

Released as part of Appendix 6 in
AER/AGS Open File Report 2017-08

Ground: 276.3 m; KB: 276.3 m; logs and core measured from ground level; so Ground = KB

METERS	GRAIN SIZE <div> <div>v</div> <div>c</div> <div>m</div> <div>f</div> <div>v</div> <div>granule</div> <div>sand</div> <div>silt</div> <div>clay</div> </div>	BIOTURBATION INTENSITY	ICHTHOFOSSILS	ACCESSORIES	STAIN	COLOR	REMARKS
38							? Wabiskaw C at top
40							Top McMurray Channel 40.5 m, E10 Surface
42							
44							
46							
48							
50							← Planar Tab about 30 cm thick sets
52							
54							
56							
58							
60							
62							
64							
66							
68							
70							← Clast zone, lots of small rip up clasts spreas sparsely spread out, average size is 0.8cm biggest size is about 5 cm.
72							
74						vdk GY	
76						vdk GY	Lower McMurray continental - fluvial succession, 76 m, E05 surface
78						vdk GY	
80						med GY	
82						..	
84						med GY	
86							
88							
90						med GY	
92							← Pebble Lag
94							
96						GY mlt GY	
98							
100						mlt GY	pre-McMurray succession, 101.5 m
102							
104							← Core 41, depth according to box is 102.3-105.3 ie 3.0 m but recovered is only 1.40m.
106							
108							← Core 42, depth according to box is 105.3-108.3 ie 3.0 m but recovered is only 1.45m.
110						..	
112					P _y	mlt GY	← Core 43, depth according to box is 108.3-111.3 ie 3.0 m but recovered is only 1.35m.
114			Devonian 112 m, Pz surface				
116							
118							
120							

AppleCore colour legend

LITHOLOGY

	SAND/SANDSTONE		SHALEMUDSTONE		organic shale		LIMESTONE
	silty sand		silty shale		coal		Calcareous shale
	shaly sand		sandy shale		breccia		Lost Core
	sandy silt		clay/claystone				

CONTACTS

	Sharp		Erosional
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PHYSICAL STRUCTURES

	Current Ripples		Trough Cross-strat.		Oscillatory Ripples		Planar Tabular Bedding
	High Angle Tabular Bedding		Low Angle Tabular Bedding		Wavy Parallel Bedding		Synaeresis Cracks

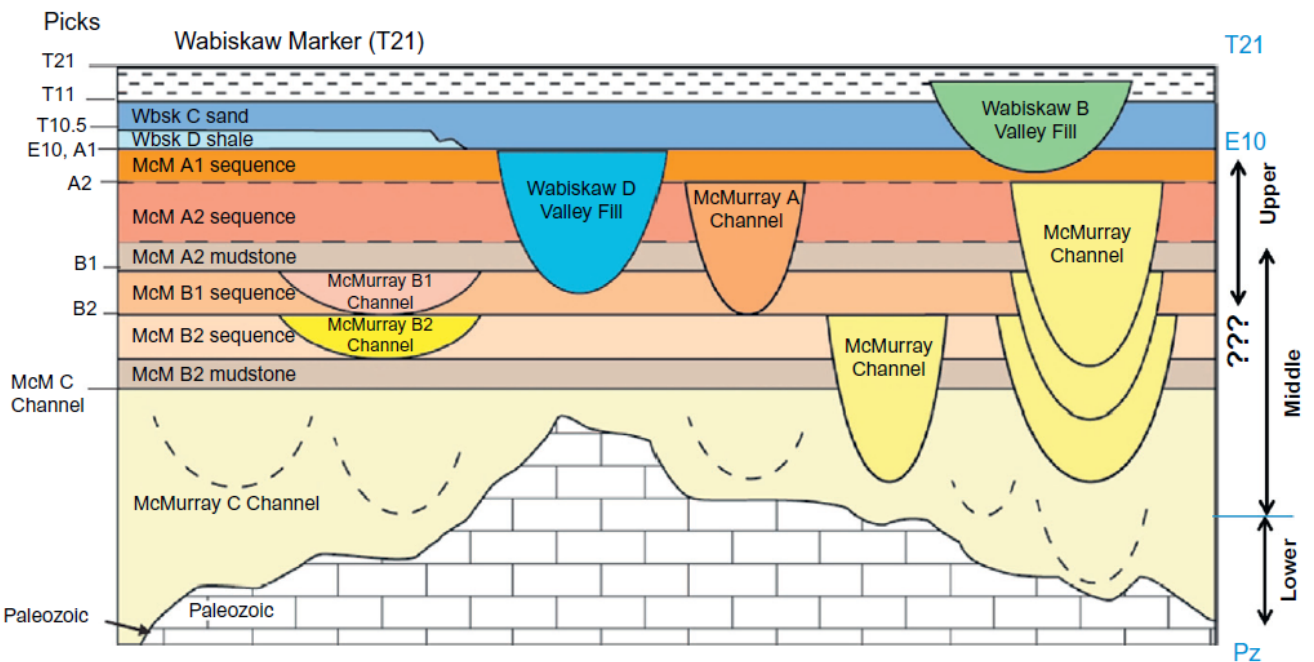
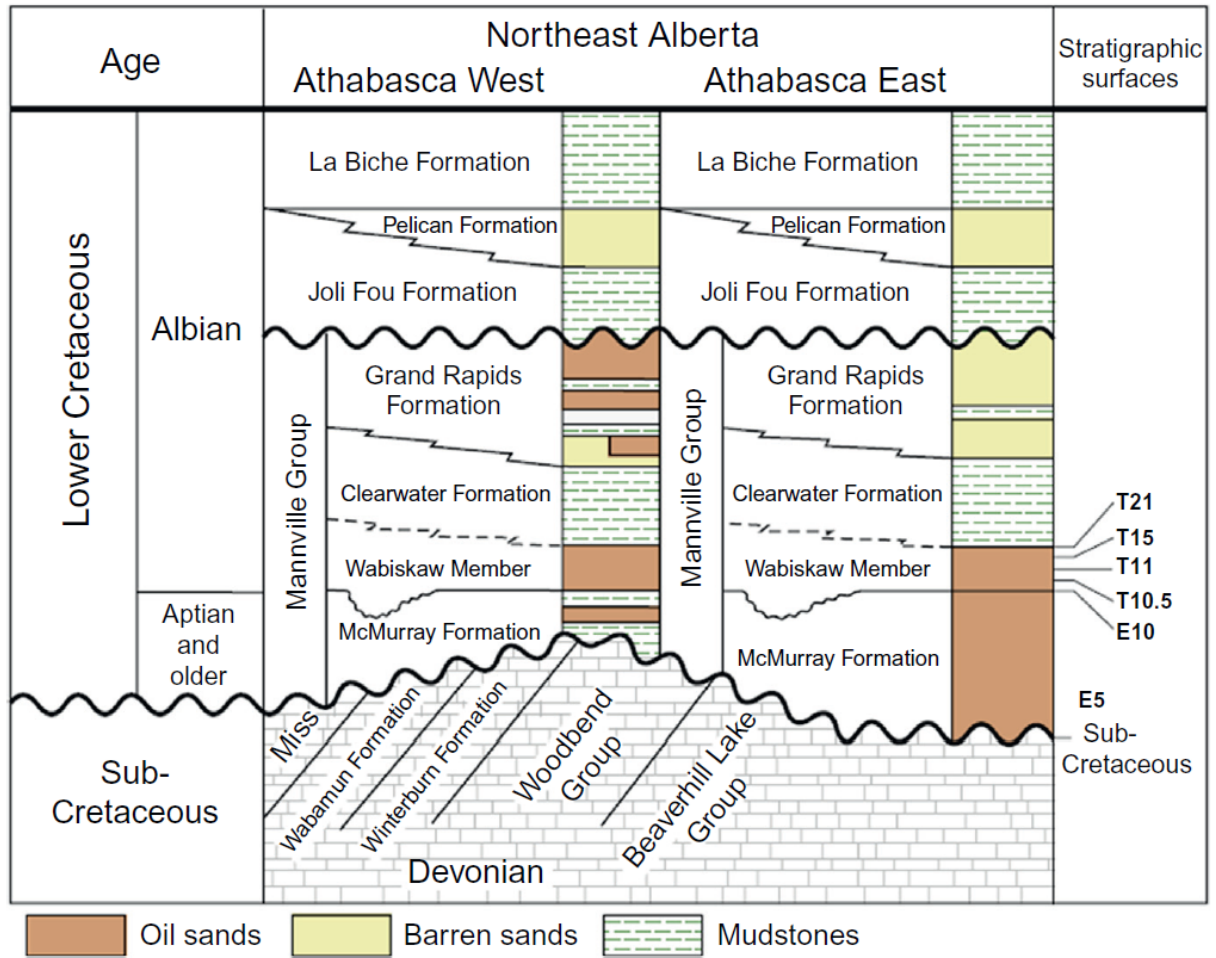
LITHOLOGIC ACCESSORIES

	Silt Lamina		Shale Lamina		Pebbles/Granules		Glauconitic
	Feldspathic		Lithic		Rip Up Clasts		Coal Fragments
	Wood Fragments		Salt & Pepper				

ICHTHOFOSSILS

	Rootlets		Skolithos		Planolites		Gyrolithes
	Diplocraterion		Arenicolites		Escape Trace		Cylindrichnus
	Bergaueria		Asterosoma		Thalassinoides		Chondrites
	Teichichnus		Anconichnus				

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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