

THE THANKSGIVING TUNGSTEN SHOWING

(82M/1E)

By G.P.E. White

Scheelite was discovered on the Thanksgiving property in the fall of 1980 by the Cameron-Jenkins-Campbell prospecting group of Revelstoke. The showing is located about 25 kilometres north of Revelstoke, latitude 51 degrees 12 minutes, longitude 118 degrees 12 minutes, along the new Mica Dam Highway at an elevation of 670 metres.

Skarn near the crest of an antiform consists of scheelite, calcite, quartz, K-feldspar, plagioclase, diopside, clinozoisite, vesuvianite, garnet, hornblende, sphene, pyrite, pyrrhotite, and chlorite. The zone is reported to be stratabound and about 3 metres in thickness. Mineral content varies both vertically and laterally and, in one thin section examined, the rock has a cherty matrix. The host rocks are sericitic quartzites and biotite-quartz-plagioclase schists, with local fissile, micaceous partings. Foliation has a general east-west strike and a 30-degree north dip. A major low angle north-south fault that crosses the property is marked by graphitic shearing. In the easternmost trenched area tight crenulated folds with axial planes normal to the major fold axis occur in a calcareous unit.

Quartz feldspar porphyry with a grey biotite-rich matrix, muscovite-quartz-feldspar pegmatite, and quartz veining occur in close proximity to scheelite on the property but not with the skarn assemblage. No tungsten was detected in a semiquantitative spectrographic analysis of the pegmatite.

Conversations with Roy Wares representing Northair Mines were held at various times during the field season.