

Date Logged: January 9, 2001

Released as part of Appendix 6 in
AEP/AGC Case File Report 2017-09

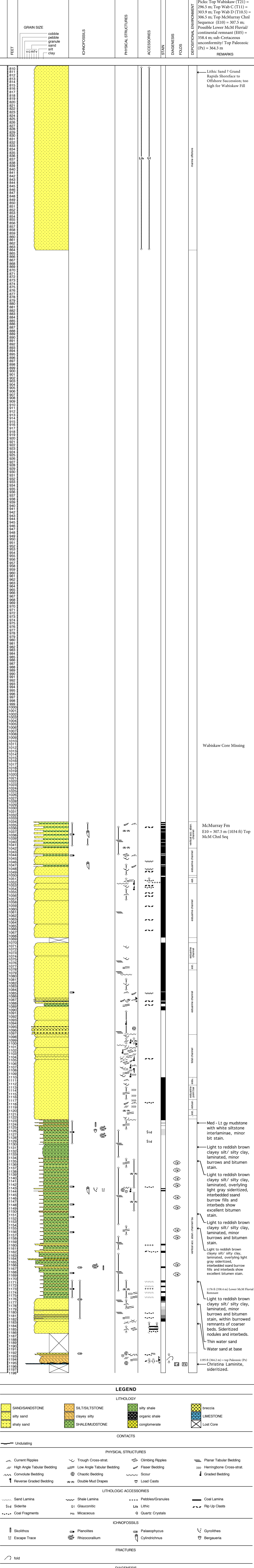
Logged by: F. J. Hein

Ground: 559.9 m (1836.94 ft)

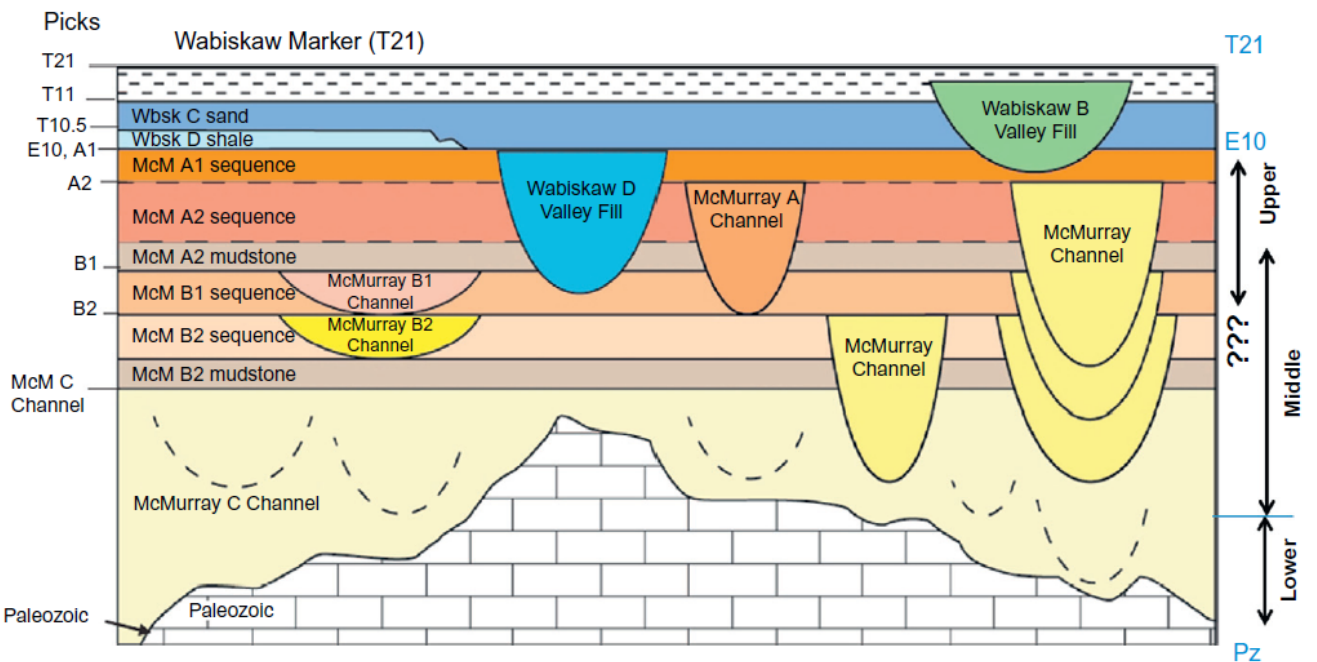
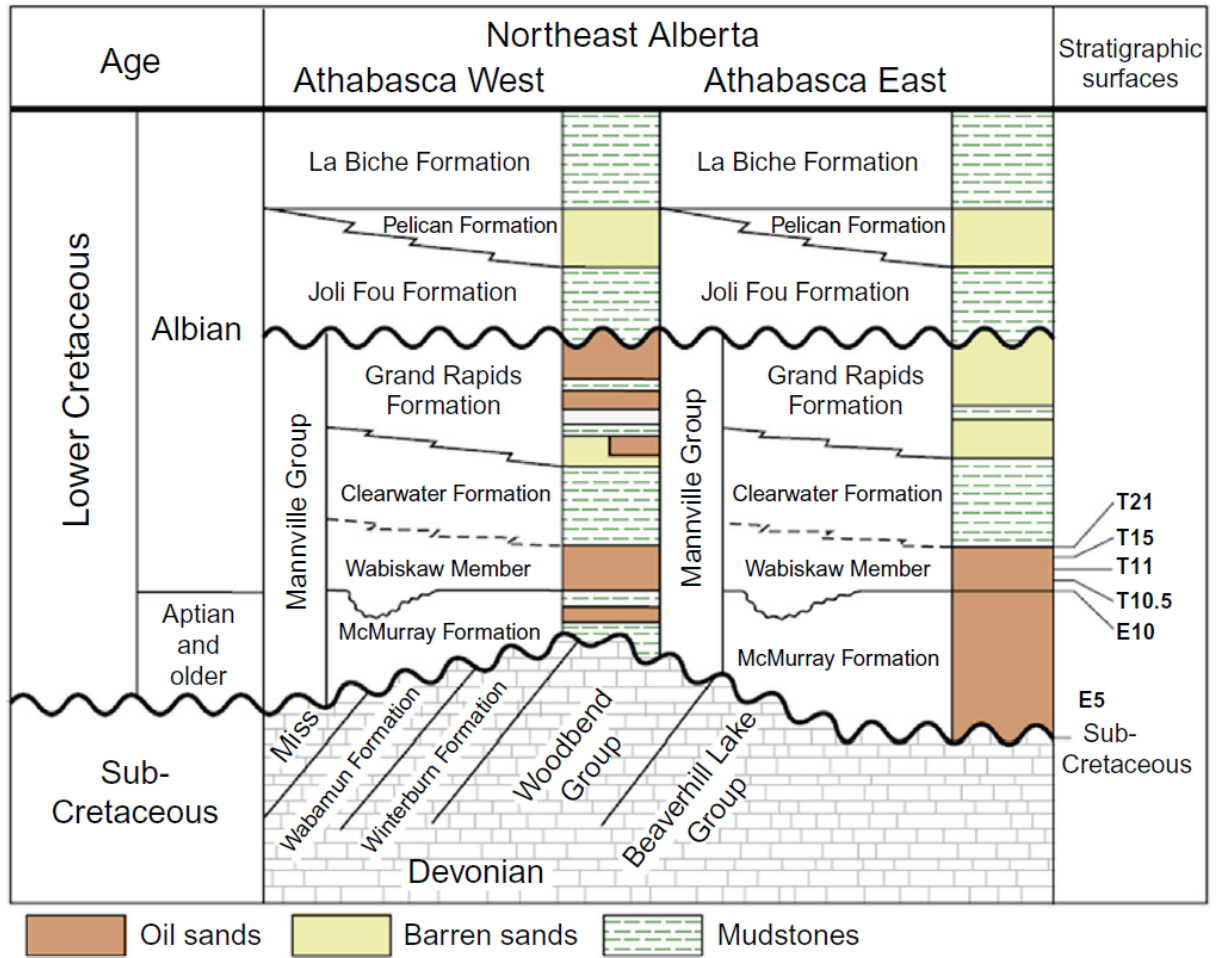
KB: 563.3 m (1848.10 ft)

Remarks: Facies associations and picks done for regional mapping. Very thick lithic coarse Wabiskaw sand from 809-864 ft. Very thick, excellent, bitumen channel sand in McMurray. Done for Atlas of McMurray Fm, AGS Report, Hein et al. Used later in the Staff Submission Group Regional Geologic Study for the omnibus EUB G/B Hearing.

Core Storage Location: AER Core Research Centre, Calgary. Core boxes marked in feet; logged and plotted in feet.

[illegible]

Stratigraphic Nomenclature for Picks



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Definition of stratigraphic markers ('picks') with quality codes
(modified from Wynne et al., 1994 and Hein et al., 2000).*

Pick	Type of Surface	Description	Quality Code**
T21	Transgressive	Wabiskaw Marker Top Wabiskaw Mbr. 'A'	Good - Very Good
T15	Transgressive	Top Wabiskaw Mbr. 'B'	Good - Very Good
E14	Major Erosion	Wabiskaw Internal Incision	Good - Very Good
T11	Transgressive	Base First Regional Marine Shale in the Clearwater Fm. Top Wabiskaw Mbr. 'C'	Very Good-Excellent
T10.5	Transgressive	Top Wabiskaw Mbr. 'D' Incised Valley-Fill Deposit	Excellent-Very Good
E10	Disconformity/ Unconformity	Top Upper McMurray Fm Major Erosion Surface	Excellent -Very Good
E5	Disconformity/ Unconformity	Top Lower McMurray Fm. Major Erosion Surface	Variable Very Poor -Fair
Sub-Cret. (Pal.)	Unconformity	Base of McMurray Fm Major Erosion Surface	Variable Very Good-Excellent (However this is sometimes difficult to pick in areas of significant clastic karst-infill, or where marl is above the sub- Cretaceous unconformity)

* Abbreviations: Group, Grp.; Formation, Fm.; Member, Mbr.

** Quality Codes are relative: Excellent to Very Good, can be picked on all wire-line logs and seismic; Poor to Very Poor, need to be confirmed by outcrops or core, difficult to pick on wire-line logs, somewhat easier to pick on seismic.

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