

Coalbed Methane Potential of Interior Coal Basins of British Columbia

Barry Ryan
British Columbia Ministry of Energy and Mines
Geological Survey Branch, Victoria
barry.ryan@gems4.gov.bc.ca

New data is presented for the Tulameen deposit in the Princeton area and some generalizations are made in terms of the resource potential for other interior coal basins. The Tulameen basin contains coal resource in the range of 300 million tonnes and may contain a CBM resource of about 50 Bcf. The rank is high-volatile bituminous B.

The interior coal basins of British Columbia are often small or of ill defined in terms of size. An attempt is made to bring together published and unpublished data on a number of these basins and to discuss their potential for CBM. With the exception of Hat Creek the basins are generally small and may require new production scenarios to justify exploring for CBM. Some are close to local markets and the capital cost of servicing these markets using low-pressure pipelines maybe low. Other basins may provide sufficient gas to supply a co generation electrical power plants. Some small basins may supply small quantities of gas that can be pressured and trucked to adjacent isolated communities or used in portable generators to generate electricity.