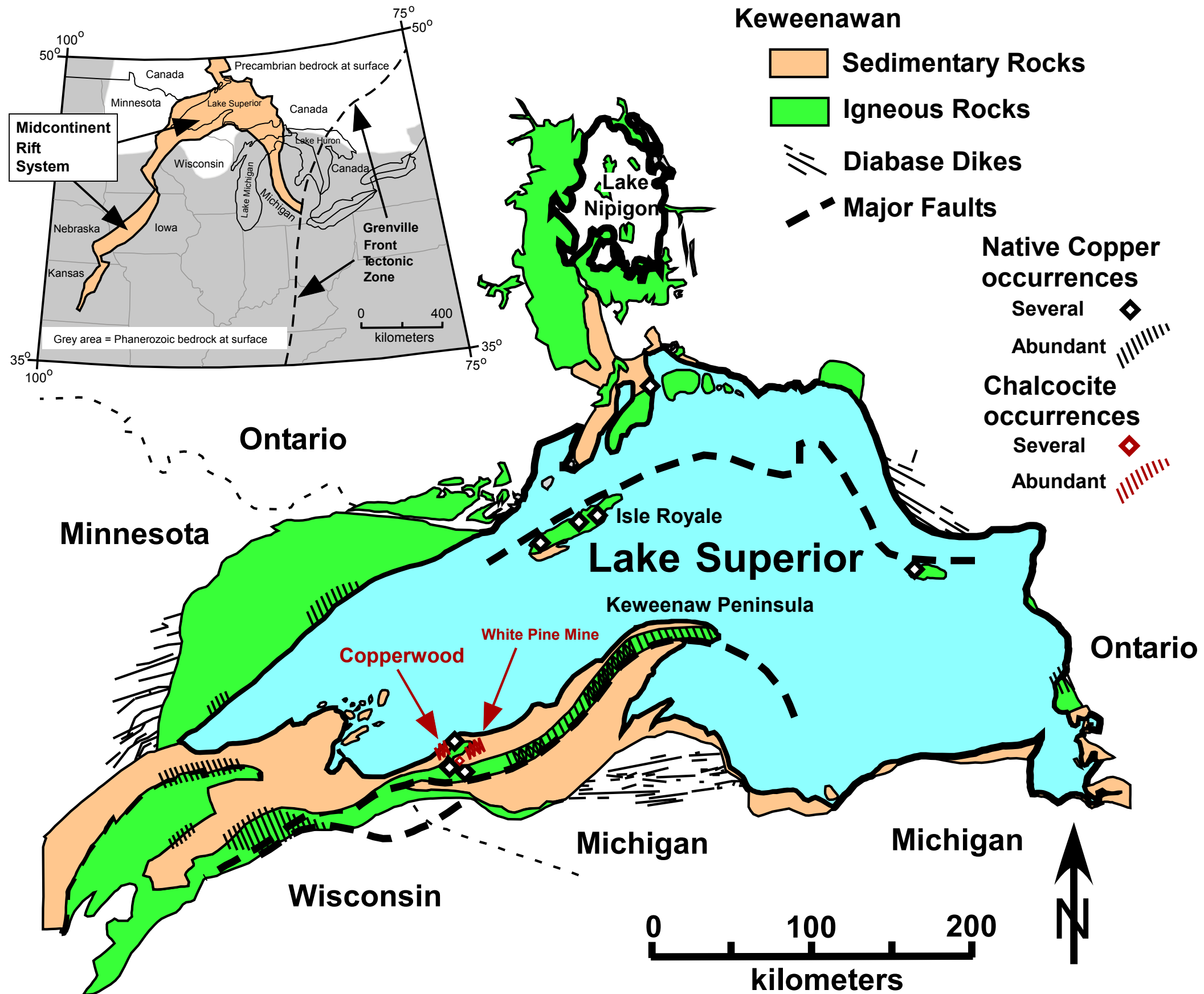




REGIONAL GEOLOGIC SETTING AND
DISTRIBUTION OF KEWEENAWAN COPPER DEPOSITS
ORVANA RESOURCES US CORP.
COPPERWOOD PROJECT
GOGEBIC COUNTY, MICHIGAN

Drawn: TJB 7/20/2011

Approved: ARB 7/20/2011

Scale: AS SHOWN

PROJECT NUMBER 60179066

FIGURE NUMBER 202.2.3-4