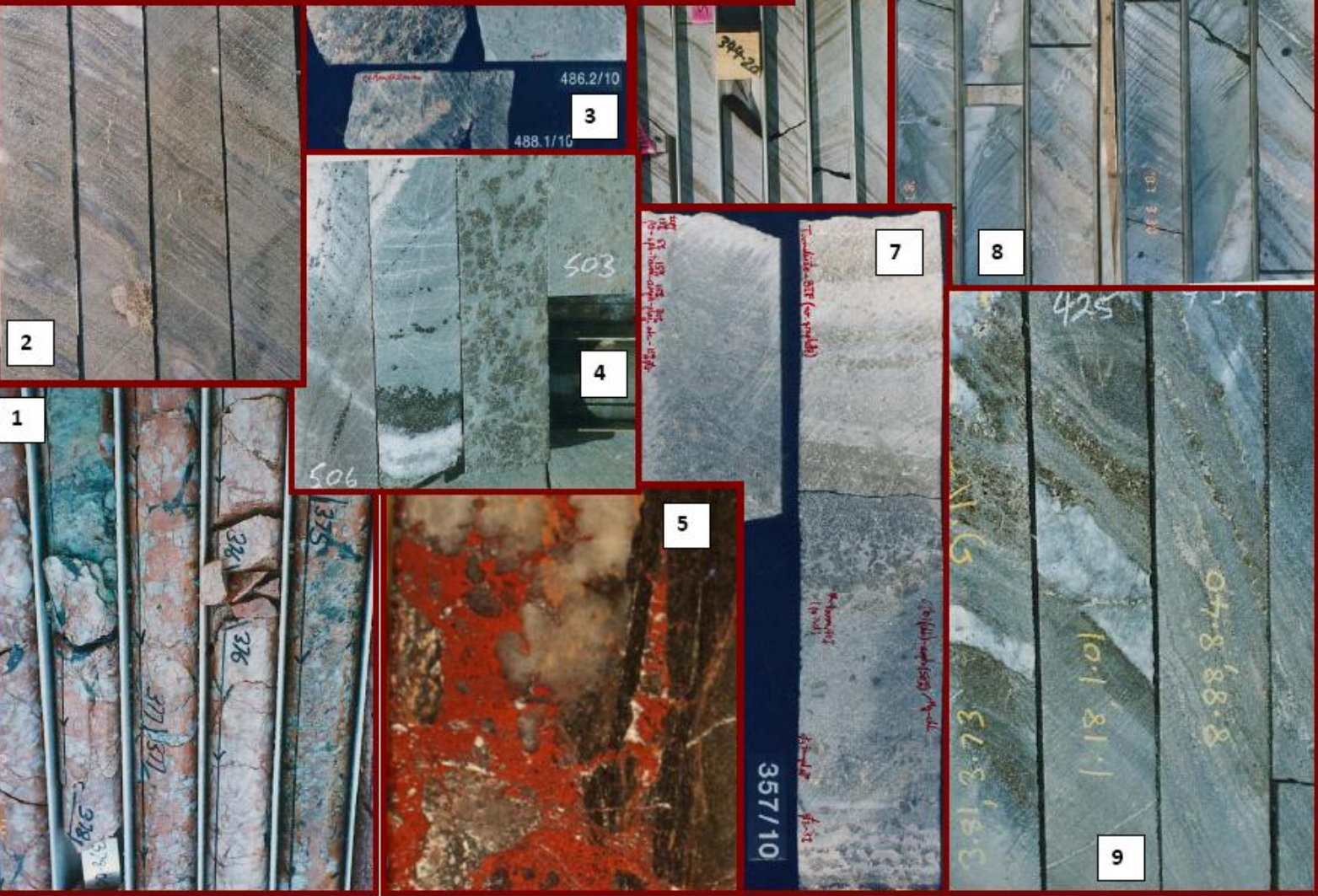


**Selected lithologies from the Fenton-Blue Ant Shear Zone**

1-Cullen Batholith 2- 60% pyrrhotitic BIF 3- cpx-Zn- Cpx skarn 4- later generations of tourmaline 5- hematite , 6-7-8- tourmaline bands. 9- tourmaline-gold bands



The main lithologies illustrated above from the Fenton drilling are;

- 1- potassium rich granite and pegmatites (they may contain modest fluorite and REE) ,and may have been responsible for the basemetal-arsenopyrite-gold skarn in photo 3 .
- 2- is an example of the extensive pyrrhotite horizons –ubiquitous to the Koolpin Formation.
- 3- Skarn 6-7-8-9 illustrates some of the tourmalinite horizons which generally

comprise 10s of meters of tourmaline rich bands with or without variable degrees of Ironstone. In image 9 the black tourmaline bands are coexisting intimately with pyrrhotite and gold. The image 5 shows very ocherous hematite that crosscuts and postdates sedimentary formations, exhalites and nodular quartz. We know from Cosmo-Howley that there can be an association of ruby and steely specular hematite with a late gold phase.

**The OreFull Mineral Texture Atlases Volume 43-5 : Blue Ant Lithologies regional anticline .**

