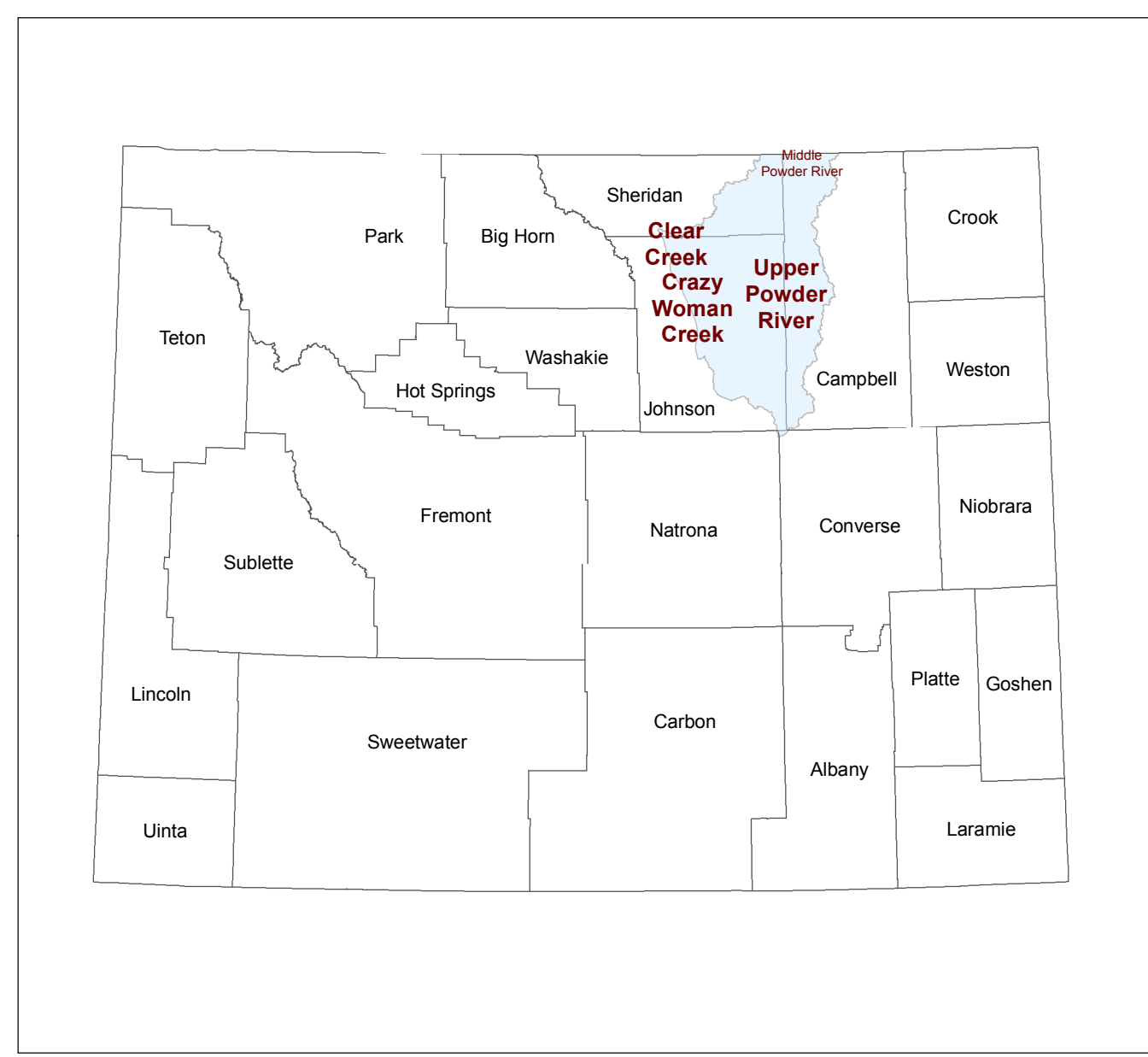


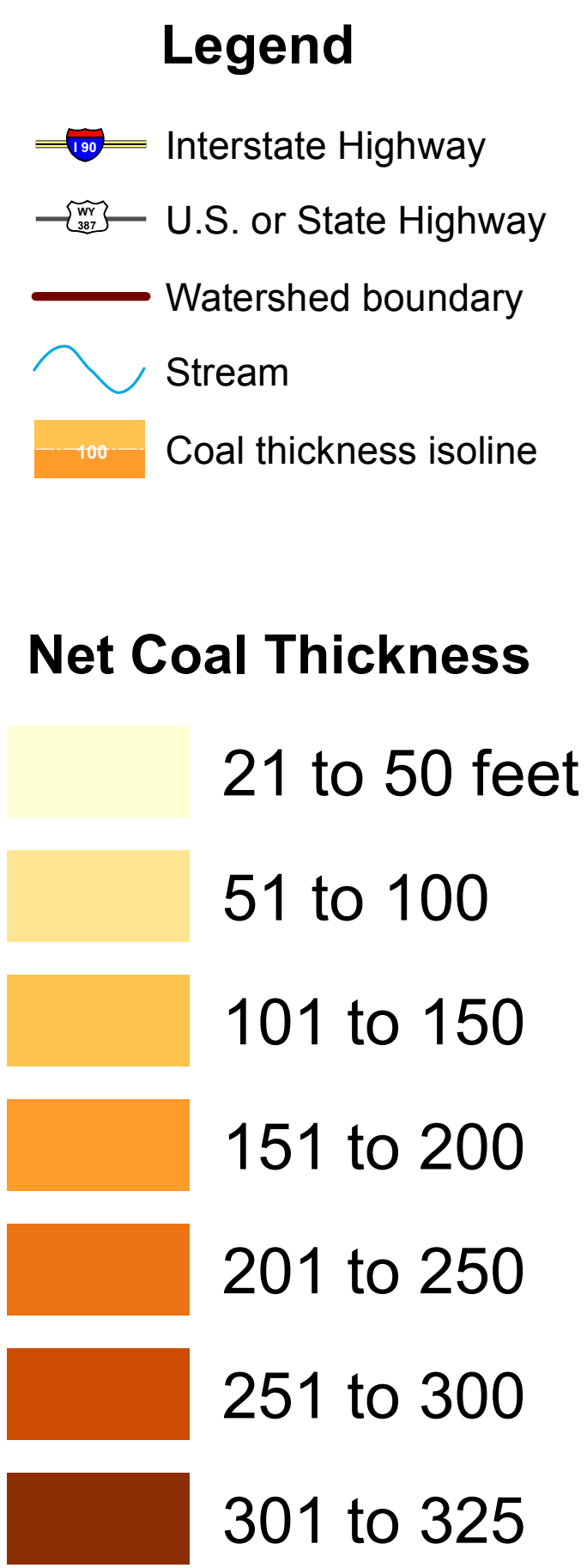
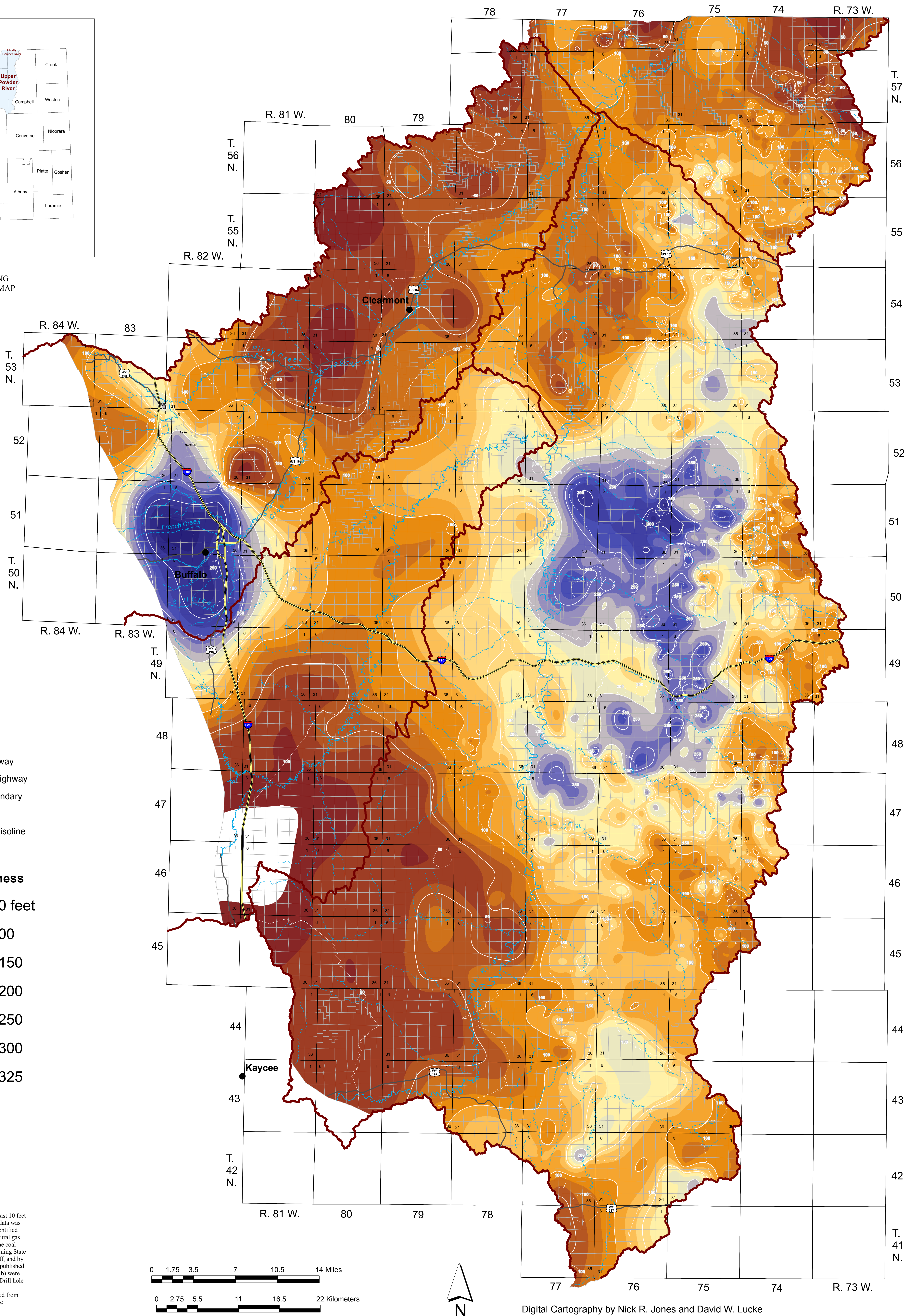
Geology - interpreting the past to provide for the future



Prepared in Cooperation with the
 Wyoming Department of Environmental Quality



NORTHWEST WYOMING
 DRAINAGE LOCATION MAP



EXPLANATION

This map shows well locations and summed coal thicknesses for coal beds at least 10 feet thick in the Fort Union and Washatch formations combined. The coal thickness data was generated from interpretations of 2,256 well logs. Individual coal beds were identified from gamma ray, electric, induction, and density logs. Oil, gas, and coalbed natural gas (CBNG) drill holes that did not have logged intervals through the majority of the coal-bearing units were excluded from this map. Interpretations were made by Wyoming State Geological Survey (WSGS) staff, United States Geological Survey (USGS) staff, and by the private consulting firm of Goolsby, Finley and Associates. Two previously published USGS maps (I-2131-A and I-2131-B by Denson and Crysdale, 1991a and 1991b) were used to compare relative coal thickness and locations of the plotted drill holes. Drill hole location data (latitude, longitude) was obtained from the Wyoming Oil and Gas Conservation Commission (WOGCC) database. Coal occurrence was interpreted from publicly available scanned images of geophysical logs on the WOGCC Web site (<http://wogcc.state.wy.us>).

In the event that anomalous values were encountered in the drill hole, the geophysical well logs were reinterpreted. In most instances these discrepancies were caused by shallow drill holes and/or drill holes whose logged interval did not include the majority of the coal-bearing units.

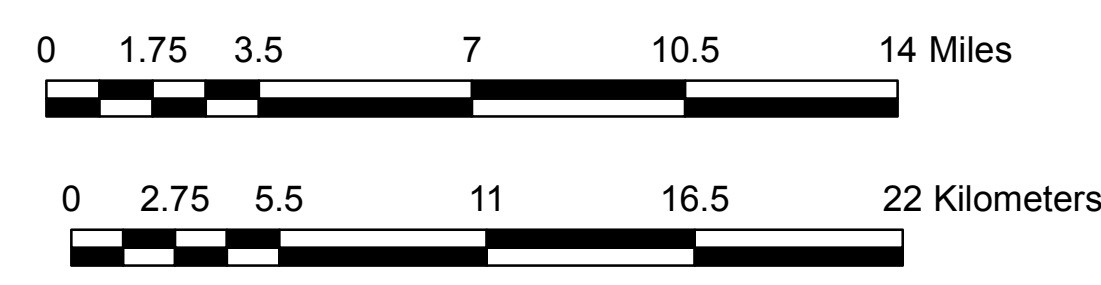
REFERENCES

Denson, N.M. and Crysdale, B.L., 1991a. Geologic map showing total thickness of coal in the north half of the Powder River Basin, northeastern Wyoming. U.S. Geological Survey Miscellaneous Investigations Series Map I-2131-A, scale:1:200,000.

Denson, N.M. and Crysdale, B.L., 1991b. Geologic map showing total thickness of coal in the south half of the Powder River Basin, northeastern Wyoming. U.S. Geological Survey Miscellaneous Investigations Series Map I-2131-B, scale:1:200,000.

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Digital Cartography by Nick R. Jones and David W. Lucke

Net Coal Thickness Within the Powder River Watershed, Wyoming

Nick R. Jones, Scott A. Quillinan, Richard J. Hays, and James R. Rodgers
 2006

DISCLAIMERS

Users of these maps are cautioned against using the data at scales different from those at which the maps were compiled. Using this data at a larger scale will not provide greater accuracy and is, in fact, a misuse of the data.

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