

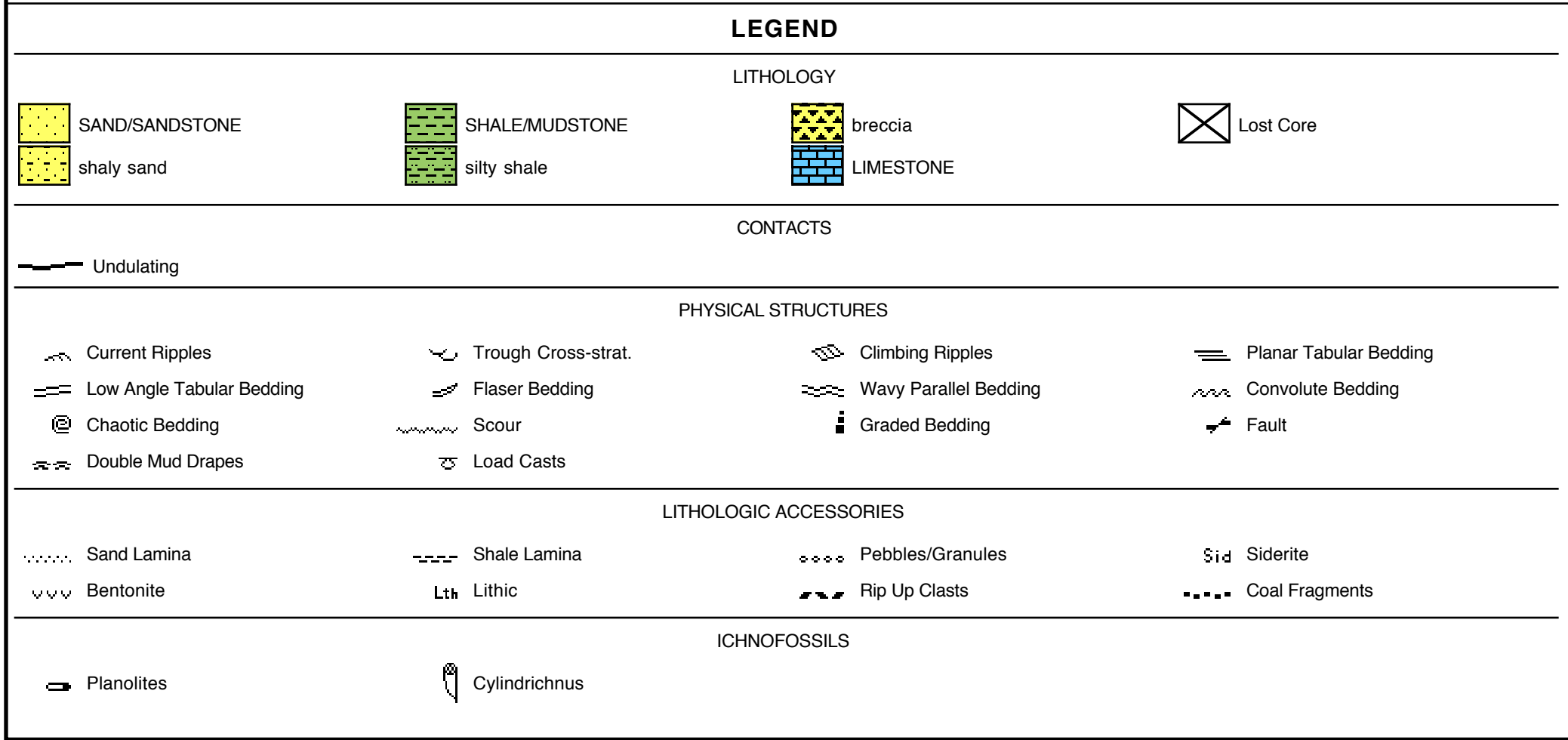
Released as part of Appendix 6 in
AER/AGS Open File Report 2017-08

Ground: 567.8 m (1862.86 ft) KB: 571.2 m (1873.75 ft)

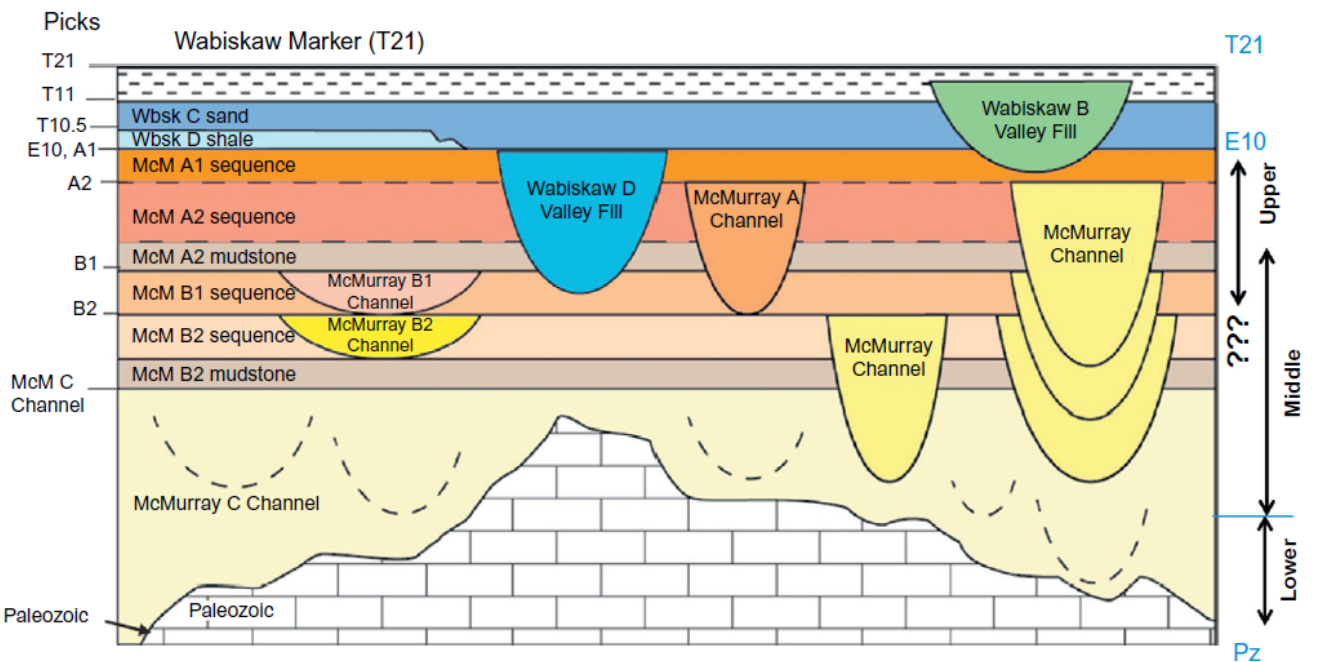
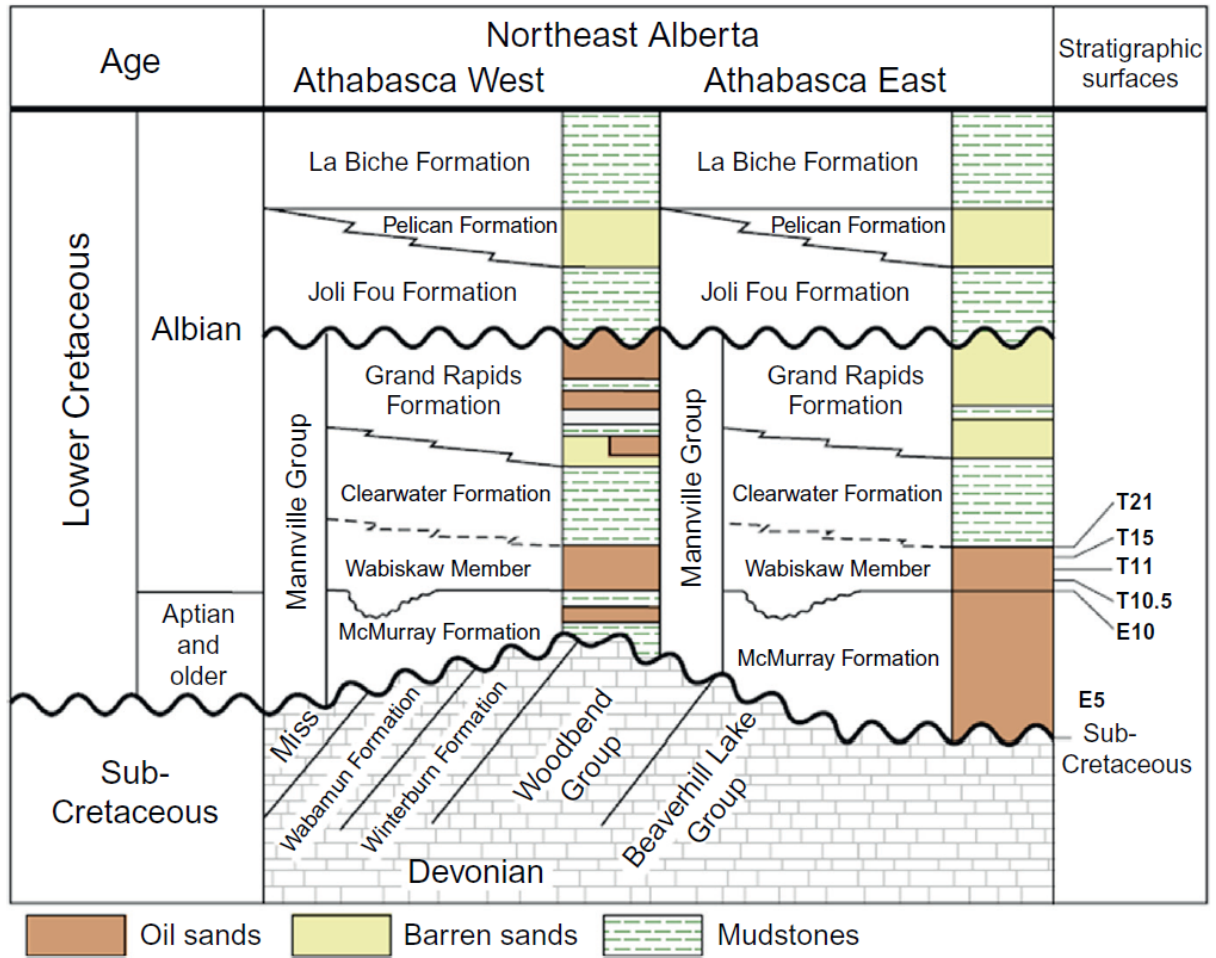
Remarks: Facies associations and picks done for regional mapping. Done as part of the Staff Submission Group (SSG) exhibits for the Chard-Leismer Hearing.

Used later in the Staff Submission Group Regional Geologic Study exhibits in the omnibus EUB G/B Hearing.

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



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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