METHODS
Using the Munsell colour scheme prior to being baked in a muffle furnace the samples will be heated in increments of 50 °C intervals up to 700 °C. At first the rock samples will be held at set temperatures for 1 hour. Based upon these results the experiment times and temperatures will evolve to stimulate a diverse set of wildfire conditions. Other observations such as a decrease in HCl effervescences and rock spalling will be noted as potentially related to low grade metamorphism in response to heat exposure. Laboratory-induced thermal colour alteration will be compared to the rocks collected from high and medium-low severity burn areas of the Mangum Fire as a proximate for fire temperature.