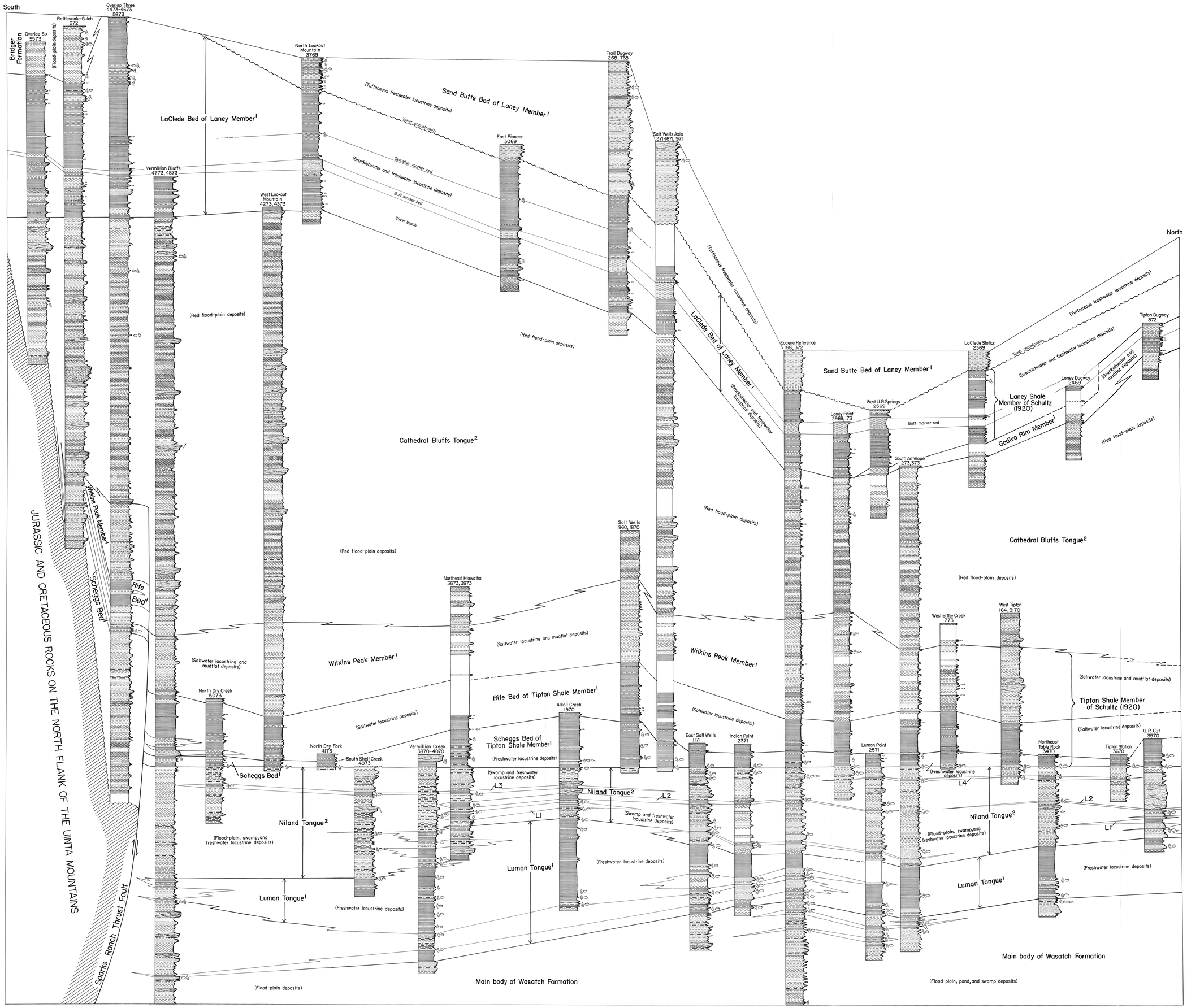


EXPLANATION

- Gray or tan conglomerate
- Gray or tan sandstone. Parallel bedded (top); trough crossbedded (middle); massive or indistinguishable bedding (bottom)
- Gray or tan siltstone
- Gray or green mudstone
- Variegated mudstone with shades of red predominating
- Gray or green shale
- Tan, brown, or black oil shale
- Tan or light-brown slightly kerogenaceous shale
- Brown or dark-gray carbonaceous shale
- Coal
- Gray dolomitic limestone
- Gray or tan tuff
- Gray or tan algal limestone
- Covered
- Gastropods
- Pelecypods
- Ostracodes
- Fish bones and scales
- L1-L4 Persistent lacustrine beds in Niland Tongue
- Sediment transport direction--Azimuth; data from multiple measurements of dip directions of foreset bedding
- Unconformity
- Formation, tongue, or member contact--Partly interbedded. Dashed where approximately located
- Bed correlation or lithofacies contact--Partly interbedded. Dashed where approximately located
- Indian Point 2371 — Section name; Field reference number

200 Feet
100
0
0 5 Miles

REFERENCES

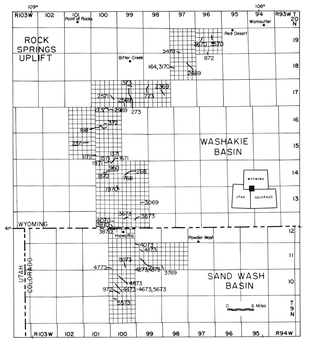
Pipiringos, G.N., 1955, Tertiary rocks in the central part of the Great Divide Basin, Sweetwater County, Wyoming: Wyoming Geological Association Guidebook, 10th Annual Field Conference, p. 100-104.

Roehler, H.W., 1973, Stratigraphic divisions and geologic history of the Laney Member of the Green River Formation in southwestern Wyoming: U.S. Geological Survey Bulletin 1372-E, 28 p.

_____1990a, Revised stratigraphic nomenclature for the Wasatch and Green River Formations, in Geology of the Eocene Wasatch, Green River, and Bridger/Washakie Formations, greater Green River Basin, Wyoming, Utah, and Colorado: U.S. Geological Survey Professional Paper 1506-B.

_____1990b, Godiva Rim Member--A new stratigraphic unit of the Green River Formation in southwest Wyoming and northwest Colorado, in Geology of the Eocene Wasatch, Green River, and Bridger/Washakie Formations, greater Green River Basin, Wyoming, Utah, and Colorado: U.S. Geological Survey Professional Paper 1506-C.

Schultz, A.R., 1920, Oil possibilities in and around Baxter Basin, in the Rock Springs uplift, Sweetwater County, Wyoming: U.S. Geological Survey Bulletin 702, p. 24-31.



INDEX MAP SHOWING LOCATIONS OF MEASURED SECTIONS

¹Green River Formation
²Wasatch Formation

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CORRELATION OF SURFACE SECTIONS OF THE INTERTONGUED EOCENE WASATCH AND GREEN RIVER FORMATIONS ALONG THE WESTERN MARGINS OF THE SAND WASH BASIN, NORTHWEST COLORADO, AND WASHAKIE BASIN, SOUTHWEST WYOMING

By
Henry W. Roehler

1989

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