Lorraine Hydrogen Project

Overview

The Lorrain Hydrogen Project is located two kilometres north of Béarn and five kilometres east of Ville-Marie, and are within fourteen kilometres southeast of the QIMC gas-in-soil discovery grid area.

The area is now observed to contain the components of the volcanic belt-graben model used to guide exploration for hydrogen. Several geologic features of the area are highly favorable for hydrogen where the sedimentary rocks of the Cobalt Group are injected by numerous Nipissing mafic dykes and sills that can act as impermeable barriers that limit the ascent of hydrogen to the surface, acting as a hydrocarbon trap.

Project Details

The Lorrain Hydrogen Project covers 11 claims totalling 633 hectares in the Ville-Marie - Bearn hydrogen exploration region. The claims are underlain by Paleoproterozoic Cobalt Group sedimentary rocks in contact with Neoarchean mafic to intermediate volcanic rocks, and intrusion of Archean peridotite bodies. Regional scale fault structures are mapped within one kilometre of the claims.