U.S. Department of the Interior
U.S. Geological Survey

Scientific Investigations Map 3175
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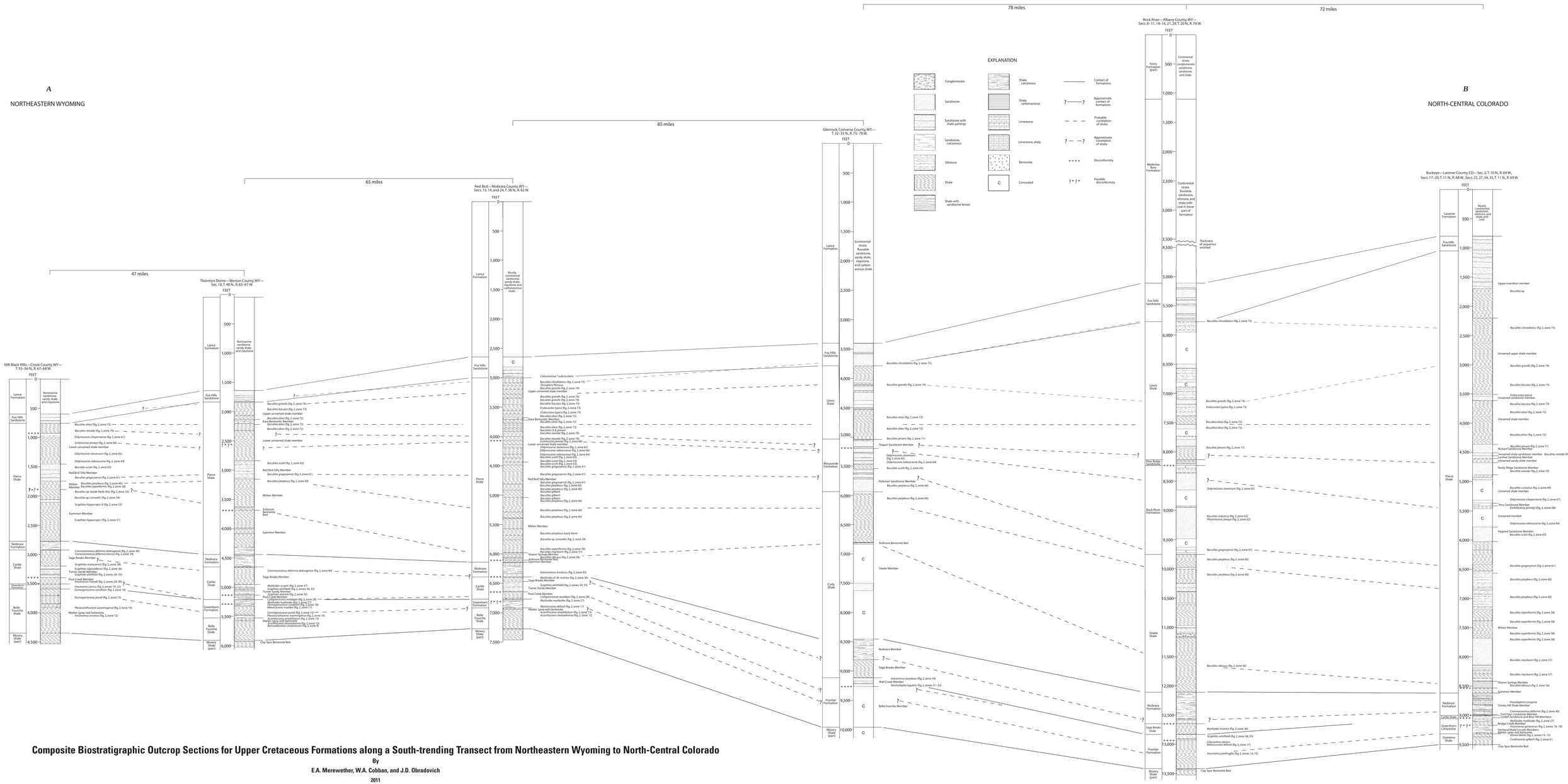
A
NORTHEASTERN WYOMING
47 miles
65 miles
85 miles
78 miles
72 miles
NW Black Hills—Crook County, WY—T.55–56 N., R.67–68 W.
Thornton Dome—Weston County, WY—Sec. 18, T. 48 N., R. 65–67 W.
Red Bird—Niobrara County, WY—Secs. 13, 14, and 24, T. 38 N., R. 62 W.
Glenrock, Converse County, WY—T. 32–33 N., R. 75–78 W.
Rock River—Albany County, WY—Secs. 8–11, 14–16, 21, 29, T. 20 N., R. 76 W.
B
NORTH-CENTRAL COLORADO
Buckeye—Larimer County, CO—Sec. 2, T. 10 N., R. 69 W., Secs. 17–20, T. 11 N., R. 68 W., Secs. 22, 27, 34, 35, T. 11 N., R. 69 W.
FEET
EXPLANATION
Conglomerate
Sandstone
Sandstone with shale partings
Sandstone, calcareous
Siltstone
Shale
Shale with sandstone lenses
Shale, calcareous
Shale, carbonaceous
Limestone
Limestone, shaly
Bentonite
C
Concealed
Contact of formations
Approximate contact of formations
Probable correlation of strata
Approximate correlation of strata
Disconformity
Possible disconformity
Lance Formation
Fox Hills Sandstone
Pierre Shale
Niobrara Formation
Carlile Shale
Greenhorn Limestone
Belle Fourche Shale
Mowry Shale (part)
Nonmarine sandstone, sandy shale, and claystone
Mostly continental sandstone, sandy shale, claystone and carbonaceous shale
Continental strata—predominantly sandstone, sandy shale, claystone, and carbonaceous shale.
Ferris Formation (part)
Medicine Bow Formation
Lewis Shale
Rock River Formation
Steele Shale
Sage Breaks Shale
Frontier Formation
Continental strata—predominantly conglomeratic sandstone, sandstone, and shale
Continental strata—fluvatile sandstone, siltstone, and shale with coal in lower part of formation
Thickness of sequence omitted
Laramie Formation
Mostly continental sandstone, carbonaceous shale, and coal
Mesaverde Formation
Cody Shale
Steele Member
Ardmore Bentonite Bed
Gammon Member
Sharon Springs Member
Mitten Member
Pool Creek Member
Red Bird Silty Member
Lower unnamed shale member
Upper unnamed shale member
Kara Bentonitic Member
Trapoot Sandstone Member
Parkman Sandstone Member
Wall Creek Member
Belle Fourche Member
Clay Spur Bentonite Bed
Fox Hills Sandstone
Unnamed sandstone member
Unnamed shale member
Rocky Ridge Sandstone Member
Richard Sandstone Member
Terry Sandstone Member
Hygiene Sandstone Member
Smoky Hill Shale Member
Fort Hays Limestone Member
Codell Sandstone Member
Bridge Creek Member
Hartland Shale Member
Unnamed sandy shale member
Unnamed shale member
Unnamed member
Unnamed upper shale member
Unnamed sandy shale member
Unnamed shale member
Unnamed shale member
Unnamed