

Quebec, March 8, 2023

**Entreprise :** Goldstar Minerals inc (GDM)  
**Project:** Upton

## **Geological report concerning mining titles**

### **Introduction**

At the request of David Crevier, CEO of GDM, Jacques Marchand Ing. is mandated to carry out a summary geological presentation concerning 8 newly acquired mining titles on behalf of GDM.

### **Mining Title**

CDG 2646187, 2646188, 2646189, 2648534, 2648535, 2648536, 2648537, 2648538.

### **Geological Context**

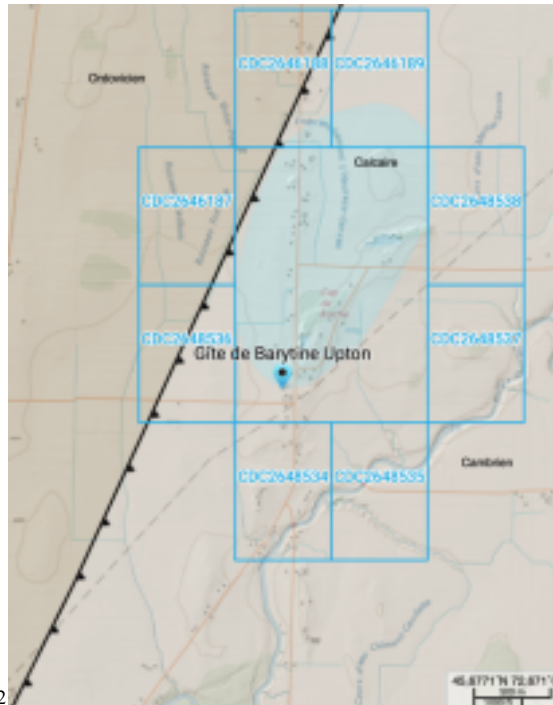
The region lies within the Humber Zone of the Appalachian Geological Province. In this sector, the lithology is mainly NE oriented with a general weak dip towards the SE. On the titles of the East and North sector, meets the reverse fault (thrust) of Champlain having a NE attitude with weak dip towards the SE. This fault delimits the lithologies of Ordovician age to the NW and Cambrian to the SE.

#### **Ordovician**

This unit consists of a slate with sandstone and limestone interlayers belonging to the Bourret Formation.

#### **Cambrian**

This unit consists of feldspathic sandstone with slate interlayers of the Granby Formation belonging to the Shefford Group. This Formation contains an ovoid limestone unit of the Acton Vale Formation. The latter contains at its southern end the Upton barite deposit (45.6765°N 72.6705°W). The limestone unit is also evidenced by a circular magnetic anomaly.



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## Exploration work

In addition to the prospecting, geology, geochemistry and geophysics work covering the Upton deposit sector, between 1995 and 1999, in the northern sector (Permit 2646189), a VLF survey and a PP survey reveal conductive anomalies that are partially tested by a borehole at the northern limit of the limestone unit. The sounding intersects a suite of shale and limestone with a weak anomaly in Ba and Zn and explains the conductor by the presence of graphitic shale on the surface. There is no recent and material work on the other mining titles in the section.

## Signature and Seal

Cordially,

**Jacques Marchand**  
Geology Engineer

**Jacques Marchand**Geology Engineer  
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