# Ferrowest Logging Codes

| **Transported** | | **Mafic** | | **Sedimentary** | |
|---|---|---|---|---|---|
| **Ta** | Alluvium | **M** | Mafic (undifferentiated) | **S** | Sediment (undifferentiated) |
| **Tc** | Colluvium | **MM** | Mafic Magnetite | **Sp** | Pelite (mudstone or siltstone) |
| **Tp** | Playa/lake sediments | **Mb** | Basalt | **Ss** | Sandstone |
| **Tw** | Sheetwash sediments | **Mbm** | High-mg basalt | **Ssa** | Arkose |
| **Te** | Eluvial sediments | **Mbt** | Tholeitic basalt | **Sw** | Wacke |
| **To** | Aeolian sands | **Mbk** | Komatiitic basalt | **Sq** | Quartzite |
| **Ts** | Soils | **Md** | Dolerite | **Sh** | Shale |
| **Regolith** | | **Mdq** | Quartz dolerite | **Shb** | Black shale |
| **Lfc** | Canga | **Mg** | Gabbro | **Shc** | Carbonaceous shale |
| **Lkc** | Calcrete | **Ma** | Amphibolite | **Sc** | Chert |
| **Lks** | Silcrete | **Mh** | Hornblendeite | **Scg** | Conglomerate |
| **Lhs** | Hardpan silicified | **Mn** | Norite | **Sl** | Limestone |
| **Lhf** | Hardpan ferruginous | **Ultramafic** | | **Sd** | Dolomite |
| **Lrs** | Residual soil | **U** | Ultramafic (undifferentiated) | **Metamorphic** | |
| **Ll** | Laterite | **Upd** | Peridotite | **X____** | Schist (mineral qualifiers) only 2 major components |
| **Llp** | Pisolitic laterite | **Upx** | Pyroxenite | **Miscellaneous** | |
| **Lln** | Nodular laterite | **Uk** | Komatiite | **Go** | Gossan |
| **Lc** | Undifferentiated clay | **Ud** | Dunite | **P** | Massive sulphides (with mineral suffix eg pyrite Ppy) |
| **Lcg** | Goethitic clay (Weld Range) | **Us** | Serpentinite | **Bx** | Breccia |
| **Lp** | Pallid zone clays | **Utc** | Talc-carbonate rock | **FZ** | Fault gouge |
| **Lm** | Mottled zone clays | **Utk** | Talc-chlorite rock | **MY** | Mylonite zone |
| **Ls** | Saprolite | **Banded Iron Formations** | | **Qv** | Quartz vein |
| **Lsf** | Saprolite after felsic | **Bif** | Banded Iron Formation (undifferentiated) | **N/S** | No Sample |
| **Lsg** | Saprolite after granitoid | **Bij** | Jaspilite | **Vo** | Void/cavity |
| **Lsm** | Saprolite after mafic | **Bim** | Magnetite-BIF | | |
| **Lsd** | Saprolite after dolerite | **BIM_BX** | BIM Brecciated | | |
| **Lsu** | Saprolite after ultramafic | **Bic** | Banded chert | | |
| **Felsic (+Intermediate)** | | **BIC_BX** | BIC brecciated | | |
| **F** | Felsic (undifferentiated) | **Bih** | Haematite-BIF | | |
| **Fv** | Felsic volcanic (undiff) | **BIH_BX** | BIH Brecciated | | |
| **Fvr** | Rhyolite | **Big** | Goethite BIF | | |
| **Fvd** | Dacite | **Bmm** | Magnetite – Mafic BIF | | |
| **Fva** | Andesite | Bam | Mafic BIF cf magnetite | | |
| **Fvt** | Tuff | **Iron Formations** | | | |
| **Fg** | Granitoid (undifferentiated) | **I** | Iron oxide (undifferentiated) | | |
| **Fgm** | Monzogranite | **Im** | Magnetite | | |
| **Fgd** | Granodiorite | **IM_BX** | Brecciated massive M | | |
| **Fgs** | Syenite | **Imi** | Maghaemite | | |
| **Fga** | Aplite | **Ih** | Haematite | | |
| **Fgn** | Granitoid gneiss | **Ihs** | Specular haematite | | |
| **Fi** | Felsic intrusives (undiff) | Iho | Ocherous Haematite | | |
| **Fip** | Pegmatite | **Igh** | Goethite/Haematite | | |
| **Fp** | Felsic porphyry | **Ig** | Goethite | | |
| **Fpq** | Quartz porphyry | **Igo** | Ocherous Goethite(limonite) | | |
| **Fpf** | Feldspar porphyry | Ign | Botryodial Goethite | | |
| **Ftq** | Tuff (quartz eye) | Igv | Vitreous Goethite | | |
| **Fta** | Tuff ( Agglomerate T5 band) | **IM_CL** | Chlorite in magnetite | | |
| **Fd** | Diorite | **ICL_MT** | Magnetite in chlorite | | |

| **COLOUR** | |
|---|---|
| **L** | Light |
| **D** | Dark |
| **Bk** | Black |
| **Bl** | Blue |
| **Bn** | Brown |
| **Cr** | Cream |
| **Gn** | Green |
| **Gy** | Grey |
| **Ol** | Olive |
| **Or** | Orange |
| **Pk** | Pink |
| **Pu** | Purple |
| **Rd** | Red |
| **Tn** | Tan |
| **Wh** | White |
| **Ye** | Yellow |
| | |
| **GRAIN SIZE** | |
| **VF** | Very fine |
| **F** | Fine |
| **M** | Medium |
| **C** | Coarse |
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| **WEATHERING** | |
| **EW** | Extremely |
| **HW** | Highly |
| **MW** | Moderate |
| **SW** | Slightly |
| **F** | Fresh |
| **TEXTURE** | |
| **A** | Aphanitic |
| **Bo** | Botryoida |
| **Bw** | Boxwork |
| **Bx** | Brecciated |
| **Be** | Bedded |
| **B** | Banded |
| **Cr** | Crystalline |
| **Ea** | Earthy |
| **Eq** | Equigranular |
| **Eu** | Euhedral |
| **Fo** | Foliated W<br>Foliated M<br>Foliated S |
| **Fr** | Friable |
| **Gl** | Glassy |
| **Gr** | Gravely |
| **L** | Laminated |
| **M** | Massive |
| **My** | Mylonitic |
| **Oo** | Oolitic |
| **Pi** | Pisolitic |
| **Po** | Porphyritic |
| **Sa** | Sandy |
| **Sh** | Sheared |
| **Sp** | Spinifixed |
| **Su** | Sugary |
| **V** | Vuggy, Vesicular |

| **POROSITY** | |
|---|---|
| **H** | High |
| **M** | Moderate |
| **W** | Weak |
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| **MINERALS / ALTERATION** | |
| **Ab** | Albite |
| **Ac** | Actinolite |
| **Am** | Amphibole |
| **As** | Arsenopyrite |
| **Ba** | Barite |
| **Bi** | Biotite |
| **Cb** | Carbonate |
| **Cc** | Calcite |
| **Cl** | Chlorite |
| **Cp** | Chalcopyrite |
| **Cy** | Clay |
| **Dp** | Diopside |
| **Ep** | Epidote |
| **Fd** | Feldspar |
| **Fu** | Fuchsite |
| **Ga** | Garnet |
| **Gn** | Galena |
| **Go** | Goethite |
| **Gr** | Graphite |
| **Gp** | Gypsum |
| **Hb** | Hornblende |
| **He** | Haematite |
| **Ka** | Kaolinite |
| **Kf** | K-Feldspar |
| **Lm** | Limonite |
| **Ma** | Magnesite |
| **Mi** | Mica |
| **Mt** | Magnetite |
| **Mn** | Manganese |
| **Mu** | Muscovite |
| **No** | Nontronite |
| **Ol** | Olivene |
| **Oq** | Opaline Silica |
| **Pl** | Plagioclase |
| **Po** | Pyrrhotite |
| **Px** | Pyroxene |
| **Py** | Pyrite |
| **Qv** | Quartz (vein) |
| **Qz** | Quartz |
| **Se** | Sericite |
| **Si** | Silica |
| **Sp** | Sphalerite |
| **Sr** | Serpentine |
| **Ta** | Talc |
| **Tr** | Tremolite |
| **Sd** | Siderite |

| **MAGNETIC** | |
|---|---|
| **H** | High |
| **M** | Moderate |
| **W** | Weak |
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| **WATER** | |
| **D** | Dry |
| **M** | Moist |
| **W** | Wet |
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| **COMMENT** | |
| **BOA** | Base of Alluvials |
| **REDOX** | Redox Front |
| **BOCO** | Base of Complete Oxidation |
| **BOX** | Base of Oxidation Transitional / Fresh |
| **SOC** | Start of Core |
| **EOH** | End of Hole |
| | |
| **STRUCTURAL FEATURE** | |
| **B** | Banding |
| **Bd** | Bedding |
| Bx | Breccia |
| **Co** | Contact |
| **Cl** | Cleavage |
| **Cr** | Crenulation |
| **Fa** | Fault |
| **Fx** | Fold Axis |
| **Fo** | Foliation |
| **Jn** | Joint |
| **Sh** | Shear |
| **Sc** | Schistosity |
| **Vn** | Vein |
| **CHIP SHAPE** | |
| **VA** | Very angular |
| **AA** | Angular |
| **SA** | Sub Angular |
| **SR** | Sub Rounded |
| **RR** | Well Rounded |
| **HARDNESS** | |
| **VH** | Very Hard |
| **H** | Hard |
| **MH** | Moderately Hard |
| **M** | Medium |
| **MS** | Moderately Soft |
| **S** | Soft |
| **S-H** | Soft to Hard |
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