

GEOLOGICAL MAP OF SASKATCHEWAN

2021 Edition

Map Legend

Paleozoic to Neogene

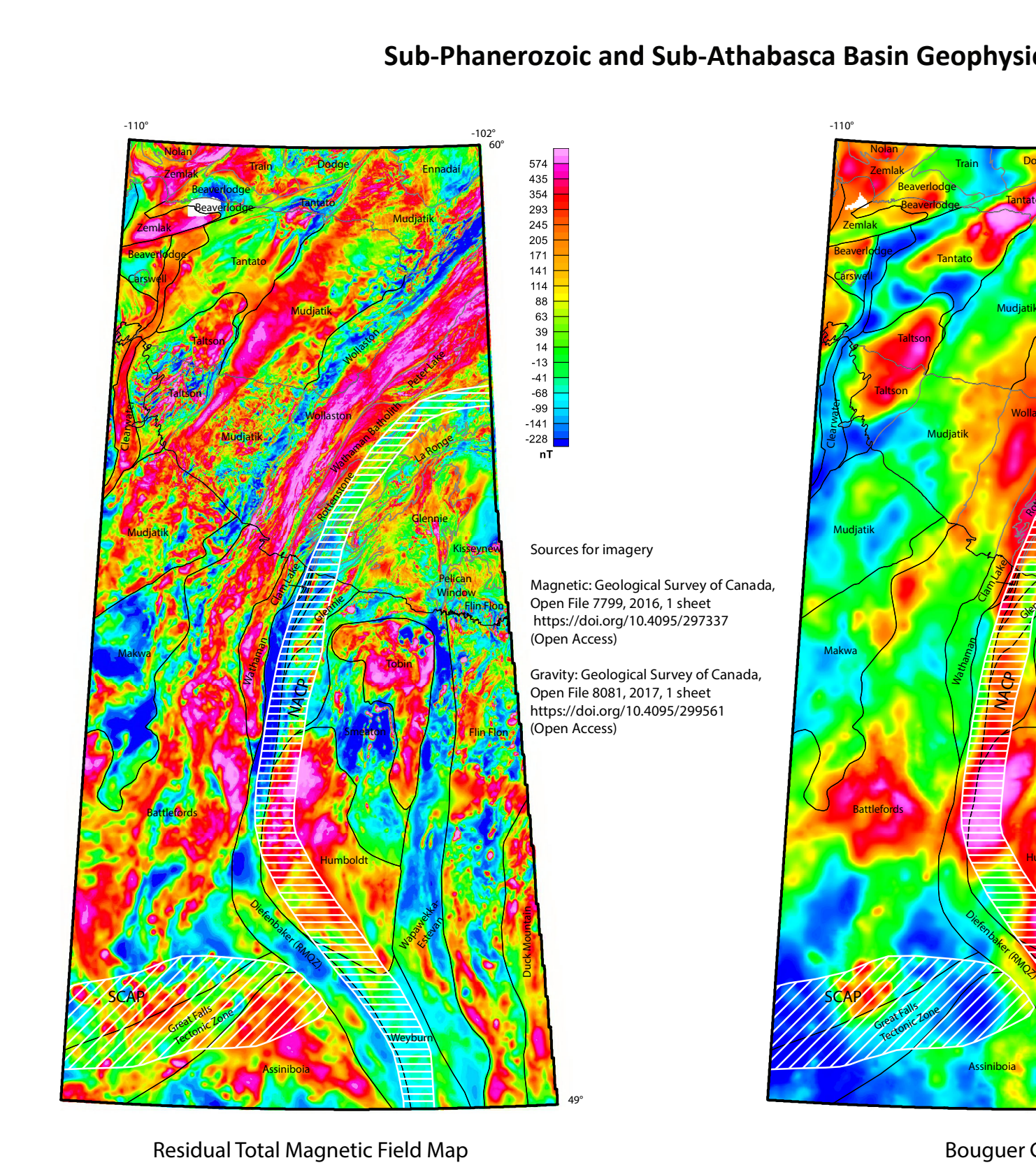
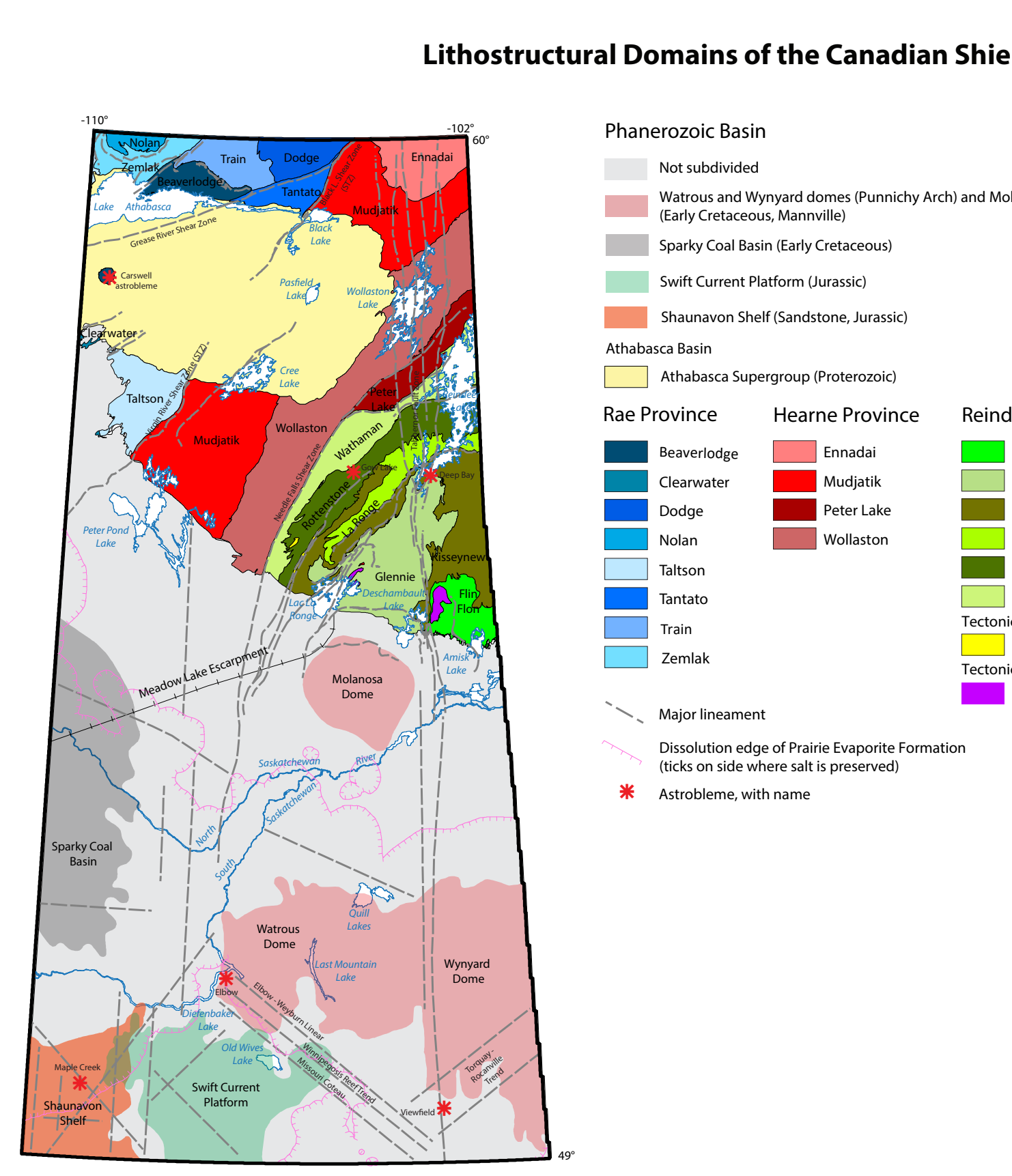
Phanerozoic Sedimentary Rocks*	
Permian	Wollaston Supergroup (Permian to Neoproterozoic): Highly eroded, containing matrix supported rounded to angular clasts (pebbles to cobbles); clasts of Marvillite Group, Winnipeg Formation, Athabasca Supergroup and/or crystalline basement; matrix: carbonaceous, silty, calcareous, or highly fractured.
Carboniferous	Wollaston Supergroup (Carboniferous to Permian): Sandstone, siltstone, shale, and other vertebrate fauna; shales and sandstones.
Devonian	Wollaston Supergroup (Devonian to Carboniferous): Sandstone, siltstone, shale, and other vertebrate fauna; shales and sandstones.
Permian	Wollaston Supergroup (Permian to Neoproterozoic): Highly eroded, containing matrix supported rounded to angular clasts (pebbles to cobbles); clasts of Marvillite Group, Winnipeg Formation, Athabasca Supergroup and/or crystalline basement; matrix: carbonaceous, silty, calcareous, or highly fractured.
Carboniferous	Wollaston Supergroup (Carboniferous to Permian): Sandstone, siltstone, shale, and other vertebrate fauna; shales and sandstones.
Devonian	Wollaston Supergroup (Devonian to Carboniferous): Sandstone, siltstone, shale, and other vertebrate fauna; shales and sandstones.

Metamorphosed Rocks of the Western Churchill Structural Province

Rae Province	Includes: Pelite, mafic, calcareous, and other rocks; granulite facies; gneiss, schist, amphibolite, and other rocks.
Heerne Province	Includes: Pelite, mafic, calcareous, and other rocks; granulite facies; gneiss, schist, amphibolite, and other rocks.
Wollaston Supergroup	Includes: Pelite, mafic, calcareous, and other rocks; granulite facies; gneiss, schist, amphibolite, and other rocks.
Wollaston Supergroup	Includes: Pelite, mafic, calcareous, and other rocks; granulite facies; gneiss, schist, amphibolite, and other rocks.

Metamorphosed Rocks of the Reindeer Zone

Miss Supracrustal Suite (1840 Ma to 1810 Ma)	Includes: Pelite, mafic, calcareous, and other rocks; granulite facies; gneiss, schist, amphibolite, and other rocks.
Wollaston Supergroup (1870 Ma to 1840 Ma)	Includes: Pelite, mafic, calcareous, and other rocks; granulite facies; gneiss, schist, amphibolite, and other rocks.
Wollaston Supergroup (1870 Ma to 1840 Ma)	Includes: Pelite, mafic, calcareous, and other rocks; granulite facies; gneiss, schist, amphibolite, and other rocks.



Selected list of references that helped with compilation of map and insets:

Adams, C.D., 1986. Regional tectonic domain and classification of the Athabasca Basin in Saskatchewan. *Canadian Journal of Earth Sciences*, 23(12), 2199-2212.

Adams, C.D., 1989. Regional tectonic domain and classification of the Athabasca Basin in Saskatchewan. *Canadian Journal of Earth Sciences*, 26(12), 2199-2212.

Adams, C.D., 1991. Regional tectonic domain and classification of the Athabasca Basin in Saskatchewan. *Canadian Journal of Earth Sciences*, 28(12), 2199-2212.

General Information

This map represents our current state of knowledge and is based on the province compiled by Macdonald and Sloman (1996). It is a geological bedrock and geology map showing the geology of the province of Saskatchewan. The map is based on the geological bedrock and geology map of the province of Saskatchewan, compiled by Macdonald and Sloman (1996). The map is based on the geological bedrock and geology map of the province of Saskatchewan, compiled by Macdonald and Sloman (1996).

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