

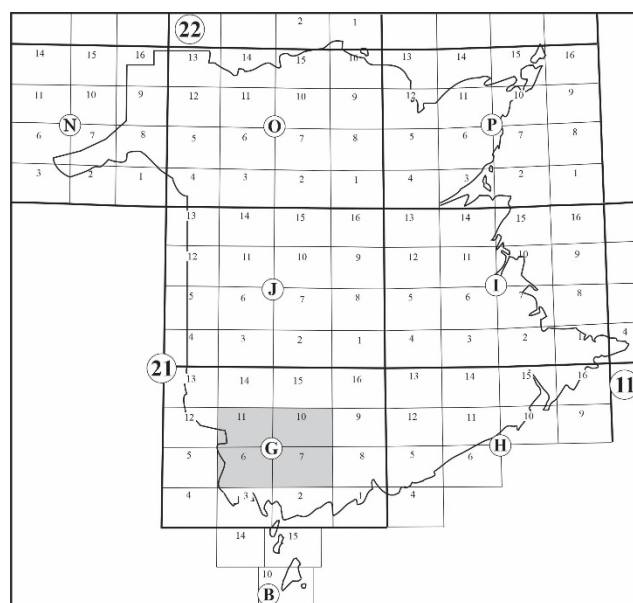
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Lithium and cesium anomalies in till in southwestern New Brunswick

Rossiter, S.L.E. - poster (pdf format)

Upon reviewing recently obtained till geochemistry data, a lithium anomaly (178 ppm) and dispersal pattern was identified near Flume Ridge in southwestern New Brunswick, which prompted a search for related till geochemistry anomalies in the same geological setting. This search revealed that although lithium data is lacking, there is a general correlation of lithium and cesium, and there are several cesium anomalies (up to 74.1 ppm) in the till overlying the Shin Formation (Mabou Group), north of the exposed Piskahegan Group caldera rocks. Lithium geochemical data were previously unavailable for the samples with anomalous cesium, and so five archived samples were resubmitted for geochemical analysis.

This poster provides context for these geochemical anomalies and demonstrates the utility of till geochemistry for lithium and cesium exploration in areas with limited bedrock outcrops. This poster also highlights areas where there are gaps with respect to lithium data in the provincial till geochemistry dataset.



grey shading on map denotes study area

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