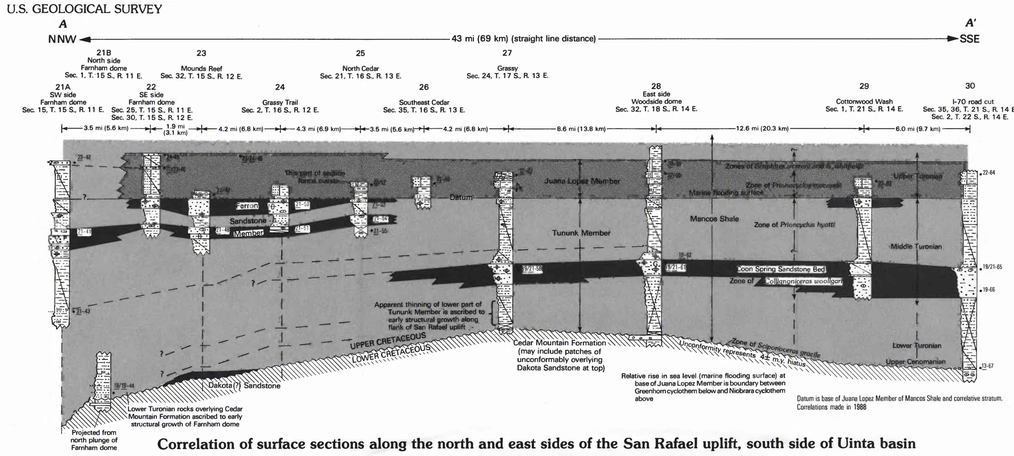
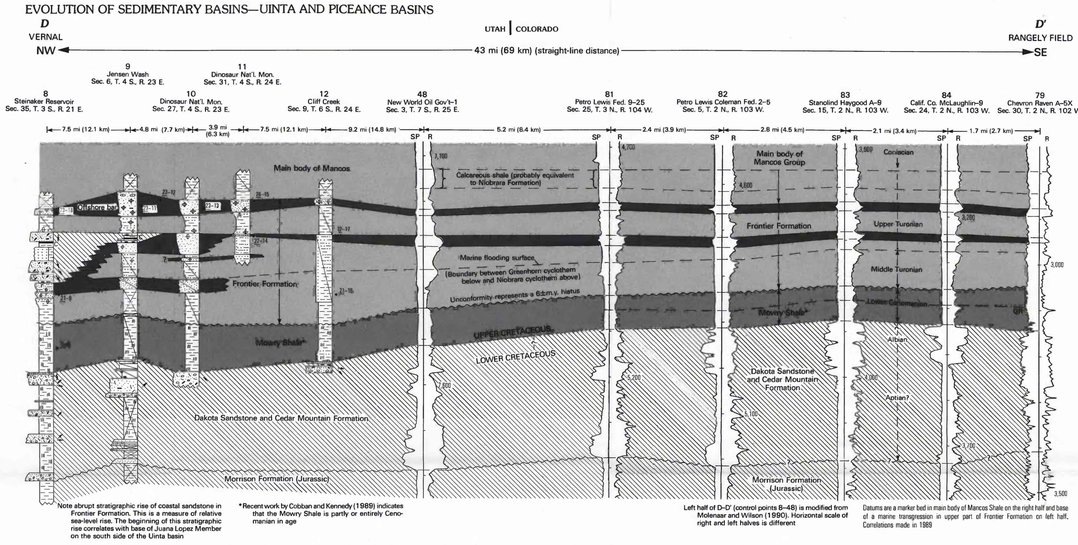



**Correlation of surface sections along the north and east sides of the San Rafael uplift, south side of Uinta basin**



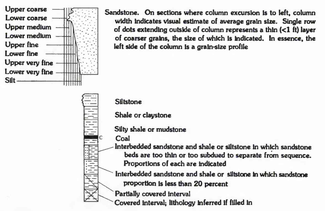

**Correlation of drill hole logs and surface sections along the northeast side of the Uinta basin**

## EXPLANATION

### ACCESSORIES, MODIFIERS, AND SEDIMENTARY STRUCTURES

- Pebbles
- Shale clasts or galls
- Concretions
- Carbonaceous
- Calcareous
- Bentonite or bentonitic
- Crossbedded
- Trace fossils (burrows)
- Bioturbated (churned)
- Root casts
- Fossiliferous

### GENERAL LITHOLOGY SYMBOLS




### LITHOFACIES PATTERNS

- Nonmarine deposits
- Nonmarine or nonmarine-marine transitional deposits
- Marine shelf and coastal sandstone
- Thin-bedded, very fine grained sandstone/siltstone, clay shale, and bentonite (Juana Lopez Member)
- Dominantly marine shale and siltstone

### BOUNDARIES AND CORRELATIONS

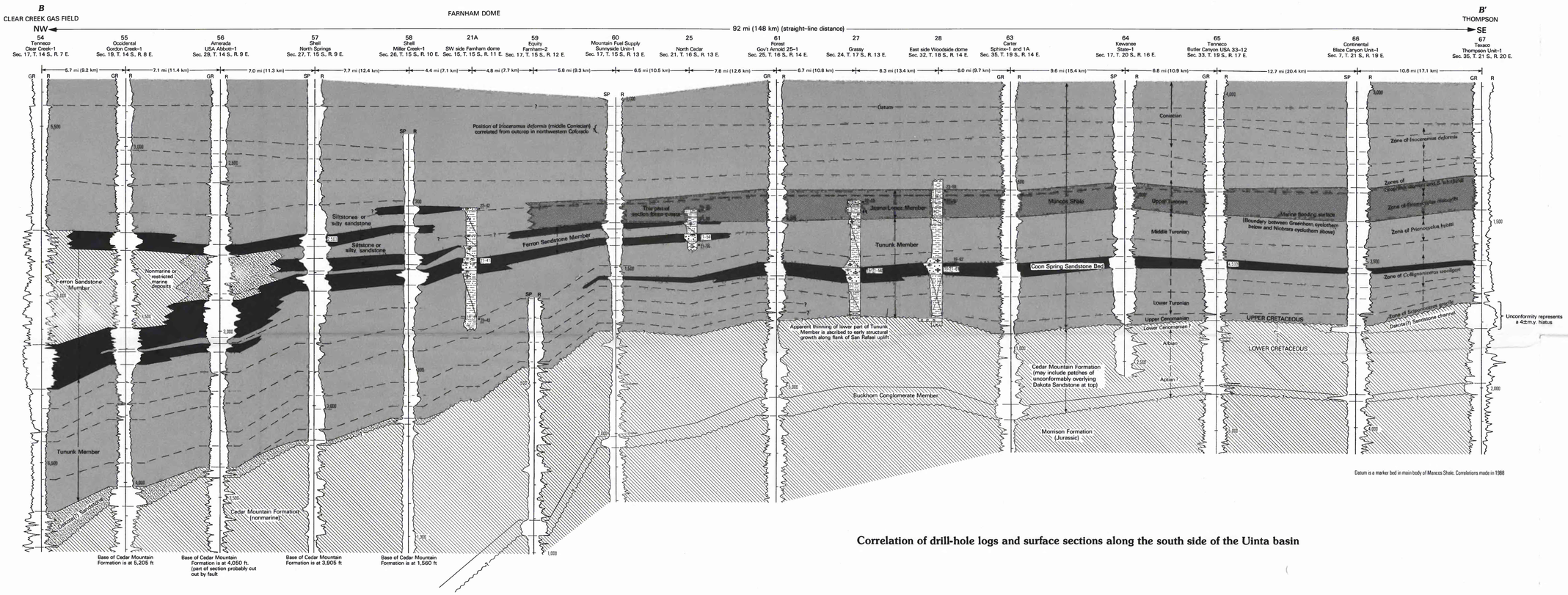
- Lithofacies boundary
- Boundary that rises in stratigraphic position
- Unconformity; queried where position is uncertain
- Bed correlation

### MISCELLANEOUS

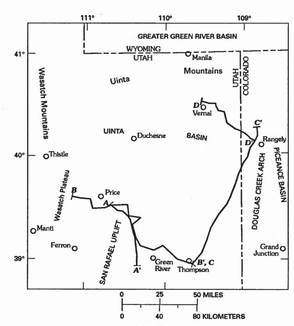
- 21–41* Zone fossil (underlined) and collection number (see fig. 4 and table 2)
- Current direction from crossbeds
- SP Spontaneous-potential curve
- GR Gamma-ray curve
- R Resistivity curve

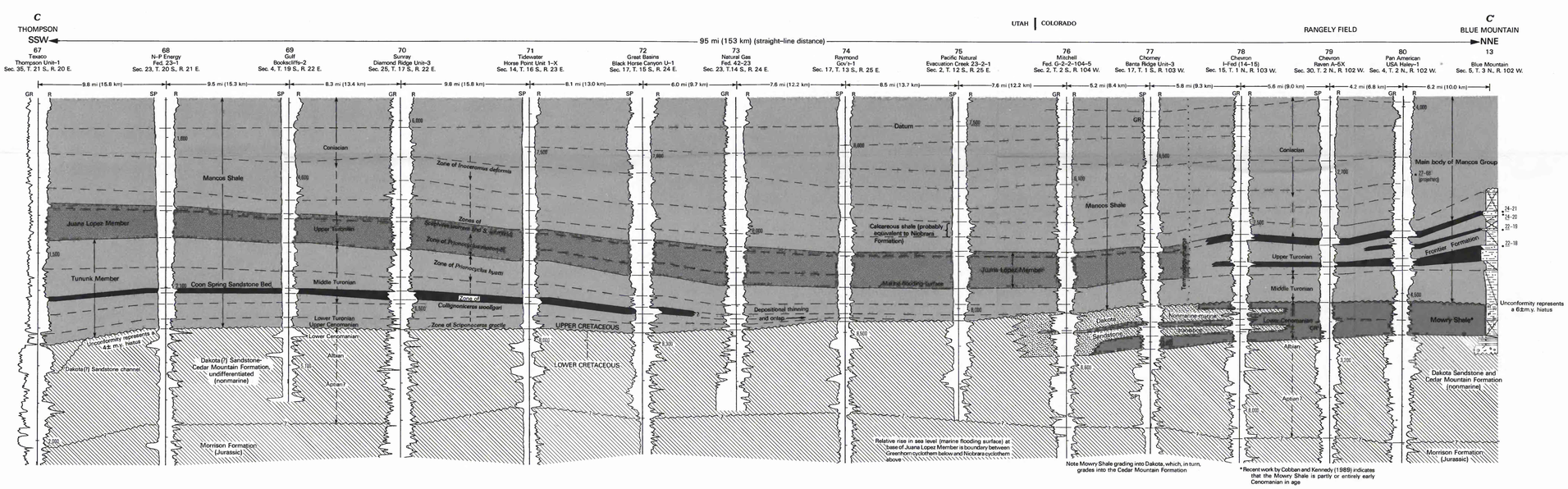
### REFERENCES

Cobban, W.A., and Kennedy, W.J., 1989, The ammonite *Metengonoceras* Hyatt, 1903, from the Mowry Shale (Cretaceous) of Montana and Wyoming: U.S. Geological Survey Bulletin 1787-L, 11 p.
Molenaar, C.M., and Wilson, B.W. 1990, The Frontier Formation and associated rocks of northwestern Utah and northwestern Colorado: U.S. Geological Survey Bulletin 1787-M, 21 p.




**Correlation of drill-hole logs and surface sections along the south side of the Uinta basin**




**Correlations of drill-hole logs along the east side of the Uinta basin**

# STRATIGRAPHIC CORRELATION SECTIONS OF MIDDLE CRETACEOUS ROCKS ON THE SOUTH AND EAST SIDES OF THE UINTA BASIN, NORTHEASTERN UTAH AND NORTHWESTERN COLORADO