North Dakota Geological Survey
Report of Investigation No. 122
Plate III

A Sequence Stratigraphic Model for the Inyan Kara Formation, North Dakota

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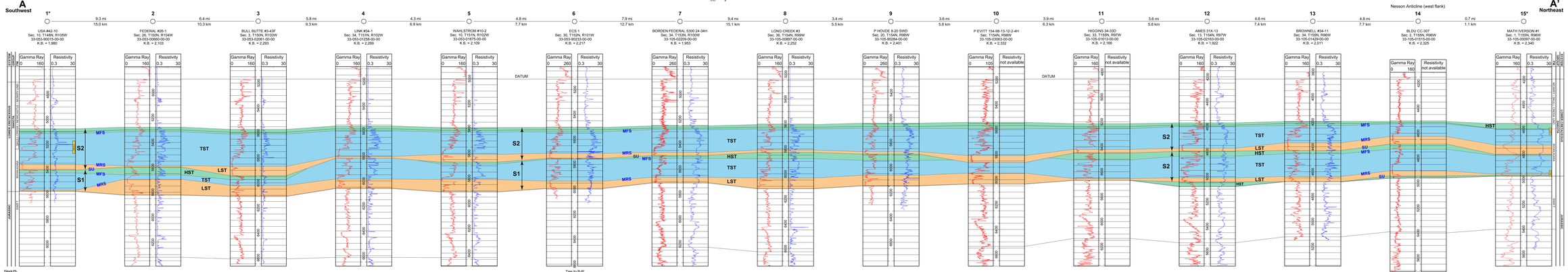
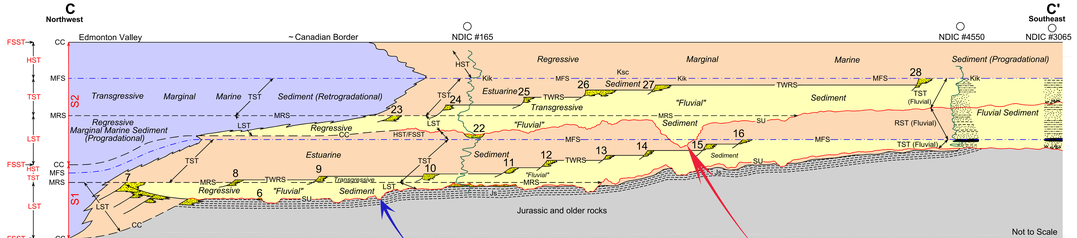
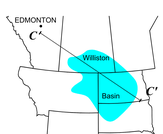


Figure P5.
Cross-section A-A' showing sequence stratigraphic relations of the Inyan Kara Formation in the study area. Asterisk (*) indicates key well for this investigation. HST–Highstand Systems Tract, LST–Lowstand Systems Tract, MFS–Maximum Flooding Surface, MRS–Maximum Regressive Surface, S–Sequence, SU–Subaerial Unconformity, TST–Transgressive Systems Tract.





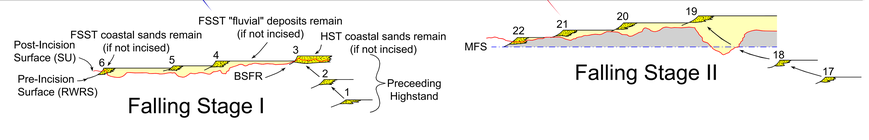


Figure P6.
Inyan Kara sequence stratigraphic model showing evolution of coastline through time (Numbers 1-28), sequence stratigraphic surfaces, systems tracts, and sequence boundaries, with Cross-section A-A' above (Fig. P6) for comparison. See text for details. S1–Sequence 1, S2–Sequence 2, RWRS–Regressive Wave Ravinement Surface, TWRS–Transgressive Wave Ravinement Surface, Jr–Jurassic Swift Formation, Kik–Cretaceous Inyan Kara Formation, Ksc–Cretaceous Skull Creek Formation, see Figure 5 for other abbreviation definitions.