



Proterozoic

- Diabase dikes (magnetic highs; Mackenzie swarm)
- pT Granodiorite to tonalite
- pDt Diorite to tonalite (interpreted from aeromagnetic data)
- pG Granite to granodiorite
 - pGN gneissic
 - pGP porphyritic
- pV Undifferentiated volcanic rocks (interpreted from aeromagnetic data)
- pN1 Paragneiss and migmatite
- pA Amphibolite
 - pAL layered amphibolite
- pY Metagreywacke to paragneiss, minor oxide-facies iron formation, amphibolite
- pBM Mafic to ultramafic dikes (dominantly Molson)
- Mafic dikes (magnetic lows; Molson swarm and possibly younger)

Fox River belt

- USF Upper sedimentary formation: quartzofeldspathic to argillaceous and locally graphitic mudstone, sandstone
- MSF Middle sedimentary formation: planar-laminated to bedded quartzofeldspathic mudstone, sandstone, argillaceous mudstone, sulphide-facies iron formation
- V Pillowed to massive basalt to komatiitic basalt (comprising lower volcanic formation, upper volcanic formation, and unsubdivided flows), locally containing basal cumulate peridotite and pyroxenite; minor interflow sulphide-facies iron formation and graphitic mudstone
- UM Mafic-ultramafic intrusions (serpentinized peridotite, pyroxenite, gabbro, and minor leucogabbro, generally occurring as cumulates differentiated from south to north; includes the Fox River sill)
- Iron formation (drill intercepts and aeromagnetic interpretation)
- LSF Lower sedimentary formation: planar-bedded quartzofeldspathic to argillaceous mudstone, sandstone, sulphide-facies iron formation, oxide-facies iron formation, calcareous mudstone

Archean

- aM Mylonite, protolith unknown
- aT Granodiorite to tonalite
 - aTN gneissic
 - aTo orthopyroxene-bearing tonalite
- aG Granite to granodiorite
 - aGb biotite-bearing
 - aGh xenolith-bearing
- aN1 Quartz-feldspar-biotite gneiss, granite, granodiorite, minor amphibolite dikes and rafts
- aY Metasedimentary rocks (metagreywacke, iron formation, metaconglomerate)
- aV3 Mafic volcanic rocks
- aA Amphibolite

Above: Simplified geological map of the Fox River belt. See Open File OF2020-4 for more information.