

Isopach Maps of Cretaceous-Tertiary Formations from Mackenzie Plain, NWT

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Summary

The constructed isopach maps display Cretaceous-Tertiary formations within the Mackenzie Plain in the Northwest Territories. The formations that were mapped are as follows: Summit Creek, East Fork, Little Bear, Slater River, Mahony Lake, Arctic Red and Martin House. These isopach maps were constructed using ArcGIS 9.3.1. Data used to build these maps were obtained from well history reports and well logs from the Mackenzie Plain. Formation tops were based upon the Cretaceous stratigraphy outlined by Dixon (1999). These isopach maps will be useful in acknowledging and confirming the presence of subsurface features related to the Keele Arch, Mahony Arch and the Mackenzie Trough.

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References

Dixon, J. 1999, Mesozoic-Cenozoic stratigraphy of the northern interior plains and plateaux, Northwest Territories: Geological Survey of Canada, Bulletin 536, 56 p.