKO | Rock Chip : Outcrop |
| RKS | Rock Chip : Subcrop |

Site Type Soil

| | |
|----|-----------------|
| SO | Soil |
| ST | Stream Sediment |

Site Type Other

| | |
|------|---------------|
| AUG | AUG |
| AUGH | Hand Auger |
| AUGM | Machine Auger |
| CH | Channel |
| TR | Trench |

Drill Equipment

| Code | Description |
|------|-------------|
|------|-------------|

Aircore Drilling

| | |
|------|----------------|
| AC_B | Aircore Blade |
| AC_H | Aircore Hammer |

Core Drilling

| | |
|------|--------------------|
| DBIT | Diamond Tipped Bit |
|------|--------------------|

RAB Drilling

| | |
|-------|------------|
| RAB_B | RAB Blade |
| RAB_H | RAB Hammer |

RC Drilling

| | |
|--------|--|
| FSH | Face Sampling Hammer |
| HAM_X | RC Conventional Hammer & crossover sub |
| ROLLER | Roller Bit |
| TBIT | Tungsten Tipped Bit |

Drill Barrel

| Code | Description |
|---------|--------------------------------|
| CHROME | Diamond - Chrome Barrel |
| FLEXI | Diamond - Flexi Barrel |
| HEX | Diamond - Hex Barrel |
| STAB_F | RC - Front Stabilizer |
| STAB_FR | RC - Front and Rear Stabilizer |
| STAB_R | RC - Rear Stabilizer |
| STD | Diamond - Standard Barrel |

Rig Type

| Code | Description |
|------|-------------|
| TBA | New |
| TBA | New |

Rig ID

| Code | Description |
|-------|-------------|
| Rig01 | Rig01 |
| Rig02 | Rig02 |
| Rig03 | Rig03 |
| Rig04 | Rig04 |
| Rig05 | Rig05 |
| Rig06 | Rig06 |
| Rig07 | Rig07 |
| Rig08 | Rig08 |
| Rig09 | Rig09 |
| Rig10 | Rig10 |

Shift

| Code | Description |
|------|-------------|
| D | Day |
| N | Night |

Drill Diameter

| Code | Description |
|-------------|-------------|
| RC Drilling | |
| 4.25 | 4.25" |
| 4.5 | 4.5 " |
| 4.75 | 4 3/4" |
| 5 | 5 " |
| 5.25 | 5.25" |
| 5.375 | 5 3/8" |
| 5.5 | 5 1/2" |
| 5.625 | 5 5/8" |

Core Drilling

| | |
|-----|--------------------------|
| BQ | BQ Standard - 36.5mm |
| BQ3 | BQ3 Triple Tube - 33.5mm |
| NQ | NQ Standard - 47.6mm |
| NQ2 | NQ Double Tube - 50.5mm |
| NQ3 | NQ Triple Tube - 45.0 mm |
| HQ | HQ Standard - 63.5mm |
| HQ3 | HQ Triple Tube - 61.1mm |
| PQ | PQ Standard - 85.0mm |
| PQ3 | PQ3 Triple Tube - 83.0mm |

Hole Status

| Code | Description |
|------|--|
| ABBC | Abandoned - Blown Collar |
| ABBK | Abandoned - Blocked |
| ABCV | Abandoned - Air Loss (Cavity) |
| ABDV | Abandoned - Excess Deviation |
| ABOH | Abandoned - Air Loss (old drill hole) |
| ABSB | Abandoned - Shankd Bit (Bit left in hole) |
| ABTR | Abandoned - Torqued-Rods (loss of return) |
| ABWP | Abandoned - Water Pressure |
| ABXC | Abandoned - Excessive Sample Contamination |
| COMP | Completed to Target Depth |

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| SCL | Carbonaceous sediment |
| Sedimentary - Volcanic Sedimentary Rocks | |
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| FPV | Felsic pyroclastic tuft (undifferentiated) |
| FQP | Quartz Porphyry |
| FRY | Rhyolite |
| FIF | Felsic tuft |
| FIL | Felsic lithic tuft |
| FIC | Felsic crystal tuft/Quartz-eye tuft |
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| MBI | Tholeiitic basalt |
| MBM | High magnesian basalt |
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| MIU | Mafic tuft - undifferentiated |
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| Igneous - Mafic Intrusive Rocks | |
| MGB | Gabbro |
| MNO | Norite |
| MMG | Monzogabbro |
| MAN | Anorthosite |
| MDO | Dolerite |
| Igneous - Undifferentiated Mafic Rock | |
| MMM | Mafic rock, undifferentiated |

| Code | Description |
|------------------------------------|---|
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| UUU | Ultramafic rock (undiff) |
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| PFS | Felsic Schist |
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| PMB | Marble |
| PMS | Mafic Schist |
| PPY | Phyllite |
| PSL | Slate |
| SAR | Argillities |
| PSP | Serpentinite |
| PST | Schist (undiff) |
| PUS | Ultramafic Schist |
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| Metamorphic: Med-High Grade | |
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| PEO | Eclogite |
| PGN | Gneiss |
| PGR | Mafic Granulite |
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| PMG | Migmatite |
| PQZ | Quartzite |
| PSK | Skarn |
| Deformation | |
| PLI | Cataclasite |
| PMY | Mylonite |
| PIG | Fault gouge |
| PFB | Fault breccia |
| Hydrothermal - Breccia | |
| ZBH | Breccia, hydrothermal |
| Hydrothermal - Sulphide | |
| ZMS | Massive sulphide |
| Hydrothermal - Veins | |
| ZVN | Massive vein (undiff) |
| ZQC | Quartz carbonate vein |
| ZQB | Quartz vein |
| No Return | |
| NRL | No return - loss (material was drilled but was washed or ground away) |
| NRC | No return - cavity (undefined) |
| NKW | No return - workings (encountered non-natural/man made cavity) |
| NKN | No return - natural (encountered natural/in-situ cavity) |
| Unknown | |
| AAA | Unknown |

TEXTURE -- FABRIC -- COLOUR -- GRAIN SIZE

| Texture | | | | | |
|---------|-------------------|------|-------------------|------|------------------|
| Code | Description | Code | Description | Code | Description |
| acum | adcumulate | gnc | gneissic | pbc | porphyroblastic |
| acy | accretionary | gpc | graphic | pcc | pyroclastic |
| adll | amygdaloidal | grb | granoblastic | pgc | pegmatitic |
| agl | agglomerate | grbg | graded bedding | pha | phaneritic |
| ahc | aphyric | grc | granitic | phc | porphyritic |
| amo | amorphous | grpc | granophyric | pic | pisolitic |
| ana | anastomosing | gtv | gritty | pil | pillow |
| ang | angular | hfc | hornfelsic | pmc | polymictic |
| anh | anhedral | hpz | hardpanized | ps | pseudomorph |
| aph | aphanitic | hyc | hyaloclastic | psa | poorly sorted |
| bdd | banded | ind | indurated | pum | pumiceous |
| bedd | bedded | int | interbedded | qe | quartz eye |
| blb | blebby | istl | interstitial | qut | quench texture |
| ble | bleached | knk | kinked | qx | quartz crystals |
| cbd | cross-bedded | ktd | knotted | rb | ribbon banded |
| ccry | concretionary | lcd | load-casted | rbly | rubbly |
| cct | cross-cutting | ld | laminated | rdd | rounded |
| cemd | cemented | ler | lenticular | rm | ripple marked |
| chmr | chilled margin | lind | lineated | rw | reworked |
| cons | consolidated | lpk | loose-packed | sca | scoured |
| csd | clast supported | ltd | laterised | scn | schlieren |
| cty | cherty | lyd | layered | smsv | semimassive |
| cub | cubic | mcd | mud-cracked | sptc | spherulitic |
| cul | cumulate | mcum | meosocumulate | sptx | spinifex texture |
| epi | epiclastic | mel | melanocratic | srd | sub-rounded |
| eqg | equigranular | mes | mesocratic | str | stringer |
| guh | guhedral | mon | monomictic | styc | stylolitic |
| fbd | flow banded | mot | mottled | sub | subhedral |
| fe | ferruginous | mso | moderately sorted | tp | tight-packed |
| fis | fissile | msv | massive | ts | tuffaceous |
| fls | flaser-structured | mxsd | matrix supported | unc | unconsolidated |
| fos | fossiliferous | nod | nodular | vlr | vesicular |
| fpz | feldspar zoned | ocum | orthocumulate | vtc | variolitic |
| frb | friable | oli | oligomictic | wld | welded |
| ftbx | flow top breccia | oo | oolitic | wso | well sorted |
| gbc | gabbroic | oph | ophitic | xec | xenolithic |
| gla | glassy | orb | orbicular | xle | crystalline |
| glr | granular | | | | |

| Regolith | | | | | |
|------------|-----------------------------|------------|------------------------|---------------|---------------------|
| Code | Description | Code | Description | Code | Description |
| Residual | | DHA | Hardpan | TEL | Eluvium |
| REL | Eluvium | DIS | Ironstone | TSL | Soil (transported) |
| RCL | Clay, residual | DLT | Laterite | TBS | Black Soil |
| RSL | Soil, residual | DMG | Magnesite | TLM | Loam |
| RGO | Gossan | DSI | Silcrete | TSN | Sand |
| RSO | Saprolite, Undifferentiated | Overburden | | TGV | Gravel |
| | | TAL | Alluvium | TRB | Rubble |
| RUS | Saprolite, Upper | TDI | Diluvium / Sheetwash | TIR | Ironstone Lag |
| RUM | Saprolite, Upper Mottled | TCL | Colluvium | TLD | Lithic Detritus |
| RUP | Saprolite, Upper Pallid | TAE | Aeolian | TOM | Organic Matter |
| RSR | Saprock | TPE | Playa / Evaporite | TCY | Clay (Not residual) |
| RLO | Saprolite, Lower | | Deposits | Contamination | |
| Duricrusts | | TGT | Glacial Till | CPT | Drill Pad Tails |
| DCA | Calcrete | TFL | Fluvial | Unknown | |
| DFC | Ferricrete | TFP | Overbank / Flood Plain | RRR | Unknown |
| DGP | Gypcrete | | Sediment | | |

| Colour Code | | Colour Shade | |
|-------------|-------------------------------|-------------------------------|------------------------------|
| Code | Description | Code | Description |
| bg | Blue Green | bt | brilliant |
| bk | Black | d | dark |
| bl | Blue | lht | light |
| br | Brown | med | medium |
| cw | Cream | medd | medium dark |
| gb | Greyish Brown | mlht | medium light |
| gg | Green Grey | p | pale |
| gr | Green | vd | very dark |
| gy | Grey | vlht | very light |
| kh | Khaki | vp | very pale |
| mo | Maroon | | |
| og | Olive Green | Stratigraphy | |
| ok | Ochre | Code | Description |
| or | Orange | MBC | Catrock (porphyritic basalt) |
| pk | Pink | MDG | Magnetic Dolerite |
| pr | Pink Red | OGC | Ophitic Gabbro |
| pu | Purple | SSF | Fish Eye Sandstone |
| rb | Red-Brown | CCB | Clay Chert Breccia |
| rd | Red | | |
| rg | Red Grey | Grain Size | |
| ta | Tan | Code | Description |
| wh | White | vfg | very fine grained |
| yb | Yellow Brown | fg | fine grained |
| ye | Yellow | fmg | fine to medium grained |
| yg | Yellow Green | mg | medium grained |
| yw | Yellow White | mcg | medium to coarse grained |
| | | cg | coarse grained |
| | | vcg | very coarse grained |
| Oxidation | | Surface Sampling - Morphology | |
| Code | Description | Code | Description |
| iox | Intensely oxidised | BS | Break Slope |
| sox | Strongly oxidised | MS | Mid-Slope |
| mox | Moderately oxidised | RD | Ridge |
| wmx | Weakly to moderately oxidised | VL | Valley Floor |
| wox | Weakly oxidised | | |
| nox | Not oxidised | | |

| Weathering | |
|------------|--|
| Code | Description |
| iwd | Intensely weathered. Rock is discoloured and changes to a soil but original fabric is mainly preserved. The properties of the soil depend on the nature of the parent rock. |
| swd | Strongly weathered. Rock is discoloured, defects may be open, clay rich and have discoloured surfaces, and the original fabric of the rock near to the defect may be altered. Alteration penetrates deeply inwards, but corestones are still present |
| mwd | Moderately weathered. Rock is discoloured, defects may be open and will have discoloured surfaces with alteration starting to penetrate inwards, intact rock is |
| wmd | Weakly to moderately weathered. |
| wwd | Weakly weathered. Rock may be slightly discoloured, particularly adjacent to defects, which may be open and will have slightly discoloured surfaces, the intact rock is not |
| nwd | Fresh. Parent rock shows no discoloration, loss of strength or any other weathering effects. |

MINERAL -- VEIN -- ALTERATION

| Mineral | | | | Mineralisation (sulphide+) | | Vein Type | | Vein Texture | | Alteration Code | |
|---------|------------------|------|----------------------|----------------------------|------------------|-----------------|---------------------------------|----------------------|----------------------|-----------------|----------------------|
| Code | Description | Code | Description | Code | Description | Code | Description | Code | Description | Code | Description |
| ab | albite | ka | kaolin | ag | Silver | VA | adularia | a | acicular | ab | albite |
| act | actinolite | kao | kaolinite | asp | arsenopyrite | VAU | gold vein | b | breccia | act | actinolite |
| adt | andalusite | ksp | potassium feldspar | au | gold | VB | biotite | c | colloform | adu | adularia |
| adu | adularia | lmt | limonite | az | azurite | VC | carbonate | cr | crustiform | ank | ankerite |
| alm | almandine garnet | lx | leucoxene | bo | bornite | VD | chloritoid | cx | crystals | ar | argillic |
| alu | alunite | mag | magnetite | bou | Boulangerite | VE | epidote | d | ghost bladed | ba | barite |
| amp | amphibole | man | manganese | cas | cassiterite | VF | feldspar | e | moss | bt | biotite |
| ank | ankerite | mas | magnesite | cc | chalcocite | VG | graphite | f | fibrous | c | carbonate |
| ant | anthophyllite | mh | maghemite | cp | chalcopyrite | VH | chalcedonic silica | g | sugary | cal | calcite |
| asb | asbestos | mi | mica | crc | chrysocolla | VI | silica | i | mosaic | cb | carbon |
| ba | barite | mus | muscovite | cu | copper | VL | chlorite | k | cockade | ch | chlorite |
| bt | biotite | non | nontronite | gl | galena | VO | other | l | banded | chd | chloritoid |
| c | carbonate | oln | olivine | gsd | Gersdorffite | VP | amphibole group minerals | m | comb | cy | clay |
| cal | calcite | op | opal | lol | loellingite | VQ | quartz | n | ribbon | ep | epidote |
| cb | carbon | opx | orthopyroxene | mal | malachite | VQA | quartz ankerite | o | other | f | feldspar |
| cdt | cordierite | phl | Phlogopite | marc | marcasite | VQAS | quartz ankerite with sulphides | p | spider | fe | ferruginous |
| cel | celadonite | plg | plagioclase feldspar | mo | molybdenite | VQC | quartz carbonate | pl | plumose | fu | fuchsite |
| ch | chlorite | pp | pyrophyllite | pn | pentlandite | VQCS | quartz carbonate with sulphides | r | replacement | g | graphite |
| chd | chloritoid | px | pyroxene | po | pyrrhotite | VQM | quartz microcrystalline | sty | stylolitic | goe | goethite |
| chy | chalcedony | q | quartz | pt | platinum | VQP | quartz pyrite | t | lattice bladed | hb | hornblende |
| cpx | clinopyroxene | ru | rutile | py | pyrite | VQS | quartz sulphide | u | irregular | hm | haematite |
| cr | chromite | sb | stibnite | sb | stibnite | VR | fluorite | v | vuggy | ill | illite |
| cy | clay | scl | scheelite | sce | Scheelite | VS | sericite | w | mold | ilm | ilmenite |
| dom | dolomite | scp | scapolite | sd | sulphide | VT | tourmaline | x | extensional | ksp | potassium feldspar |
| dp | diopside | sdt | siderite | sph | sphalerite | VU | sulphide | y | bucky | lmt | limonite |
| ep | epidote | ser | sericite | tels | tellurides | VUP | pyrite | z | zonal | lx | leucoxene |
| f | feldspar | si | silica | wf | wolframite | VW | scheelite | Alteration Style | | mag | magnetite |
| flu | fluorite | silm | sillimanite | Sulphide Texture | | VY | barite | Code | Description | man | manganese oxide |
| fu | fuchsite | sme | smectite | Code | Description | Vein Morphology | | bdd | banded | mas | magnesite |
| g | graphite | sp | serpentine | anh | anhedral | Code | Description | bedd | bedded | mh | maghemite |
| gah | gahnite | spn | sphene | bdd | banded | A | branched | ble | blebby | mi | mica |
| gnt | garnet | stl | staurolite | bedd | bedded | B | boudinaged | df | diffuse | mus | muscovite |
| goe | goethite | su | sulphide (primary) | blb | blebby | C | stringer veins | grad | gradational | plg | plagioclase feldspar |
| gp | gypsym | t | talc | bx | brecciated | D | discordant | mot | mottled | pp | pyrophyllite |
| ha | halite | tm | tremolite | cub | cubic | E | deflected | msv | massive | sau | saussuritic |
| hb | hornblende | tou | tourmaline | diss | disseminated | F | fracture/gash fill | opr | overprint | ser | sericite |
| hm | haematite | ze | zeolite | eqg | equigranular | G | sigmoidal | pat | patchy | si | silica |
| ill | illite | | | euh | euhedral | H | sheeted veins | perv | pervasive | sme | smectite |
| ilm | ilmenite | | | istl | interstitial | K | linkage | spo | spotty | sp | serpentine |
| jar | jarosite | | | ld | laminated | L | ladder veins | str | stringer | t | talc |
| | | | | mot | mottled | O | other/unclassified | sv | selvedge | tou | tourmaline |
| | | | | msv | massive | P | planar | Alteration Intensity | | trm | tremolite |
| | | | | mxsd | matrix supported | R | horsetail network | Code | Description | | |
| | | | | ps | pseudomorph | S | stockworks | 1 | Weakly developed | | |
| | | | | rdd | rounded | T | ptygmatic | 2 | Moderately developed | | |
| | | | | rw | reworked | W | wispy | 3 | Strongly developed | | |
| | | | | sptx | spinifex texture | X | shatter breccia | | | | |
| | | | | str | stringer | Y | Transposed | | | | |
| | | | | sub | subhedral | Z | Concordant | | | | |
| | | | | xle | crystalline | | | | | | |

STRUCTURE -- GEOTECH STRUCTURE -- HORIZON -- OBSTRUCTION -- TASK

| Structural Point Data | |
|-----------------------|----------------------------|
| Structure Type | |
| Code | Description |
| C | undifferentiated contact |
| CTB | bedding/lamination |
| CTI | intrusive contact |
| FNCG | gneissic banding |
| FNO | foliation (undiff) |
| FNS | foliation (S planes) |
| FC | shear foliation (C planes) |
| LX | intersection lineation |
| FA | fold axis |
| CA | crenulation axis |
| LM | mineral elongation |
| PD | fault plane |
| LD | slickensteps/fibers |
| LF | mineral fibres |
| VN | vein (undiff) |
| VNS | vein sulphide |
| LY | younging |
| JT | Joint |
| FNC | cleavage (undiff) |
| FNCH | crenulation cleavage |
| STY | stylolite |
| KB | kink band |
| BX | Breccia |

| Kinematics | |
|------------|---------------------------|
| Code | Description |
| LL | left lateral |
| N | normal |
| OND | oblique normal dextral |
| ONS | oblique normal sinistral |
| ORD | oblique reverse dextral |
| ORS | oblique reverse sinistral |
| R | reverse |
| RL | right lateral |
| UE | east up |
| UN | north up |
| US | south up |
| UW | west up |
| AAA | Unknown |

| Kinematic Indicator | |
|---------------------|------------------------|
| Code | Description |
| IDP | delta porphyroblast |
| IJD | jog dilation |
| ILD | slickensteps |
| ILF | mineral fibres |
| ILS | slickensides |
| IMF | mica fish |
| IPF | porphyroblast fracture |
| ISC | SC planes |
| ISP | sigma porphyroblast |
| IVE | enéchelon veins |
| IVF | folded veins |
| IVO | vein orientation |
| IVX | vein offset |
| ASM | Assymetric Boudins |

| GeotStr Device | |
|----------------|--------------------|
| Code | Description |
| CP | core map device |
| DP | Douglas Protractor |
| KE | kenometer |
| LP | Linear Protractor |
| RK | rocket launcher |

| Ori Confidence | |
|----------------|--------------------------------|
| Code | Description |
| GOOD | Good - solid line |
| MODERATE | Moderate-Long dash line |
| POOR | Poor - short dashed line |
| NONE | Completely unreliable: no line |

| Strctural Interval Data | |
|-------------------------|--------------------------|
| Fabric Desc | |
| Code | Description |
| folded | |
| fdd | folded (undiff) |
| drf | drag-folded |
| ofd | openly folded |
| pfd | ptygmatically folded |
| tfd | tightly folded |
| cfld | chevron folded |
| crd | crenulated |
| foliated | |
| fol | foliated (undiff) |
| Plf | Phyllitic Foliation |
| Scf | Schistose Foliation |
| Tnf | Transposed Foliation |
| Gnf | Gneissic |
| Cleaved | |
| clvd | Cleaved (undiff) |
| FNCC | Spaced cleavage |
| FNCP | Pencil cleavage |
| FNCS | Slaty cleavage |
| FNCH | crenulation cleavage |
| Faulted | |
| flt | Fault (undiff) |
| fbp | fault breccia (polymict) |
| fbm | Fault breccia (monomict) |
| fgo | Fault gouge |
| cat | Cataclastite |

| Sheared | |
|-------------------|----------------------------|
| FM | Mylonite |
| FS | Shear zone (undiff) |
| shf | Shear Foliation (C planes) |
| Brecciated | |
| bxd | Breccia (Undiff) |
| bxcR | Cracklle Breccia |
| bxm | Mozaic Breccia |
| bxch | Chaotic Breccia |
| Other | |
| ags | Augen structured |
| sld | Sickensided |
| un | Unconformity |
| bud | Boudinaged |
| jnt | Joint |
| JS | Joint Sets |
| ot | overturned |

| Fabric Intensity | |
|------------------|--------------------------------|
| Code | Description |
| 1 | Very weakly developed |
| 2 | Weakly to moderately developed |
| 3 | Moderately developed |
| 4 | Strongly developed |
| 5 | Intensley developed |

| Ori Line | |
|----------|--|
| Code | Description |
| BCC | Broken Core, No Orientation |
| FIX1 | Fixed by One Orientation Mark |
| FIX2 | Fixed by Two Orientation Marks |
| FIX3 | Fixed by Three Orientation Marks |
| FIX3+ | Fixed by Three or More Orientation Marks |
| NONE | No Orientation Possible |
| REL | No Ori Mark, Core lined up on foliation / layering |

| Ori Tool | |
|-----------|----------------------------|
| Code | Description |
| AceOri | AceOri Tool |
| Act II RD | Reflex Act II Rapid Decent |
| Ezy-Mark | Ezy-Mark spear |
| HQ Verti | HQ Verti-Ori |
| HQ3 Verti | HQ3 Verti-Ori |
| NQ2 Verti | NQ2 Verti-Ori |
| Spear | Spear |

| Rock Strength | |
|---------------|---|
| Code | Description |
| R0 | Very weak rock: May be broken in hand with difficulty |
| R1 | Weak rock: Cuts easily with a knife |
| R2 | Moderately weak rock: Difficult to cut with a knife - pick indents deeply |
| R3 | Moderately strong rock: Cannot be cut but a knife - pick indents to 5mm |
| R4 | Strong rock: Requires one hammer blow to break |
| R5 | Very strong rock: Requires several hammer blows to break |
| R6 | Extremely strong rock: Rings when hit with a hammer |
| X1 | Very soft soil: Easily penetrated several cm by fist |
| X2 | Soft soil: Easily penetrated several cm by thumb |
| X3 | Firm soil: Easily penetrated several cm by thumb |
| X4 | Stiff soil: Readily indented by thumb but penetrated only with great effort |
| X5 | Very stiff soil: Readily indented with thumb nail |

| No Defect Sets | |
|----------------|------------------------|
| Code | Description |
| 0 | Default |
| 0.5 | Random |
| 1 | One Set |
| 1.5 | One Set Plus Random |
| 2 | Two Sets |
| 2.5 | Two Sets Plus Random |
| 20 | Broken Zone |
| 3 | Three Sets |
| 3.5 | Three Sets Plus Random |
| 4 | Four Sets |

| Horizon | |
|----------------|-----------------------------|
| Code | Description |
| General | |
| BOT | Base of Transported Cover |
| REDOX | Reduction - Oxidation front |
| TOFR | Top of Fresh Rock |
| TOSR | Top of Sap Rock |
| WT | Water Table |

| Obs Type | |
|------------|----------------------------|
| Code | Description |
| BIT | Bit left in hole |
| CAS | Casing blocking hole |
| CAS_C12_40 | Class 12 40mm left in hole |
| CAS_C12_50 | Class 12 50mm left in hole |
| CAS_C9_40 | Class 9 40mm left in hole |
| CAS_C9_50 | Class 9 50mm left in hole |
| CEM | Cemented |
| ROD | Rods left in hole |

| Task | |
|-------|---------------------------------|
| Code | Description |
| ASD | Analytical Spectral Device |
| CHAN | Channel Sampled |
| DHSUR | Down hole directional survey |
| FARM | Bag Farmed |
| GEOL | Geological logging |
| GEOP | Down hole geophysical survey |
| GEOS | Structural logging |
| GEOT | Geotechnical logging |
| MARK | Core Markup |
| MSUS | Magnetic Susceptibility reading |
| ORNT | Orientation |
| PHOTO | Photographed |
| REHAB | Rehabilitated |
| SAMP | Sampled |
| SPGR | Specific Gravity Measurement |

SAMPLE

| Sample Type | |
|---------------------|--|
| Code | Description |
| Chip Samples | |
| CHIP-2SPL | Drill Chips: Riffle Split 25/75 ratio riffle splitter (2-tier) |
| CHIP-3SPL | Drill Chips: Riffle Split 12.5/87.5 ratio riffle splitter (3-tier) |
| CHIP-CONE | Drill Chips : Cone split samples |
| CHIP-GRB | Drill Chips : Grab Sample |
| CHIP-SHV | Drill Chips: Samples mixed and split with shovel |
| CHIP-SPR | Drill Chips : Scoop/spear sample |

| | |
|---------------------|------------------------------|
| Core Samples | |
| CORE-100 | Drill Core : Whole |
| CORE-25 | Drill Core : Quarter |
| CORE-50 | Drill Core : Half |
| CORE-75 | Drill Core : Three Quarters |
| CORE-SGR | Drill Core : Ped for SG test |
| CORE-SLV | Drill Core : Sliver |

| | |
|------------------|---|
| No Sample | |
| NS-LOSS | Not Sampled : Sample loss |
| NS-OB | Not Sampled : Overburden |
| NS-NAVI | Not sampled : Navigation Run |
| NS-SEL | Not Sampled : Not selected for geochem analysis |
| REF-Chip | Chip Sample (Blank) |
| REF-Pulp | Pulp Sample (CRM) |

| Sample Type - Rock | |
|---------------------------|---|
| Code | Description |
| NS-SEL | Not Sampled : Not selected for geochem analysis |
| REF-Chip | Reference Sample - Coarse Chips |
| REF-Pulp | Reference Sample - Prepared Pulp |
| ROCK-CCHIP | Rock: continuous chip sample |
| ROCK-CHAN | Rock: channel sample |
| ROCK-GRAB | Rock: grab sample |
| ROCK-RCHIP | Rock: random chip sample |
| ROCK-SCHIP | Rock: semi-continuous chip sample |

| Sample Type - Soil | |
|---------------------------|---|
| Code | Description |
| NS-SEL | Not Sampled : Not selected for geochem analysis |
| REF-Chip | Reference Sample - Coarse Chips |
| REF-Pulp | Reference Sample - Prepared Pulp |
| SOIL+2mm# | Soil : sieved +2 mm mesh fctn |
| SOIL+6mm# | Soil : sieved +6 mm mesh fctn |
| SOIL-140# | Soil : sieved -140 mesh fctn |
| SOIL-200# | Soil : sieved -200 mesh fctn |
| SOIL-2mm# | Soil : sieved -2 mm mesh fctn |
| SOIL-6mm# | Soil : sieved -6 mm mesh fctn |
| SOIL-80# | Soil : sieved -80 mesh fctn |
| SOIL-GRAB | Soil : grab sample |

| Sample Type - Stream | |
|-----------------------------|--|
| Code | Description |
| SSSED+2mm# | Stream sediment: sieved +2mm mesh fctn |
| SSSED-200# | Stream sediment: sieved -200 mesh fctn |
| SSSED-2mm# | Stream sediment: sieved -2mm mesh fctn |
| SSSED-80# | Stream sediment: sieved -80 mesh fctn |
| SSSED-GRAB | Stream sediment: grab sample |
| SSSED-PCON | Stream sediment: Pan Concentrate |

| Sample Recovery | |
|------------------------|------------------|
| Code | Description |
| 0 | Nothing Returned |
| 1 | 0 - 25% |
| 2 | 25 - 50% |
| 3 | 50 - 75% |
| 4 | 75 - 90% |
| 5 | 90 - 100% |

| Sample Group | |
|---------------------|---------------------------|
| Code | Description |
| ALPHA | First sample for Interval |
| CHECK | Check Sample |
| DUP | Duplicate Sample |
| REF | Reference Sample |

| Contamination | |
|----------------------|------------------|
| Code | Description |
| HIG | High >25% |
| LOW | Low <5% |
| MOD | Moderate 5-20% |
| NIL | No contamination |

| Moisture | |
|-----------------|-----------------|
| Code | Description |
| DAM | Damp / moist |
| DRY | Completely dry |
| FLH | High flow |
| FLL | Low flow |
| FLM | Moderate flow |
| WET | Wet / saturated |

| Composite | |
|------------------|-------------|
| Code | Description |
| Y | Yes |
| N | No |

| Sampler | |
|----------------|--------------------|
| Code | Description |
| BE | Brook Ekers |
| BK | Bernie Sostak |
| CS | Chris Sage |
| DA | Dale Annison |
| DB | Darren Bamford |
| GB | Graeme Bland |
| GM | Greg Mills |
| IF | Imogen Fielding |
| KMB | Kell Barnes |
| LS | Lesley Stokes |
| MR | Matthew Rolfe |
| NH | Besnik Himaj |
| NotListed | Detail in Comments |
| NR | Nathan Rae |
| PMT | Philip Tornatora |
| XML | XM Logistics |
| ZJ | Zoe Jackson |

| Standard ID | |
|--------------------|-------------------------------|
| Code | Description |
| BLNK_BB01 | Site Blank - Bunbury Basalt |
| BLNK_FS01 | Site Blank - Feldspar |
| BLNK_MD01 | Site Blank - Dolerite |
| BLNK_QZ01 | Site Blank - Quartz |
| G306-3 | Geostats G306-3 |
| G308-5 | Geostats G308-5 |
| G309-10 | Geostats G309-10 |
| G310-6 | Geostats G310-6 |
| G900-5 | Geostats G900-5 |
| G900-7 | Geostats G900-7 |
| G901-1 | Geostats G901-1 |
| G901-7 | Geostats G901-7 |
| G904-1 | Geostats G904-1 |
| G905-1 | Geostats G905-1 |
| G905-7 | Geostats G905-7 |
| G908-5 | Geostats G908-5 |
| G909-1 | Geostats G909-1 |
| G909-10 | Geostats G909-10 |
| G910-10 | Geostats G910-10 |
| G997-3 | Geostats G997-3 |
| GLG305-1 | Geostats GLG305-1 |
| GLG307-4 | Geostats GLG307-4 |
| GLG901-2 | Geostats GLG901-2 |
| GLG907-1 | Geostats GLG907-1 |
| HiSiIP1 | Rocklabs HiSiIP1 |
| OREAS 45d | OREAS 45d |
| OREAS 45e | OREAS 45e |
| OREAS 903 | OREAS 903 |
| OREAS-12a | OREAS-12a |
| OREAS-22c | OREAS-22c |
| OREAS-2Pd | OREAS-2Pd |
| OREAS-6Pc | OREAS-6Pc |
| OxG83 | Rocklabs OxG83 |
| OxK79 | Rocklabs OxK79 |
| OxK94 | Rocklabs OxK94 |
| SE44 | Rocklabs SE44 |
| SE58 | Rocklabs SE58 |
| SG56 | Rocklabs SG56 |
| SH55 | Rocklabs SH55 |
| Si54 | Rocklabs Si54 |
| SJ53 | Rocklabs SJ53 |
| SK62 | Rocklabs SK62 |
| SL61 | Rocklabs SL61 |
| XXX | NotListed - please notify DBA |

| SG Density Method | |
|--------------------------|-----------------|
| Code | Description |
| PY | Pycnometer |
| WI | Water Immersion |
| WX | Wax |