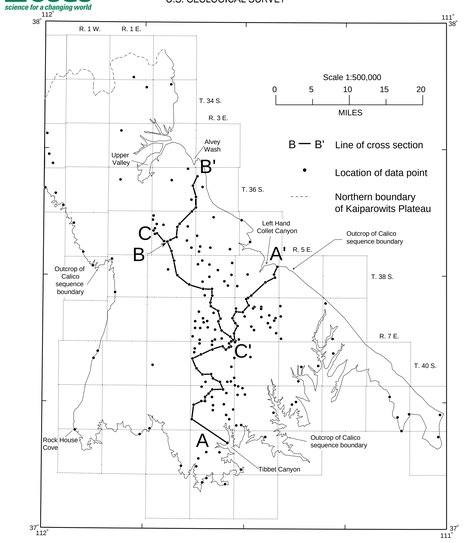

Figure B. Location of lines of section for cross sections A-A', B-B', and C-C'.

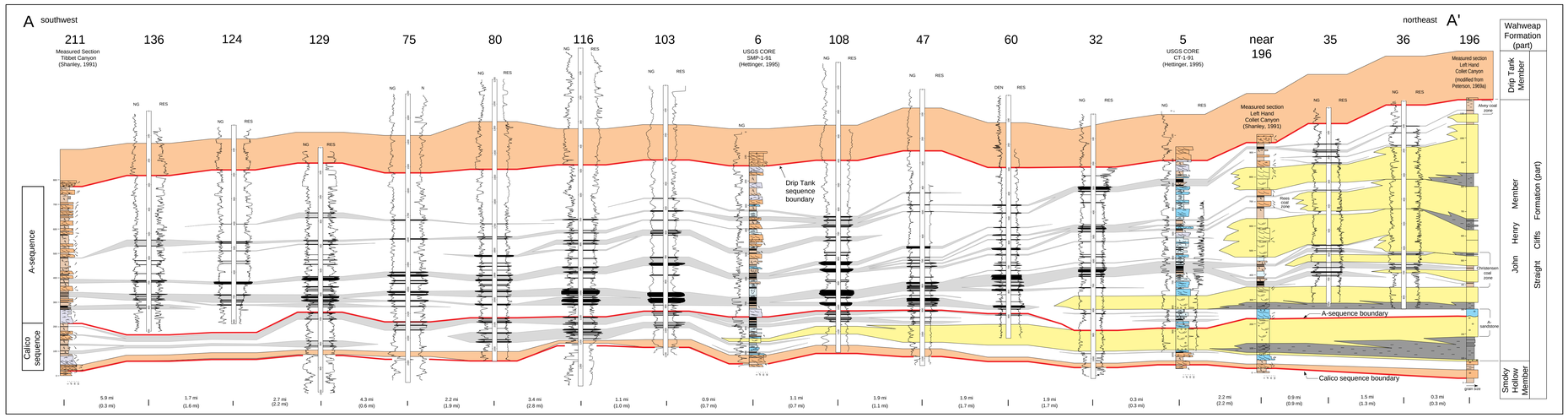

Figure C. Coal correlations in the Calico and A-sequences along cross section A-A'. The cross section is located in the southern part of the Kaiparowits Plateau (fig. B on pl. 1) and trends perpendicular to paleoshorelines. Drill holes are located by map number on figure A of plate 1 and are identified in Appendix 1.

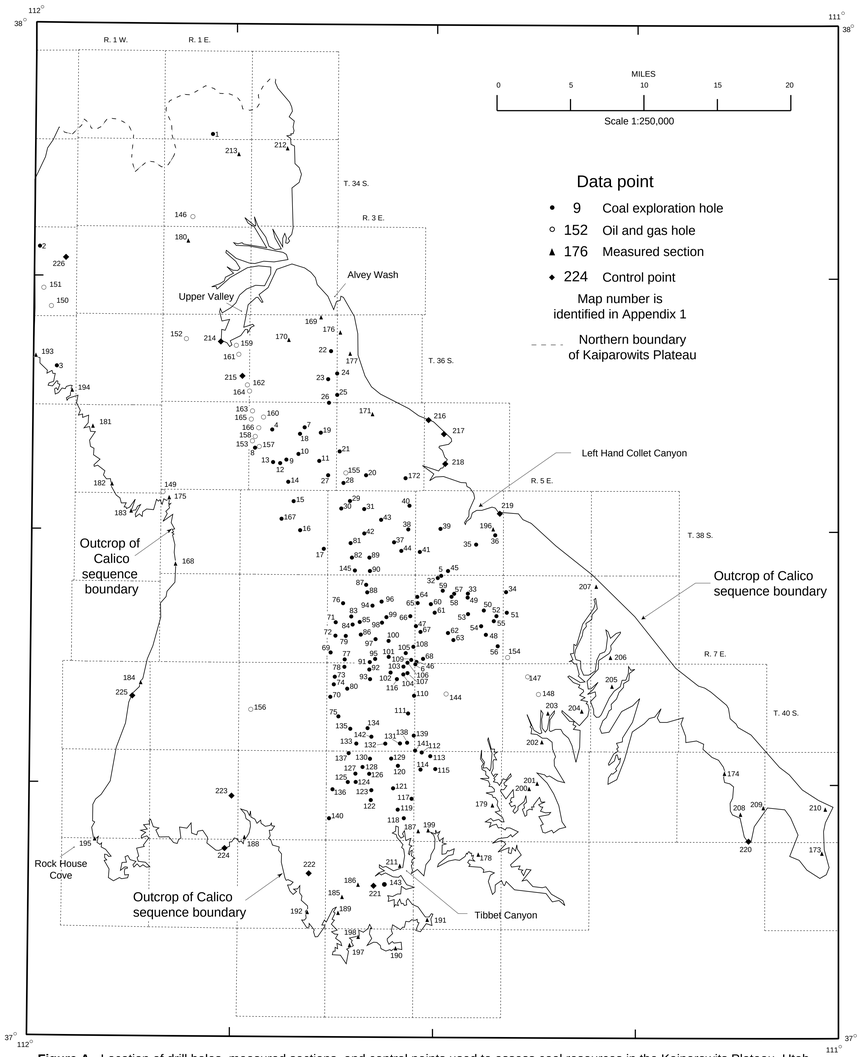

Figure A. Location of drill holes, measured sections, and control points used to assess coal resources in the Kaiparowits Plateau, Utah. Data points are identified by map number in Appendix 1.

Explanation for figures C-E

- Trough or planar tabular cross-stratificaton
- Swaley cross-stratification
- Hummocky cross-stratification
- Horizontal or subhorizontal bedding
- Ripple cross-lamination
- Flaser bedding
- Wavy bedding
- Lenticular and streaky bedding
- Convoluted bedding
- Double mud drapes or carbonaceous drapes
- Roots
- Bioturbated
- Bivalve shell fragments
- Paleocurrent direction
- Sequence boundary, (dashed where approximate)

Grain size abbreviations

c	clay
vf	very fine grained sand
m	medium grained sand
vc	very coarse grained sand

Geophysical log abbreviations

NG	natural gamma log (values increase to right)
Den	density log (values increase to left)
Res	resistivity log (values increase to right)

Scale

4.5 mi (3.5 mi) — Distance between drill holes and measured sections. Distances in parentheses are measured perpendicular to paleostrandlines.

meters 30–0, feet 100–0 — vertical scale

Depositional environments and lithology

- Upper shoreface
- Lower shoreface
- Tidally influenced (sandstone dominated)
- Tidally influenced (mixed sandstone and mudrock)
- Tidally influenced fluvial
- Fluvial
- Floodplain and mire (coals are black)
- Sandstone
- Mudrock
- Coal zone
- Extraformational pebbles
- Mud clasts

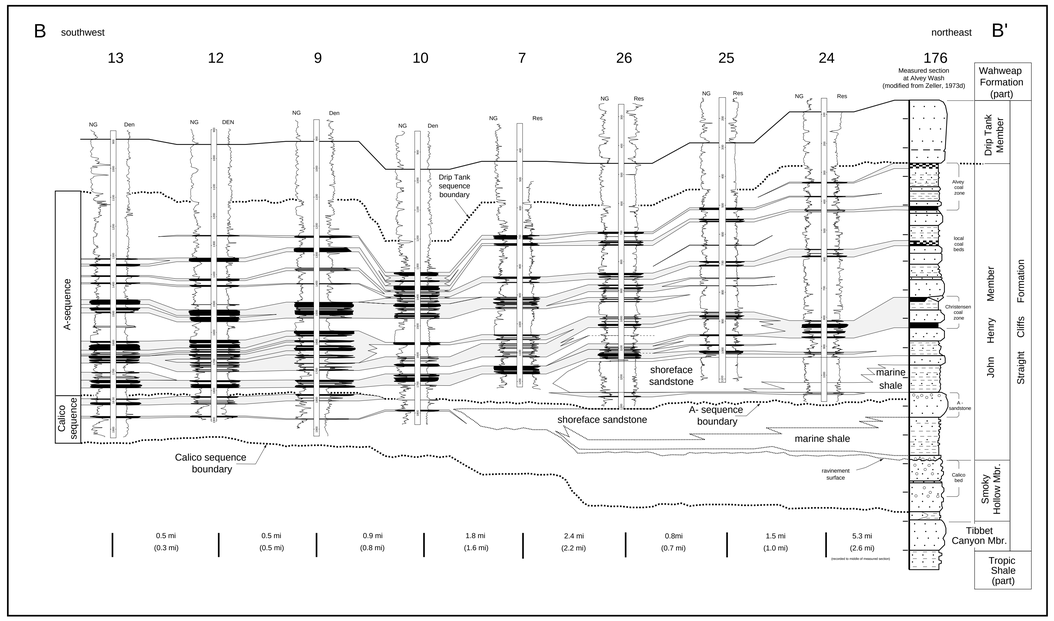

Figure D. Coal correlations in the Calico and A-sequences along cross section B-B'. The cross section is located in the northern part of the Kaiparowits Plateau (fig. B of pl. 1) and trends approximately perpendicular to paleoshorelines. Drill holes are located by map number on figure A of plate 1 and are identified in Appendix 1.

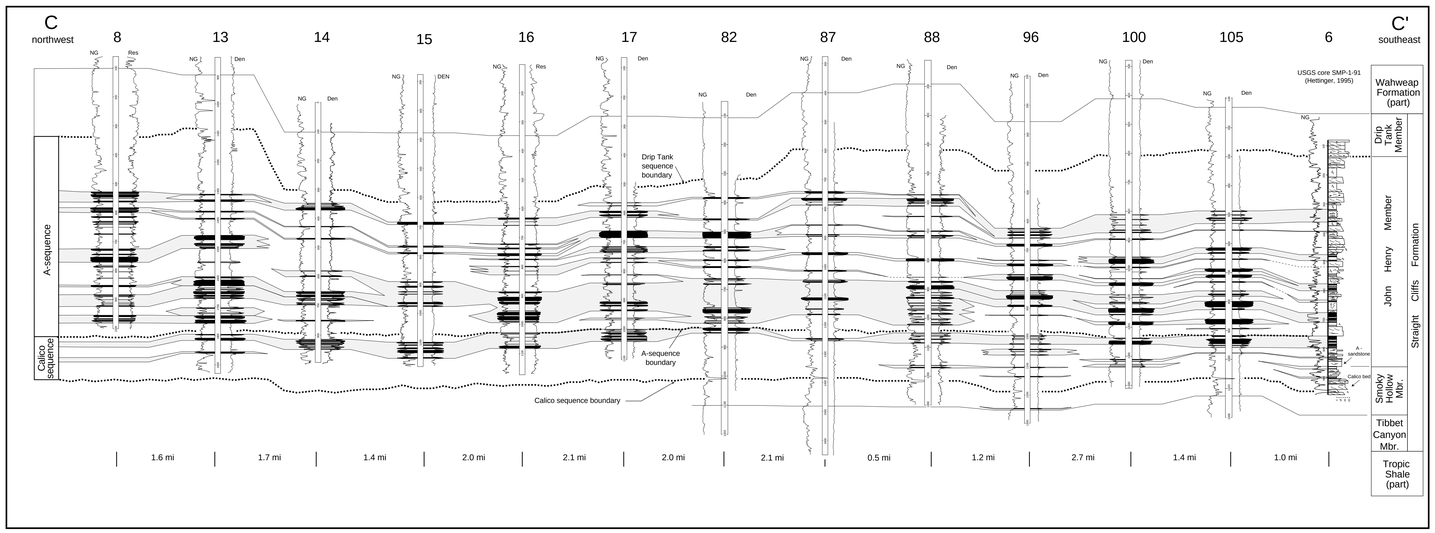

Figure E. Coal correlations in the Calico and A-sequences along cross section C-C'. The cross section is located in the central part of the Kaiparowits Plateau (fig. B of pl. 1) and trends parallel to paleoshorelines. Drill holes are located by map number on figure A of plate 1 and are identified in Appendix 1. The inferred position of the Calico sequence boundary and shoreface strata below the drilled interval are based on stratigraphic studies in Upper Valley (fig. B of plate 1) by Hettinger and others (1994).

Location of Data Points and Correlation Diagrams, Kaiparowits Plateau, Utah

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Return to low-resolution version of plate