APPENDIX 3

REPORT CMS 76/5/16

PHOTOMICROGRAPHS

Photo 1. Sample M3 Thin Section x30

General view of typical banded "wrigglite" rock showing alternating magnetite (black) and fluorite-feldspar bands. An area of coarse fluorite occurs, and there are feldspathic veinlets, partly conformable.

Photo 2. Sample M3 Thin Section x125

Part of same field as in Photo 1, showing fine intergrowths of minerals. Fluorite = small clear grains.

Photo 3. Sample M3 Thin Section x125

Coarse fluorite (more or less clear), garnet (centre, high relief), ferrohastingsite (dark) and magnetite.

Photo 4. Sample M4 Thin Section x125

Part of fluorite area in which feldspar has been replaced by muscovite. Black = magnetite; clear = muscovite; cloudy (with low relief) = fluorite with minute hastingsite inclusions.

Photo 5. Sample M4 Thin Section x125

Irregular scheelite grains (cloudy, high relief) in a medium-crystalline patch of fluorite, plagioclase, magnetite. Note small magnetite inclusions in scheelite (scheelite is younger). Fluorite = clear grains with sharp boundaries.

Photo 6. Sample M5 Thin Section x30

Rock fragment showing vein of coarsely-crystalline fluorite, plagioclase and green biotite, and coarse scheelite (very dark, with magnetite inclusions). Fluorite = grains with heavy borders. Note dark spots in biotite; these are minute radioactive grains (?brannerite) surrounded by pleochroic haloes.

Photo 7. Sample M5 Thin Section x125

Dark cassiterite grain (arrowed) with magnetite and green