Fd Dacite Fg Granitoid Fgg Granite Fgn Gneiss Fp Felsic porphyry Fpp Pegmatite Fr Rhyolite Fs Syenite Fv Felsic volcanic Fva Felsic ash tuff Fvx Felsic crystal tuff I Undifferentiated intermediate rock Ia Andesite Id Diorite It Tonalite Im Monzonite Itf Ferruginous Zone Lfm Ferruginous Zone - Massive Lfn Ferruginous Zone - Pisolites Lm Mottled Clay Zone Ip Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qualifier Qa Alluvium c c clay Qc Colluvium s sand Qcal Calcrete I laterite Qrer Ferricrete p pisolite Grer Ferricrete p pisolite Si Cald Silcrete b b boulder Qc Quartz blow, large veins S Undifferentiated Sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Silate Srk Saprock Ss Sandstone St Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock XM Marble XM Quartzite XM Marble XM Quartzite XM Quartzite XM Quartzite XM Marble XM M	Code 1	Description 1	Code 2	Desc 2
Fd Dacite Fg Granitoid Fgg Granite Fgn Gneiss Fp Felsic porphyry Fpg Pegmatite Fr Rhyolite Fs Syenite Fv Felsic volcanic Fvi Felsic itithic tuff Fvx Felsic crystal tuff I Undifferentiated intermediate rock Ia Andesite Id Diorite It Tonalite Im Monzonite If Ferruginous Zone Lfm Ferruginous Zone - Massive Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qa Alluvium				7
Fg Granitoid				
Fgg Granite <				
Fign Gneiss Fp Felsic porphyry Fpg Pegmatite Fr Rhyolite Fs Syenite Fv Felsic volcanic FvI Felsic lithic tuff Fvx Felsic corystal tuff I Undifferentiated intermediate rock Ia Andesite Id Diorite It Tonalite Im Monzonite Lf Ferruginous Zone - Massive Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qualifier Qa Alluvium Qc Colluvium Qca Colluvium Qca Colluvium Qca Colluvium Qca Colluvium Qca Quartzite Qx Bandstone Qx Quartzite Qx Wacke Qx Breccia Qx Wacke Qx Breccia Qx Wacke Qx Dunite Qx Dunite Qx Dunite Qx Periodite Qx Dunite Qx Qx Periodite Qx Q				
Fp Felsic porphyry Fpg Pegmatite Fr Rhyolite Fs Syenite Fv Felsic volcanic FvI Felsic lithic tuff Fva Felsic ash tuff Fvx Felsic crystal tuff I Undifferentiated intermediate rock Ia Andesite Id Diorite It Tonalite Im Monzonite If Ferruginous Zone Ifm Ferruginous Zone - Massive Ifm Ferruginous Zone - Nodular Ifp Ferruginous Zone - Pisolites Im Mottled Clay Zone Ipp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qualifier Qa Alluvium c c clay Qa Colluvium s sand Qcal Calcrete I laterite Ofer Ferricrete Qr Residual Soil g gravel Qxil Silcrete Qx Quartz blow, large veins S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Silate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Und Durite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Fpg Pegmatite Fr Rhyolite Fr Rhyolite Fr Syenite Fv Felsic volcanic FvI Felsic lithic tuff Fva Felsic ash tuff Fvx Felsic cary stal tuff I Undifferentiated intermediate rock Ia Andesite Id Diorite It Tonalite Im Monzonite Lf Ferruginous Zone Lfm Ferruginous Zone - Massive Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qa Alluvium				
Fr Rhyolite Fs Syenite Fv Felsic volcanic FvI Felsic lithic tuff Fva Felsic ash tuff Fvx Felsic crystal tuff I Undifferentiated intermediate rock Ia Andesite Id Diorite It Tonalite Im Monzonite Lf Ferruginous Zone Lfm Ferruginous Zone - Massive Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qa Alluvium Ca Colluvium Ca Colluvium S sand Calcrete Qre Ferricrete Perricrete Perricrete Qre Residual Soil Qualt Silcrete Qz Quartz blow, large veins S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undiffereliated metamorphic rock Xa Amphibolite Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Fs Syenite Fv Felsic volcanic Fv1 Felsic lithic tuff Fv2 Felsic cash tuff Fv3 Felsic crystal tuff I Undifferentiated intermediate rock Ia Andesite Id Diorite It Tonalite Im Monzonite If Ferruginous Zone Iff Ferruginous Zone - Massive Iff Ferruginous Zone - Nodular Ifp Ferruginous Zone - Nodular Ifp Ferruginous Zone - Pisolites Im Mottled Clay Zone Ipp Pallid (bleached clay) Zone Im Undifferentiated mafic rock Im Basalt Im Moduled Clay Zone In Qualifier Im Mottled Clay Zone In Qualifier Im Mottled Clay Zone In Diorite In Diorite Im Mottled Clay Zone In Diorite In				
Fv Felsic volcanic Fv1 Felsic lithic tuff Fv2 Felsic ash tuff Fvx Felsic crystal tuff I Undifferentiated intermediate rock Ia Andesite Id Diorite It Tonalite Im Monzonite If Ferruginous Zone Ifm Ferruginous Zone - Massive Ifn Ferruginous Zone - Nodular Ifp Ferruginous Zone - Pisolites Im Mottled Clay Zone Ifp Ferruginous Zone - Pisolites Im Mottled Clay Zone Ifp Pallid (bleached clay) Zone Iff Molerite Iff Gabbro Identiferentiated mafic rock Iff Gabbro Identiferentiated mafic rock Iff Gabbro Identiferentiated mafic rock Indifferentiated			-	
FVI Felsic lithic tuff Fva Felsic ash tuff Fvx Felsic carystal tuff I Undifferentiated intermediate rock Ia Andesite Id Diorite It Tonalite Im Monzonite If Ferruginous Zone Iff Ferruginous Zone - Massive Iff Ferruginous Zone - Nodular Ifp Ferruginous Zone - Pisolites Im Mottled Clay Zone Ipp Pallid (bleached clay) Zone Imp Molifferentiated mafic rock Imp Molifferentiated Inp				
Fva Felsic ash tuff Fvx Felsic crystal tuff I Undifferentiated intermediate rock Ia Andesite Id Diorite It Tonalite Im Monzonite Lf Ferruginous Zone Lfm Ferruginous Zone - Massive Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qa Alluvium Qc Colluvium Qc Colluvium Qcal Calcrete I laterite Qfer Ferricete Qr Residual Soil Qsil Silcrete Qz Quartz blow, large veins S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Fvx Felsic crystal tuff I Undifferentiated intermediate rock la Andesite ld Diorite lt Tonalite lm Monzonite Lf Ferruginous Zone Lfm Ferruginous Zone - Massive Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qualifier Qa Alluvium c c clay Qc Colluvium s sand Qcal Calcrete l l laterite Qfer Ferricrete p p pisolite Qr Residual Soil g gravel Qcill Silcrete b b boulder Qz Quartz blow, large veins S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock XA Amphibolite XM Marble XM Phyllite (sericite schist) XQ Quartzite		·		
I Undifferentiated intermediate rock la Andesite ld Diorite lt Tonalite lm Monzonite lf Ferruginous Zone lfm Ferruginous Zone - Massive lfm Ferruginous Zone - Nodular lfp Ferruginous Zone - Pisolites lm Mottled Clay Zone - Pisolites lm Mottled Clay Zone lp Pallid (bleached clay) Zone lp Pallid (bleached clay) Zone lp Qualifier l				
Id Andesite Id Diorite It Tonalite Im Monzonite Lf Ferruginous Zone Lfm Ferruginous Zone - Massive Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qa Colluvium Qc Colluvium Qc Colluvium Qcal Calcrete I Qr Residual Soil g Qr Residual Soil g Qr Residual Soil g Qr Residual Soil g Qsil Silcrete b Doulder b Sap saprolite (weathered bedrock) s Sct Chert s Shale s Sif Sedimentary iron formation (BIF) s Sl			-	
Id Diorite It Tonalite It Tonalite Im Monzonite Lf Ferruginous Zone - Massive Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qualifier Qa Alluvium Qc Colluvium Qc Colluvium Qc Colluvium Qc Residual Soil Qgil Silcrete Qr Residual Soil Qsil Silcrete Qz Quartz blow, large veins Qc Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite	•	<u> </u>		
It Tonalite Im Monzonite Lf Ferruginous Zone Lfm Ferruginous Zone - Massive Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qa Alluvium Qc Colluvium Qc Colluvium Qc Colluvium Qc Colluvium Qcal Calcrete Qr Residual Soil Qsil Silcrete Qz Quartz blow, large veins Quartz blow, large veins S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Im Monzonite Lf Ferruginous Zone Lfm Ferruginous Zone - Massive Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qa Alluvium C Clay Qc Colluvium s Sand Caclerete I laterite Qfer Ferricrete p pisolite Qr Residual Soil g gravel Qsil Silcrete b boulder Qz Quartz blow, large veins s S S Undifferentiated sedimentary rock Saps saprolite (weathered bedrock) s Sct Chert Sh Shale Sh Shale Saltes Srk Saprock s Sa Sandstone s St Sil		ļ		
Lf Ferruginous Zone Lfm Ferruginous Zone - Massive Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qa Alluvium Qc Colluvium Qc Colluvium Qc Calcrete Qfer Ferricrete Qfer Ferricrete Qr Residual Soil Qr Quartz blow, large veins Superpoint (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xp Phyllite (sericite schist) Xm Marble Xp Phyllite (sericite schist) Xn Quartzite	····			
Lfm Ferruginous Zone - Massive Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qualifier Qa Alluvium c c clay Qc Colluvium s sand Qcal Calcrete I laterite Qfer Ferricrete p pisolite Qr Residual Soil g gravel Qsil Silcrete b boulder Qz Quartz blow, large veins S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Marble Xp Phyllite (sericite schist) Xm Marble Xp Phyllite (sericite schist) Xq Quartzite		3		
Lfn Ferruginous Zone - Nodular Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qualifier Qa Alluvium c c clay Qc Colluvium s sand Qcal Calcrete I laterite Qfer Ferricrete p pisolite Qr Residual Soil g gravel Qsil Silcrete b b boulder Qz Quartz blow, large veins S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Lfp Ferruginous Zone - Pisolites Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qualifier Qa Alluvium c c clay Qc Colluvium s sand Qcal Calcrete I laterite Qfer Ferricrete p pisolite Qr Residual Soil g gravel Qsil Silcrete b boulder Qz Quartz blow, large veins S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist XM Marble Xp Phyllite (sericite schist) Xq Quartzite				
Lm Mottled Clay Zone Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qa Alluvium Qc Colluvium Qc Colluvium Qc Calcrete Qr Residual Soil Qsil Silcrete Qz Quartz blow, large veins S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist XX Undifferentiated metamorphic rock XA Amphibolite Xp Phyllite (sericite schist) Xq Quartzite	Lfn			
Lp Pallid (bleached clay) Zone M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qualifier Qa Alluvium c c clay Qc Colluvium s sand Qcal Calcrete I laterite Qfer Ferricrete p pisolite Qr Residual Soil g gravel Qsil Silcrete b b boulder Qz Quartz blow, large veins S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite	Lfp	Ferruginous Zone - Pisolites		
M Undifferentiated mafic rock Mb Basalt Md Dolerite Mg Gabbro Qa Alluvium Qc Colluvium Qcal Calcrete Qcal Calcrete Qcal Calcrete Qcal Calcrete Qcal Calcrete Qcal Perricrete Qcal Perricrete Qcal Qalatrite Qcal Calcrete Qcal Qalatrite Qcal Qalatrite Qcal Qualifier Qcal Qualifier Qcal Qualifier Qcal Qualifier Qcal Qual Qcal Qcal Qcal Qcal Qcal Qcal Q	Lm	Mottled Clay Zone		
Mb Basalt	Lp	Pallid (bleached clay) Zone		
Md Dolerite Mg Gabbro Qualifier Qa Alluvium c clay Qc Colluvium s sand Qcal Calcrete I laterite Qfer Ferricrete p pisolite Qr Residual Soil g gravel Qsil Silcrete b boulder Qz Quartz blow, large veins g gravel Qz Quartz blow, large veins g gravel S Undifferentiated sedimentary rock g saprock Sap saprolite (weathered bedrock) g g Sct Chert g saprolite (weathered bedrock) g saprock g St Shale saprock g saprock g saprock s	M	Undifferentiated mafic rock		
Mg Gabbro Qa Alluvium Qc Colluvium Qc Colluvium Qc Calcrete Qc Colluvium Qc Calcrete Qc Calcrete Qc Ferricrete Qfer Ferricrete Qr Residual Soil Qc Quartz blow, large veins Qc Quartzite Qc Quartzite Qc Quartzite Qc Quartzite Qc Qualtzite Qc Q	Mb	Basalt		
Qa Alluvium c clay Qc Colluvium s sand Qcal Calcrete I laterite Qfer Ferricrete p pisolite Qr Residual Soil g gravel Qsil Silcrete b boulder Qz Quartz blow, large veins s S Undifferentiated sedimentary rock sap saprolite (weathered bedrock) Sct Chert sap saprolite (weathered bedrock) Sct Chert sap saprolite (weathered bedrock) Sif Sedimentary iron formation (BIF) Slate saprock saprock Ss Sandstone sandstone St Siltstone saprock Sw Wacke saprock Sx Breccia undifferentiated UM rocks U Undifferentiated UM rocks undifferentiated Ub Peridotite saprock Us Serpentinite saprock Xa Undifferentiated metamorphic rock Xa Amphibolite <	Md	Dolerite		
Qa Alluvium c clay Qc Colluvium s sand Qcal Calcrete I laterite Qfer Ferricrete p pisolite Qr Residual Soil g gravel Qsil Silcrete b boulder Qz Quartz blow, large veins s S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) s Sct Chert Sh Shale Shale Sif Shale Ss Salate Saprock Saprock Ss Sandstone St Siltstone St Siltstone St Siltstone St Siltstone St Substitute St Undifferentiated UM rocks	Ma	Gabbro	Qualifier	
Qc Colluvium s sand Qcal Calcrete I laterite Qfer Ferricrete p pisolite Qr Residual Soil g gravel Qsil Silcrete b boulder Qz Quartz blow, large veins s S Undifferentiated sedimentary rock s Sap saprolite (weathered bedrock) s Sct Chert s Sh Shale s Sif Sedimentary iron formation (BIF) s SI Slate s Srk Saprock s Ss Sandstone s St Siltstone s Sw Wacke s Sx Breccia u U Undifferentiated UM rocks u Ud Dunite u Up Peridotite u Us Serpentinite u Utc Talc Chlorite Schist x Xa Amphibolite <t< td=""><td></td><td></td><td></td><td>clav</td></t<>				clav
Ofer Ferricrete p pisolite Qr Residual Soil g gravel Qsil Silcrete b boulder Qz Quartz blow, large veins s S Undifferentiated sedimentary rock s Sap saprolite (weathered bedrock) s Sct Chert s Sh Shale s Sif Sedimentary iron formation (BIF) s SI Slate s Srk Saprock s Ss Sandstone s St Siltstone s Sw Wacke s Sx Breccia s U Undifferentiated UM rocks s Ud Dunite s Up Peridotite s Us Serpentinite s Utc Talc Chlorite Schist s X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble	Qc	Colluvium		
Ofer Ferricrete p pisolite Qr Residual Soil g gravel Qsil Silcrete b boulder Qz Quartz blow, large veins s S Undifferentiated sedimentary rock s Sap saprolite (weathered bedrock) s Sct Chert s Sh Shale s Sif Sedimentary iron formation (BIF) s SI Slate s Srk Saprock s Ss Sandstone s St Siltstone s Sw Wacke s Sx Breccia s U Undifferentiated UM rocks s Ud Dunite s Up Peridotite s Us Serpentinite s Utc Talc Chlorite Schist s X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble		<u></u>	+	
Qr Residual Soil g gravel Qsil Silcrete b boulder Qz Quartz blow, large veins s S Undifferentiated sedimentary rock s Sap saprolite (weathered bedrock) s Sct Chert s Sh Shale s Sif Sedimentary iron formation (BIF) s SI Slate s Srk Saprock s Ss Sandstone s St Siltstone s Sw Wacke s Sx Breccia u U Undifferentiated UM rocks u Ud Dunite u Up Peridotite u Us Serpentinite u Utc Talc Chlorite Schist x X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quart		 		
Qsil Silcrete b boulder Qz Quartz blow, large veins b boulder S Undifferentiated sedimentary rock saprolite (weathered bedrock) s Sct Chert s s Sh Shale s Sif Sedimentary iron formation (BIF) s SI Slate s Srk Saprock s Ss Sandstone s St Siltstone s Sw Wacke s Sx Breccia u U Undifferentiated UM rocks u Ud Dunite u Up Peridotite u Us Serpentinite u Utc Talc Chlorite Schist x X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite	~~~~	\$		
Qz Quartz blow, large veins S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite		ļ	1.	
S Undifferentiated sedimentary rock Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Sap saprolite (weathered bedrock) Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Sct Chert Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite	~~~~			
Sh Shale Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Sif Sedimentary iron formation (BIF) SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
SI Slate Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Srk Saprock Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Ss Sandstone St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
St Siltstone Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite		· · · · · · · · · · · · · · · · · · ·		
Sw Wacke Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite		·		
Sx Breccia U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite	~~~~			
U Undifferentiated UM rocks Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Ud Dunite Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Up Peridotite Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Us Serpentinite Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite	~~~~			
Utc Talc Chlorite Schist X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
X Undifferentiated metamorphic rock Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite				
Xa Amphibolite Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite	~~~			
Xh Hornfels Xm Marble Xp Phyllite (sericite schist) Xq Quartzite		Undifferentiated metamorphic rock		
Xm Marble Xp Phyllite (sericite schist) Xq Quartzite	Xa	Amphibolite		
Xp Phyllite (sericite schist) Xq Quartzite	Xh	Hornfels		
Xq Quartzite	Xm	Marble		
Xq Quartzite	Хр	Phyllite (sericite schist)		
17.7 (IVITIONICO	Xy	Mylonite		
Unk Unknown				1