

YEAR OF MAXIMUM COAL PRODUCTION BY COUNTY BITUMINOUS COAL PRODUCTION IN THE APPALACHIAN BASIN—PAST, PRESENT, AND FUTURE







basin in the early 1700's, the first production statistics of significance were gathered during the census of 1830 (Eavenson, 1942). Since then, about 35 billion tons of bituminous coal have been produced from the Appalachian basin from an original potential coal reserve ($PCR_{(0)}$) estimated to range from about 60 to 90 billion tons. The term "reserve" refers to economically producible coal and a "potential coal reserve" (PCR_(n)) is an estimate of the amount of coal economically recoverable in a region (state, coalfield) over a defined time period (n =number of years) and under a range of economic, societal, and technological conditions. Thus, the current cumulative production plus the $PCR_{(n)}$ equals an estimated cumulative production (ECP_{in}). This series of maps (plates 1-4) was produced from a digital data base of historical and current coal production records by county. Sources of the original data include various State geological surveys; the U.S. Geological Survey; the former U.S. Bureau of Mines; and the U.S. Department of Energy's Energy Information Administration. This report is part of the U.S. Geological Survey's National Coal Resource Assessment Project.

INTRODUCTION

Although small quantities of coal were first produced from the Appalachian

The Appalachian basin consistently has lead all other regions of the country in coal production, and, until 1970, produced 70 percent or more of the coal

produced in the Nation (fig. 1). Since 1970, however, the relative amount of coal coming from the Appalachian basin has declined from about 70 percent to 43 percent. Historically, coal production from the Appalachian basin may be divided into three economically driven cycles: (1) from the inception of exploration and development of the resource through World War I (1914) to the

Depression; (2) from the Depression through World War II (1944) to the production decline in 1961; and (3) from 1961 through the current period of

approaching a maximum.







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