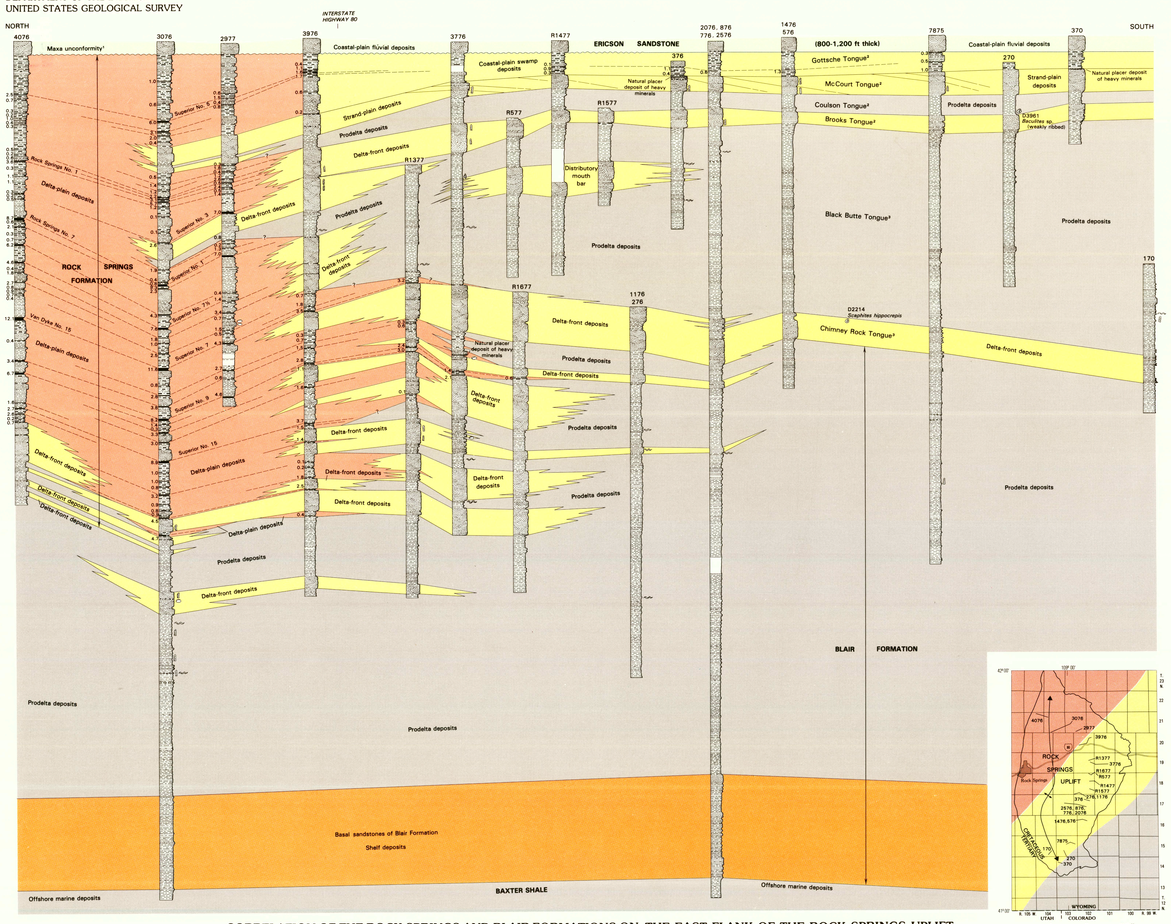
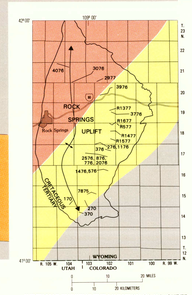
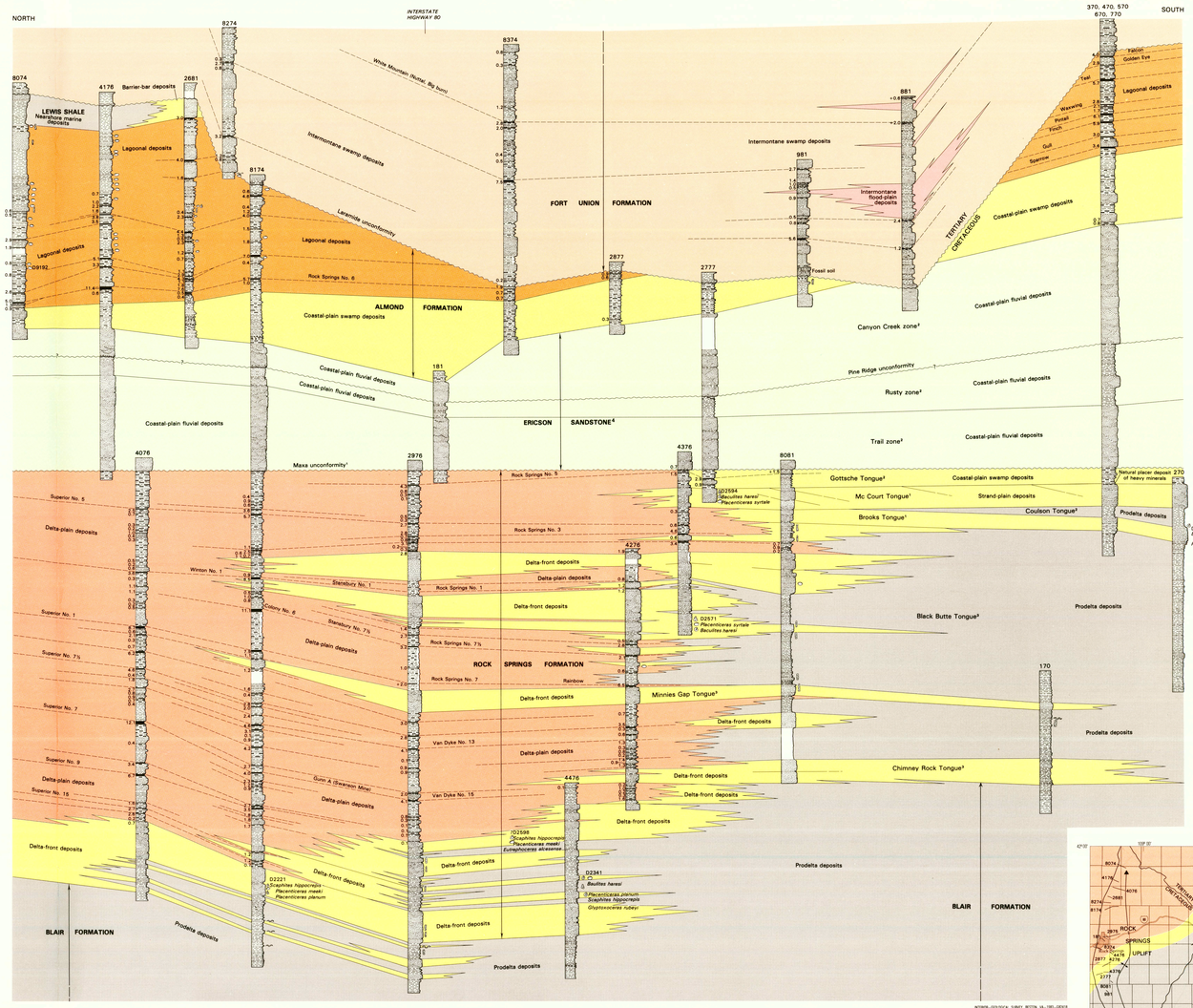


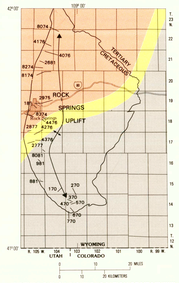
CORRELATION OF THE ROCK SPRINGS AND BLAIR FORMATIONS ON THE EAST FLANK OF THE ROCK SPRINGS UPLIFT



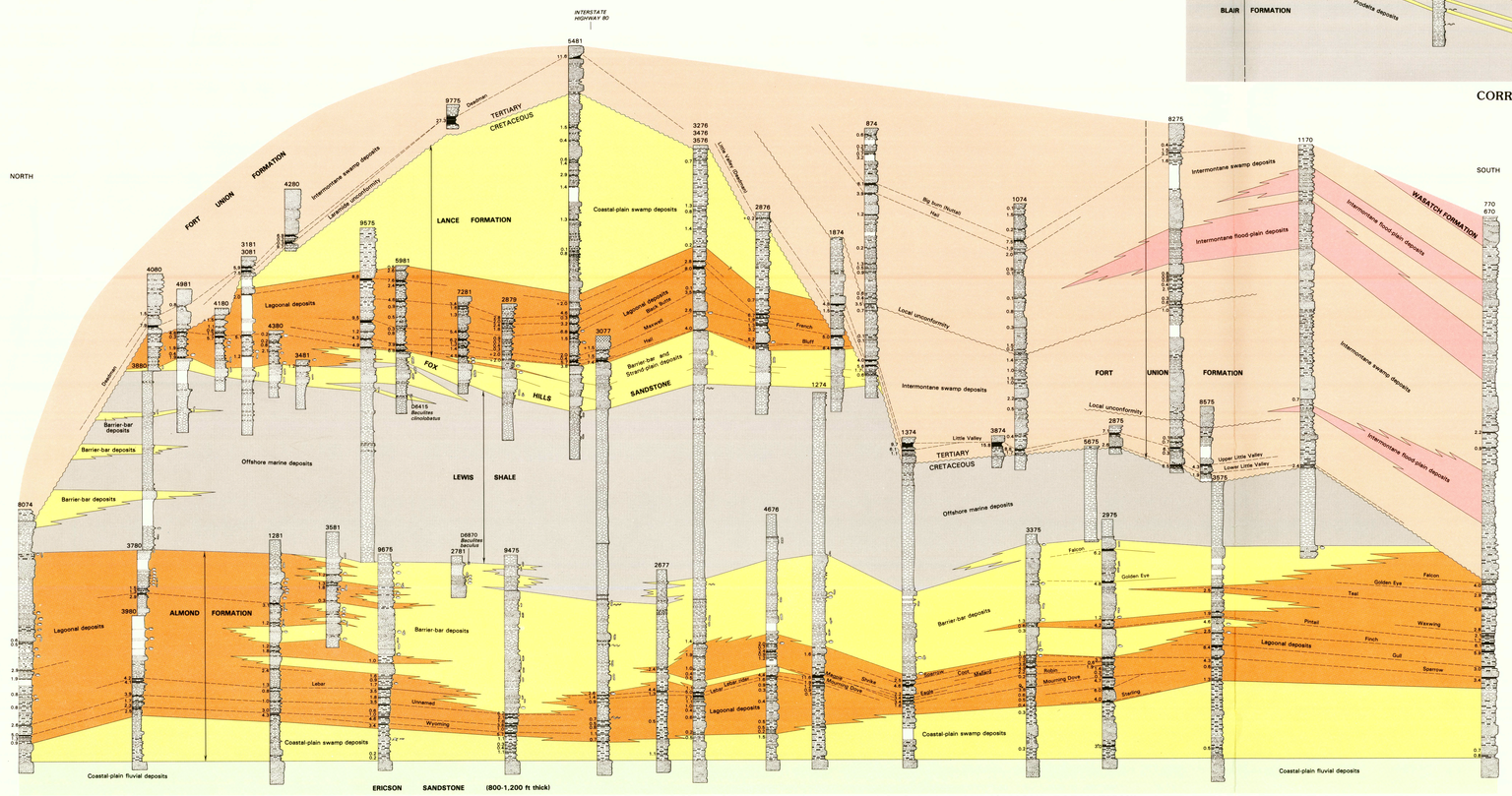
INDEX MAP SHOWING THE LOCATION OF MEASURED SECTIONS AND PALEOGEOGRAPHY OF THE UPPER PART OF THE ROCK SPRINGS FORMATION



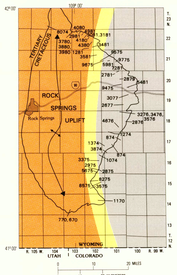
CORRELATION OF THE FORT UNION (PART), ALMOND, ERICSON SANDSTONE, ROCK SPRINGS AND BLAIR (PART) FORMATIONS ON THE WEST FLANK OF THE ROCK SPRINGS UPLIFT



INDEX MAP SHOWING THE LOCATION OF MEASURED SECTIONS AND PALEOGEOGRAPHY OF THE MIDDLE LOWER PART OF THE ROCK SPRINGS FORMATION



CORRELATION OF THE FORT UNION (PART), LANCE, FOX HILLS SANDSTONE, LEWIS SHALE AND ALMOND FORMATIONS ON THE EAST FLANK OF THE ROCK SPRINGS UPLIFT



INDEX MAP SHOWING THE LOCATION OF MEASURED SECTIONS AND PALEOGEOGRAPHY OF THE MIDDLE PART OF THE ALMOND FORMATION

EXPLANATION

Lithologic Symbols

- Conglomerate lenses in sandstone
- Sandstone
- Siltstone
- Shale
- Carbonaceous shale
- Coal
- Burned coal
- Mudstone
- Aragonite
- Concretions—Ironstone, solid; siltstone, dotted

Depositional Environments

- Intermontane swamp deposits
- Intermontane flood-plain deposits
- Coastal-plain swamp deposits
- Lagoonal deposits
- Delta-front, distributary-mouth-bar, barrier-bar, and strand-plain deposits
- Delta-plain deposits
- Coastal-plain fluvial deposits
- Prodelta, nearshore, and offshore marine deposits
- Shelf deposits

Fossil Symbols

- Pelecypods—Mainly oysters
- Gastropods
- Crustacean burrows—Mainly *Ophiomorpha* sp.
- Worm borings
- Cephalopods
- Turtle
- Fish
- D6870 Ammonites—Showing USGS locality number
- D6870 USGS fossil locality number
- 8174—Measured section number
- Poorly exposed interval
- Coal thickness (in feet)
- Covered interval
- Pintail — Tentative coal bed correlation—Showing name(s) of bed
- Coal bed splits
- Unconformity
- Facies contact—Queried where facies relations are unknown (possibly erosional in places)
- Formation contact

VERTICAL SCALE
FEET METERS
100 50 0
100 50 0

HORIZONTAL SCALE
0 5 10 MILES
0 5 10 15 KILOMETERS

[1]Roehler, H.W., 1965, Pre-Laramide restored section, Late Cretaceous rocks, southwest Wyoming and northwest Colorado in Wyoming Geol. Assoc. Guidebook 19th Ann. Field Conf., Sedimentation of Late Cretaceous and Tertiary outcrops, Casper, Wyoming; fig. 1, p. 10.

[2]Smith, J.H., 1961, A summary of stratigraphy and paleontology, Upper Colorado and Montanan groups, south-central Wyoming, in Wyoming Geol. Assoc. Guidebook 16th Ann. Field Conf., Symposium on Late Cretaceous rocks, Wyoming and adjacent areas, Casper, Wyoming; p. 101-112.

[3]Hale, L.A., 1950, Stratigraphy of the Upper Cretaceous Montana Group in the Rock Springs uplift, Sweetwater County, in Wyoming Geol. Assoc. Guidebook 5th Ann. Field Conf., Southwest Wyoming, Casper, Wyoming; p. 49-58.

[4]Wyoming Stratigraphic Nomenclature Chart, Revised by Stratigraphic Nomenclature Committee, Wyoming Geological Association, 1969, in Wyoming Geol. Assoc., Guidebook, 25th Ann. Field Conf., The Geology and Mineral Resources of the Greater Green River Basin, Casper Wyoming; p. 8.

STRATIGRAPHY OF UPPER CRETACEOUS AND LOWER TERTIARY OUTCROPS IN THE ROCK SPRINGS UPLIFT, WYOMING

By
Henry W. Roehler

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