

APPENDIX 1: MASTER LIST OF LEGENDS FOR LITHOLOGY, SWIR AND TIR

SWIR mineral legend

Dickite	Dickite	Muscovite	Dickite
Kaolinite-PX	Kaolinite-PX	Paragonite	Kaolinite-WX
Kaolinite-WX	Kaolinite-WX	Phengite	Muscovite
Muscovite	Muscovite	Montmorillonite	Paragonite
Paragonite	Paragonite	Prehnite	Phengite
Phengite	Phengite	Chlorite-FeMg	Diaspore
Diaspore	Montmorillonite	Chlorite-Mg	Prehnite
Prehnite	Prehnite	Biotite	Pyrophyllite
Pyrophyllite	Chlorite-Fe	Phlogopite	Chlorite-Fe
Chlorite-Fe	Chlorite-FeMg	Actinolite	Chlorite-FeMg
Chlorite-FeMg	Chlorite-Mg	Hornblende	Chlorite-Mg
Chlorite-Mg	Biotite	Serpentine	Biotite
Biotite	Actinolite	Talc	Hornblende
Actinolite	Hornblende	Calcite	Ankerite
Hornblende	Tourmaline-Fe	Dolomite	Calcite
Tourmaline-Fe	Siderite	Gypsum	Gypsum
Calcite	Calcite	Muscoviticllite	Muscoviticllite
Muscoviticllite	Muscoviticllite	Paragoniticllite	Paragoniticllite
Paragoniticllite	Paragoniticllite	Phengiticllite	Phengiticllite
Phengiticllite	Phengiticllite	Aspectral	Aspectral
Aspectral	Aspectral		

## TIR mineral legend

Quartz	Quartz	Quartz	Quartz	Quartz
Microcline	Microcline	Microcline	Microcline	Microcline
Orthoclase	Orthoclase	Orthoclase	Orthoclase	Orthoclase
Albite	Albite	Albite	Albite	Albite
Labradorite	Andesine	Bytownite	Anorthite	Labradorite
Andesine	Oligoclase	Labradorite	Bytownite	Andesine
Oligoclase	Almandine	Andesine	Labradorite	Oligoclase
Almandine	Kaolinite-WX	Oligoclase	Andesine	Augite
Kaolinite-WX	Muscovite	Almandine	Oligoclase	Hedenbergite
Muscovite	Phengite	Spessartine	Almandine	Enstatite
Phengite	Montmorillonite	Augite	Spessartine	Kaolinite-PX
Montmorillonite	Pyrophyllite	Muscovite	Augite	Kaolinite-WX
Prehnite	Chlorite-FeMg	Phengite	Kaolinite-PX	Muscovite
Pyrophyllite	Biotite	Montmorillonite	Kaolinite-WX	Phengite
Chlorite-Fe	Actinolite	Prehnite	Muscovite	Montmorillonite
Chlorite-FeMg	Hornblende	Chlorite-Fe	Phengite	Prehnite
Biotite	Calcite	Chlorite-FeMg	Prehnite	Pyrophyllite
Actinolite	Barite	Biotite	Pyrophyllite	Chlorite-Fe
Edenite	Gypsum	Actinolite	Chlorite-Fe	Chlorite-FeMg
Hornblende	Apatite	Hornblende	Chlorite-FeMg	Biotite
Antigorite		Anthophyllite	Biotite	Actinolite
Siderite		Gedrite	Hornblende	Hornblende
Calcite		Antigorite	Anthophyllite	Anthophyllite
Jarosite		Talc	Calcite	Gedrite
		Calcite	Barite	Ankerite
		Gypsum	Gypsum	Calcite
		Aspectral	Jarosite	Gypsum
				Hematite
				Magnetite
				Aspectral

## Lithology legend

NoCore	sandstone	sand	sandstone
sandstone	pelite	sandstone	pelite
conglomerate	quartz breccia	conglomerate	amphibolite
pelite	dolerite	dolerite	schist
schist	schist	pelite	psammite
amphibolite	granodiorite	quartzite	dolerite
psammite		amphibolite	granodiorite
		semipelite	pegmatite
		granodiorite gneiss	
			psammite
			phyllite