

# Explanatory Notes for GDM Plots

Section	Column	Description	Colour or Symbol	Parameter
<b>Lithology</b>	<b>RTQ</b>	Rock Type Qualifiers		
<b>Alteration</b>	<b>2He etc.</b>	1,2 & 3 prefix refers to weak, moderate & strong		
	<b>Histogram</b>	Refers to % of Interval affected by alteration		
<b>Structure</b>	<b>Li, He etc</b>	Unilog codes for limonite & hematite fractures		
	<b>symbols</b>	angle to core axis plotted as histograms	Red dots	moderate intensity
			Black dots	strong intensity
			line segments	weak intensity
<b>Geochemistry</b>	<b>LREE</b>	Light Rare Earth Elements	Red	Ce
			Light green	Eu
			Yellow	La
			Blue	Nd
			Grey	Pr
			Blue green	Sm
	<b>HREE</b>	Heavy Rare Earth Elements	Green	Gd
			Cyan	Tb
			Red	Dy
			Purple	Ho
			Blue	Er
			Fushia	Tm
<b>PIMA TSG</b>	<b>TSA</b>	Classification by TSA	Yellow	Illite,Muscovite,Paragonite,Phengite
			Green	Mg-, Intermediate and Fe-Chlorite
			Blue	Kaolinite
			Fushia	Dickite
			Grey	Halloysite
	<b>Chlorite Gp</b>	Classification by TSA	Light green	Intermediate Chlorite
			Green	Magnesium Chlorite
			Black	Fe-Chlorite
	<b>Sericite Gp</b>	Classification by TSA	Yellow	Illite
			Green	Phengite
			Blue	Paragonite
			Red	Muscovite
	<b>TSA Error</b>	Quality of spectras; high numbers >300 are generally poor		
	<b>Major TSA</b>	Classification by TSA	Black	Biotite
			Silver	Gypsum
			Red	Phlogopite 1
			Yellow	Phlogopite 2
			Light blue	Opal
			Fushia	Nacrite
			Blue	Calcite
			Green	Dolomite
			Brown	Montmorillonite
	<b>Exotic Gp</b>	Classification by TSA	Light green	Epidote
			Green	Actinolite
			Fushia	Pyrophyllite
			Blue-green	Serpentine
			Silver	Talc
			Grey	Tremolite
			Blue	Nontronite
<b>PIMA MINSPEC</b>	<b>MINSPEC</b>	Classification by Minspec	Yellow	Illite
			Light green	Chlorite
			Fushia	Dickite
			Blue	Kaolinite
			Grey	Halloysite
	<b>S2N</b>	Signal to noise ratio; number below 5 is generally poor		