

Logged by: F. J. Hein; Ground: 586 m; KB: 589.2 m

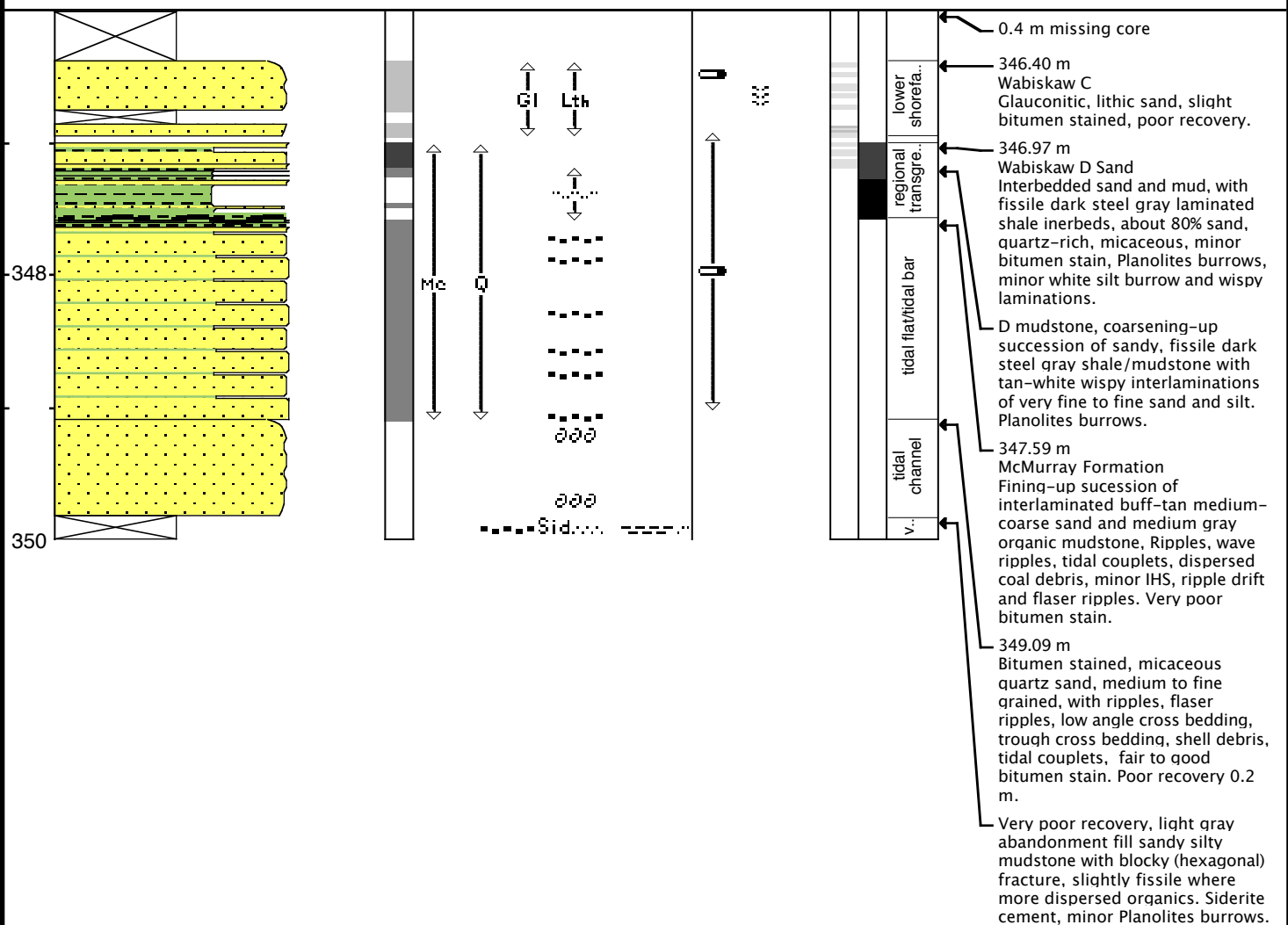
Released as part of Appendix 6 in
AER/AGS Open File Report 2017-08

Remarks: Wabiskaw-McMurray contact detailed log. 1 Box = 1 m scale.

Done as part of Regional Geological Study exhibits by the Staff Submission Group in the omnibus EUB G/B Hearing.

For a more generalized description see record 1 (rec 1). Notes here relate to stratigraphic unit identification and contacts.

METERS	GRAIN SIZE	BIOTURBATION INDEX	ACCESSORIES	ICHOFOSSILS	STAIN	FISSILITY	DEPOSITIONAL ENVIRONMENT	REMARKS
	sand silt clay	v f m c v						Picks: Top Wabiskaw (T21) = 334.6 m; Top Wab C (T11) = 343 m; Top Wab D (T10.5) = 347 m; Top Upper McMurray A1 Seq = 347.59 m; Top McMurray A2 Sequence = 350 m; Top McMurray Chnl Sequence = 361 m; Top Lower McMurray Continental/Fluvial Sequence (E05) = 397.1 m; Top pre-McMurray marl, clastics, karst unit = 408.5 m; sub-Cretaceous unconformity/Top Paleozoic (Pz) = 409 m.



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)

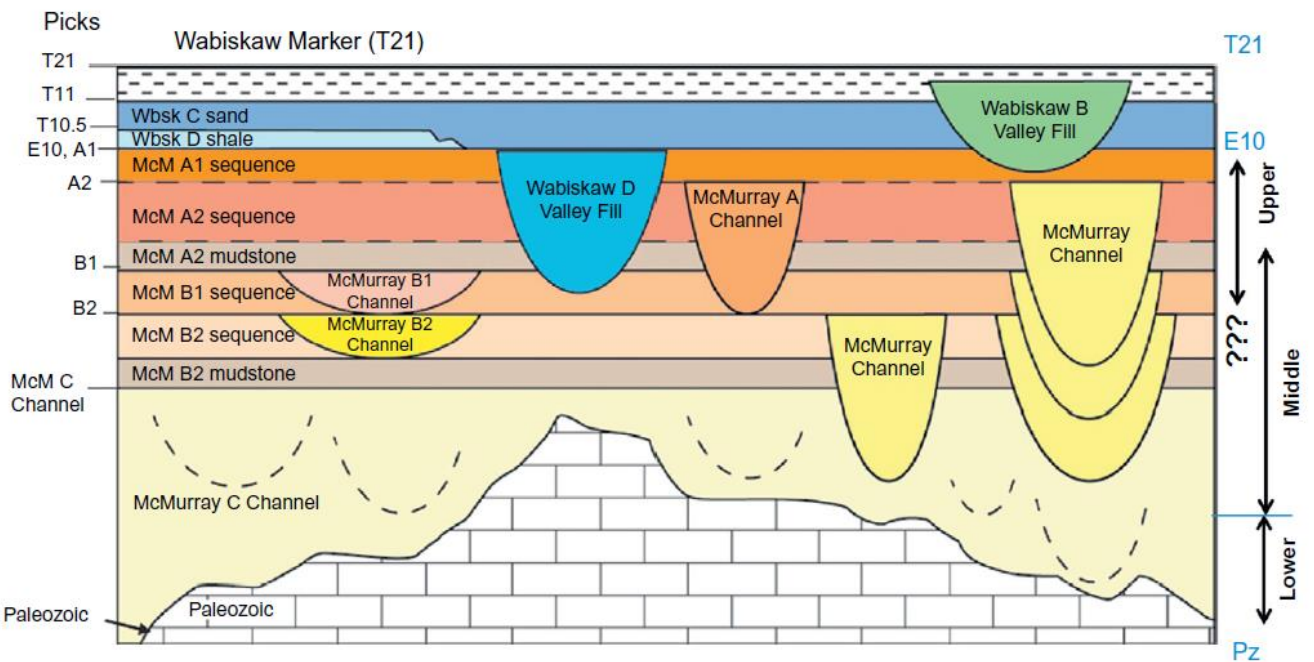
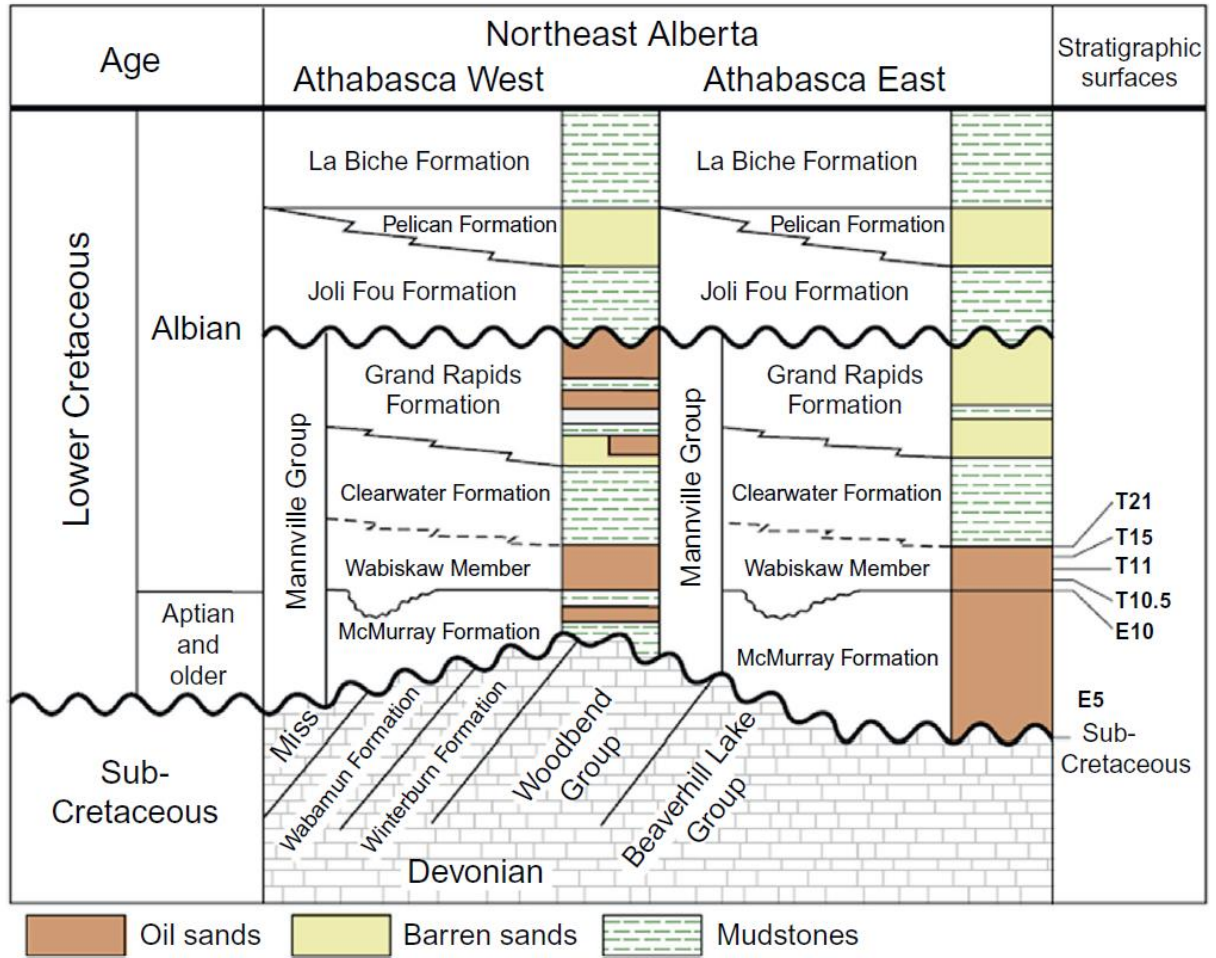
* Abbreviations: Group, Grp.; Formation, Fm.; Member, Mbr.

** 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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