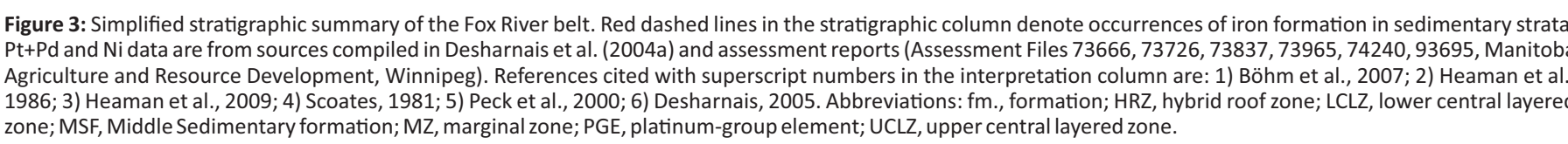
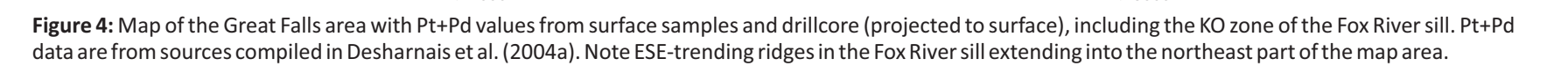


This 1:50 000 scale geological map, which accompanies the 1:250 000 scale map on the previous page, presents a more detailed overview of part of the western half of the Fox River belt (FRB). This area is the most thoroughly documented part of the FRB due to its relatively thin glacial drift, several river exposures and wide drilling coverage. Geological units in the map area form a northward-younging stratigraphic succession dominated by marine sedimentary and volcanic rocks, as summarized in Figure 3. More detailed geological descriptions of each unit are provided by Scoates (1981; 1990), Desharnais (2005), and Rinne (2018).



The Great Falls area of the Fox River (labeled near map centre and shown at 1:10 000 scale in Figure 4) contains surface exposures of a discontinuous layer of stratabound sulphides within the Fox River sill. A sample from this so-called K0 zone yielded 2.1% Cu, 0.9% Ni, 1 ppm Pt and 4 ppm Pd (Desharnais et al., 2004a), representing the highest Ni-Cu-Pt-Pd grades sampled to date in the FRB. The lower mafic-ultramafic intrusions, occurring south of the Fox River sill, are similarly prospective for magmatic sulphide mineralization. Flows of the Upper and Lower Volcanic formations, interpreted to be co-genetic with the mafic-ultramafic intrusions in the FRB, also demonstrate some potential for flow-hosted magmatic sulphide mineralization (e.g., Pt-Pd column in Figure 3).



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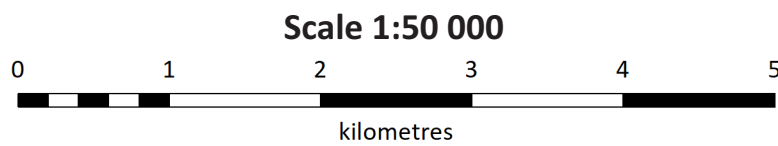
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Geological compilation by M.L. Rinne

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