

Information Series 35

**SELECTED REFERENCES RELATED TO COALBED METHANE  
IN THE GREATER GREEN RIVER, PICEANCE,  
POWDER RIVER, RATON, AND SAN JUAN BASINS**



WILLIAMS GAS PROCESSING PLANT, IGNACIO, COLORADO

By Roger Tyler, Naijiang Zhou, R. G. McMurry,  
M. L. W. Jackson, and C. M. Tremain

Colorado Geological Survey  
Department of Natural Resources  
Denver, Colorado  
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# ABBREVIATIONS

Each entry has abbreviation(s) for the coal basin(s) covered in that reference.

<b>GR</b>	Greater Green River Basin
<b>PB</b>	Piceance Basin
<b>PR</b>	Powder River Basin
<b>RB</b>	Raton Basin
<b>SJ</b>	San Juan Basin
<b>UB</b>	Uinta Basin
<b>WR</b>	Wind River Basin

# INTRODUCTION

The exploration, investigation, and development of energy resources in the western United States have generated a vast amount of literature, which appears in professional journals, books, theses and dissertations, public and private agency publications, and data bases. That literature contributed greatly toward the understanding of coalbed methane in Rocky Mountain coal basins (shown on p. 2). This bibliography, a compilation of these references, is designed to assist both academic and industry research efforts on coalbed methane in the Greater Green River, Piceance, Powder River, Raton, and San Juan Basins. These five intermontane basins contain approximately 63 percent (249 Tcf [7.04 Tm<sup>3</sup>]) of the total United States coalbed methane resource (392 Tcf ([11.09 Tm<sup>3</sup>]) and have the potential to make a significant contribution to the United States gas supply.

Thick, laterally continuous Upper Cretaceous shoreline coals and lower Tertiary fluvial coals offer numerous methane targets. These basins are already producing or have the potential for coalbed methane production based on their similar geologic and hydrologic characteristics. A less comprehensive list of references on the Uinta and Wind River Basins is also included.

This book is arranged alphabetically by the surname of the primary author. Where possible each citation is given an abbreviated basin reference for use in geographic or regional location. Although efforts have been made to ensure the accuracy of the entries, errors and omissions may have occurred. Notifying the authors of such errors would be greatly appreciated.



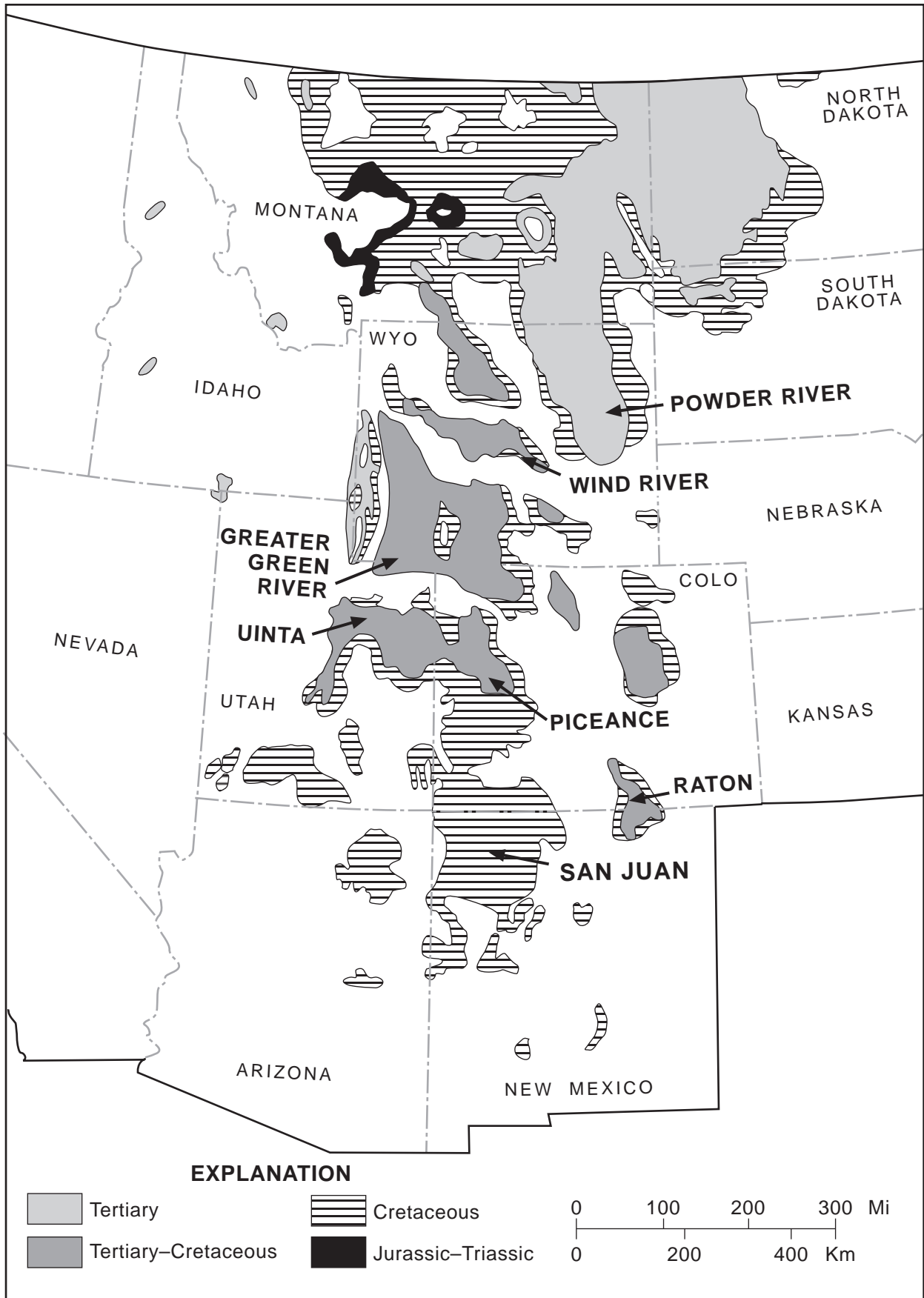


Figure 1. Rocky Mountain coal basins. (Modified from Wood and Bour, 1988)

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