

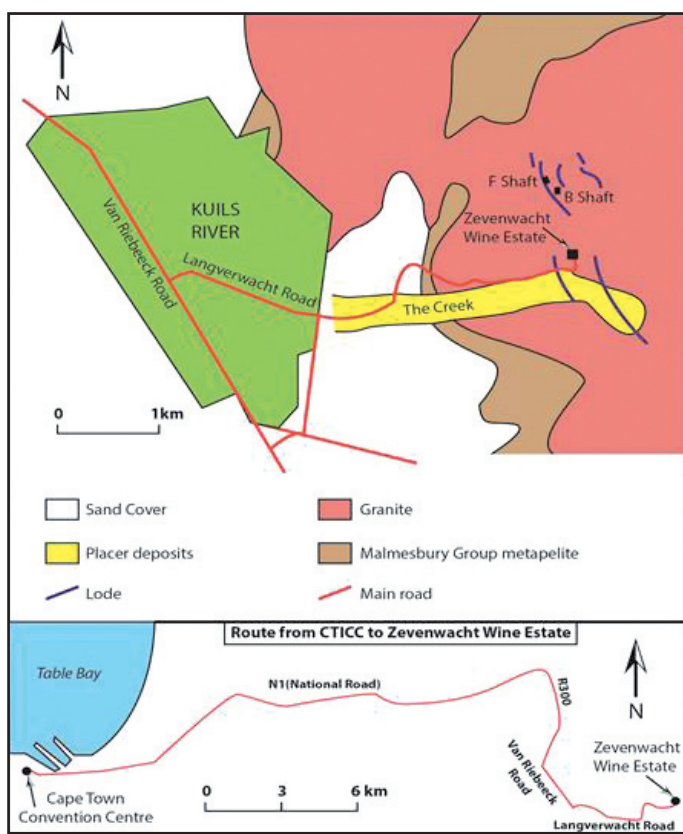
**ZEVENWACHT WINE ESTATE AND TIN MINES**

**Field Trip Leader:** Doug Cole

**Date:** Saturday 3rd September 2016

**Number of participants:** 20-35, including 1 guides/1 drivers

The tin deposits on the Zevenwacht Wine Estate form one of several hydrothermal deposits associated with intrusion of granite and minor gabbro and diorite of the pan-African Cape Granite Suite with the deposits being concentrated in a northwest-trending zone between Somerset West and Yzerfontein. Vein-hosted mineralisation is predominant with the veins or lodes trending between northwest and north-northwest. The veins are both exogranitic, being hosted by the Malmesbury Group metasediments, and endogranitic. On the Zevenwacht Wine Estate and adjacent areas, the veins are endogranitic being hosted by coarse-grained, porphyritic granite named the Spier Granite. They trend north-northwest within a 500 m-wide zone and the individual lodes are up to 3 metres wide, dip moderately (20 to 35 degrees) west or east and consist of aplite dykes and irregularly developed quartz veins. Several tin deposits were mined during the early 1900s with those on the Zevenwacht Wine Estate and adjacent areas accounting for the bulk of the production.



The purpose of the half-day excursion is to show the participants the nature and morphology of the mineralisation in an abandoned adit, the distribution of the mineralised lodes and some of the mining equipment still in place. After visiting the abandoned mines, the participants will visit the wine estate and can take part in wine tasting, a cellar tour and finally enjoy a South African braai.

*Route from CTICC to Zevenwacht wine estate*

*Zevenwacht*

