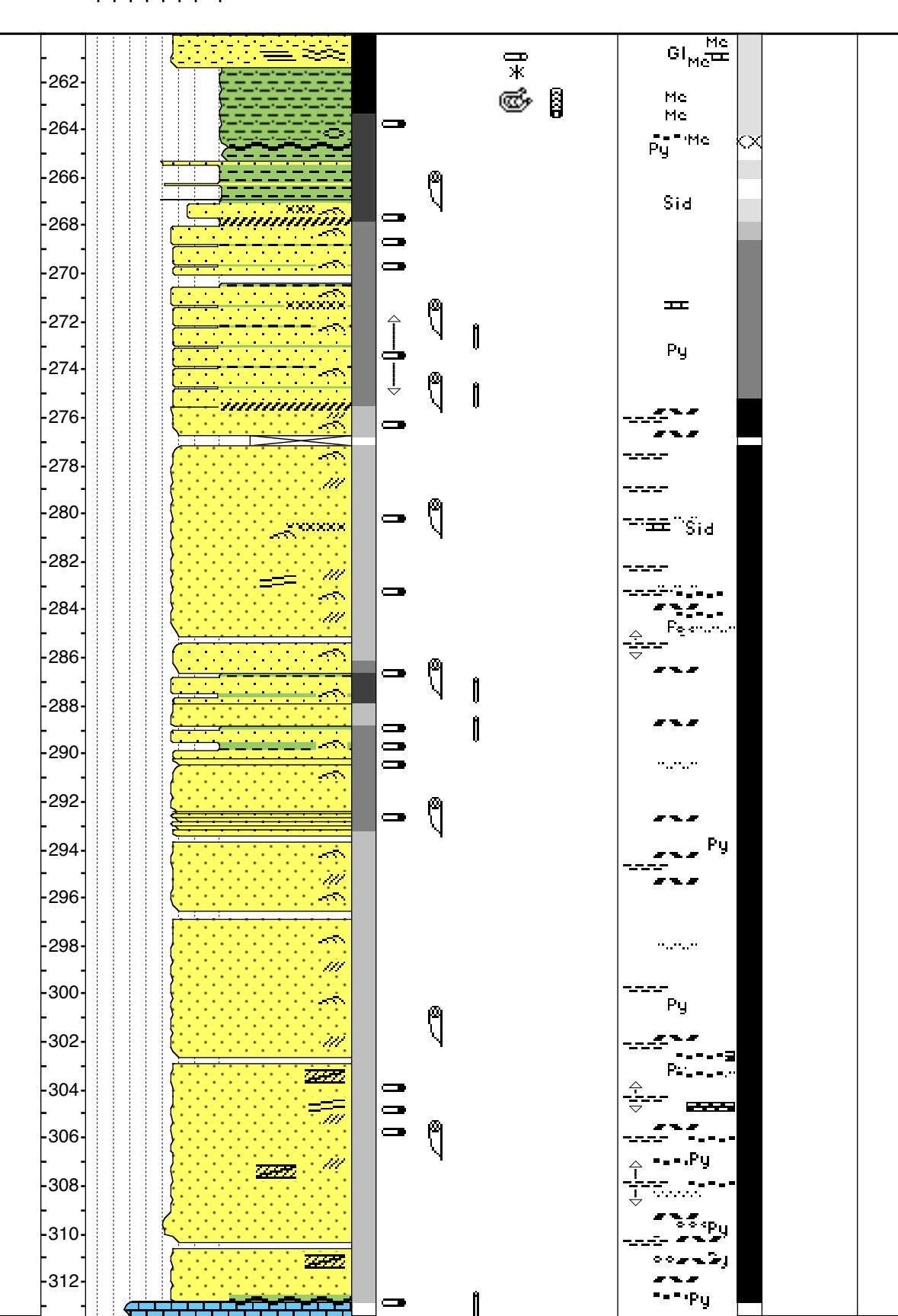


Date Logged: January 12, 1994; Ground: 559.7 m; KB: 563.2 m  
Released as part of Appendix 6 in  
AER/AGS Open File Report 2017-08  
Logged by: Michelle Atalla and Mike Berhane, ed. by F. J. Hein  
Remarks: Done as part of regional facies mapping and picks for Athabasca oil sands.  
Core off depth to logs; used logs.

AGS AOSTRA work.

METERS	GRAIN SIZE	BOTURBATION INTENSITY	ICHNOFOSSILS	ACCESSORIES	STAIN
	<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>	<div>Picks: Top Wabiskaw (T21) = 250.1 m; Top Wabiskaw C (T11) = 259.1 m; Top Upper McMurray A2 Seq (E10) = 261.7 m (260.7 m core depth); Top McM Chnl Seq = 265.4 m (264.8 m core depth); Top Paleozoic (Pz) = 312.5 m (312.8 m core depth).</div>			



## AppleCore 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		Astrosoma		Thalassinoides		Chondrites
	Teichichnus		Anconichnus				

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)

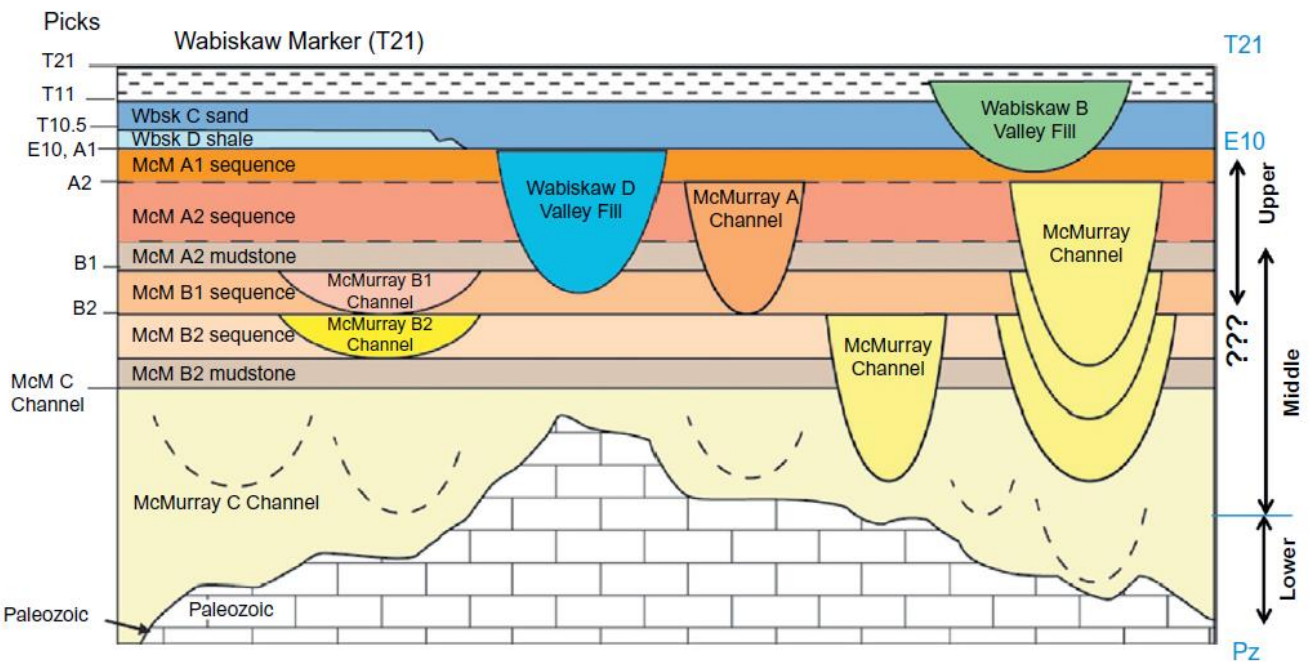
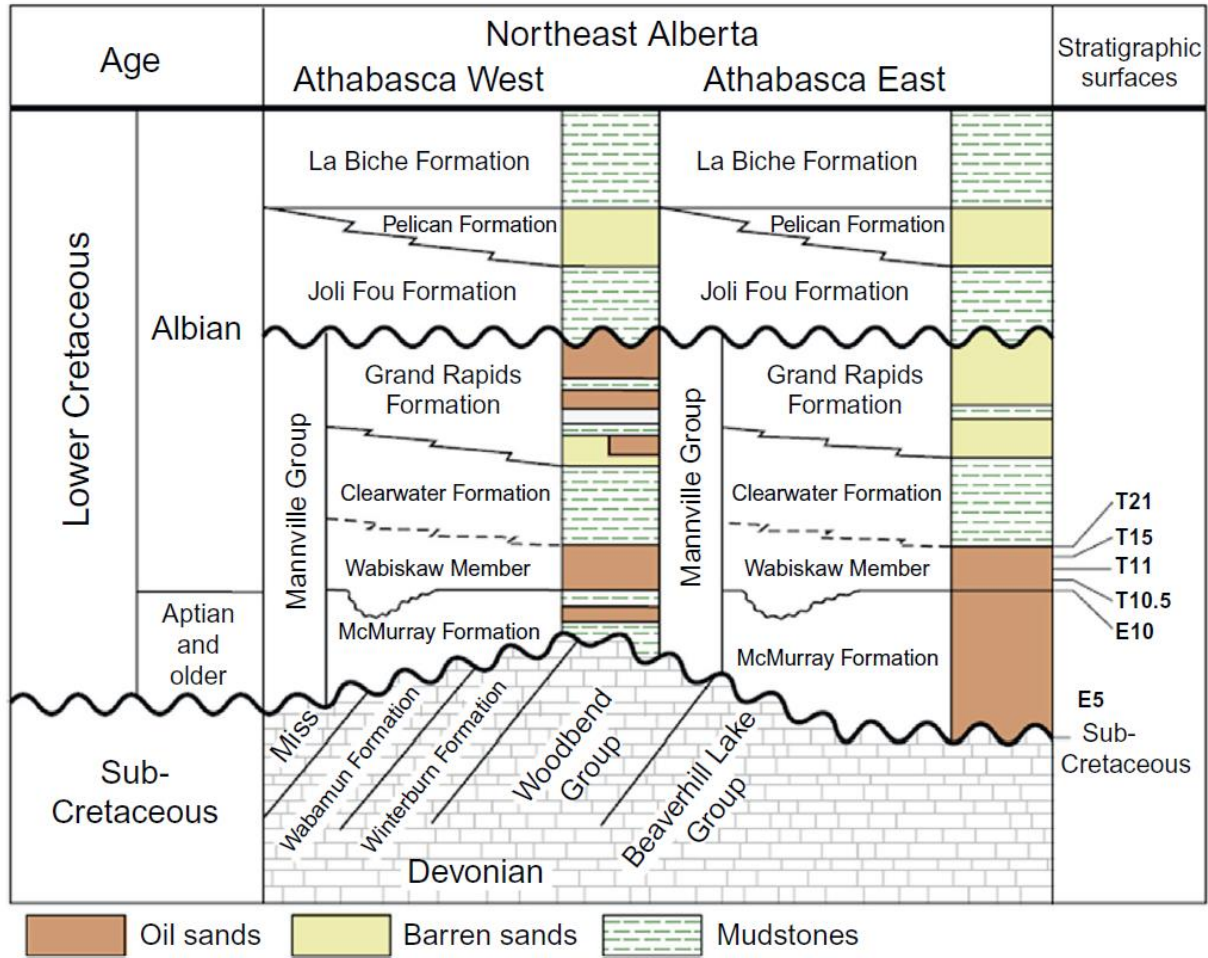
\* Abbreviations: Group, Grp.; Formation, Fm.; Member, Mbr.

\*\* 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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# Stratigraphic Nomenclature for Picks



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