

**TOPOGRAPHIC AND GEOLOGIC
SURVEY OF PENNSYLVANIA.
REPORT NO. 6. GRAPHITE
DEPOSITS OF PENNSYLVANIA**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649515233

Topographic and Geologic Survey of Pennsylvania. Report No. 6. Graphite Deposits of Pennsylvania by Benjamin L. Miller

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BENJAMIN L. MILLER

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J. C. Branner

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OF PENNSYLVANIA**

REPORT NO. 6

**GRAPHITE DEPOSITS OF
PENNSYLVANIA**



**BY BENJAMIN L. MILLER,
PROFESSOR OF GEOLOGY IN LEHIGH UNIVERSITY.**

Staunton

HARRISBURG:
C. E. AUGHINBAUGH, PRINTER TO THE STATE OF PENNSYLVANIA
1912.

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LETTER OF TRANSMITTAL.

Hon. G. W. McNees, Chairman, and Members of the Topographic and Geologic Survey Commission:

Gentlemen: I have the honor to transmit herewith the manuscript and illustrations of a report on the Graphite Deposits of Pennsylvania, prepared by Dr. Benjamin L. Miller, and recommend its publication as report No. 6.

This is one of a series of reports on the lesser mineral deposits of the State, others being in press and in preparation. In the work of the Second Geological Survey little attention was given to these less important minerals, and their economic value at that time would hardly have justified the necessary investigations during the active years of that Survey. Since the time of the Second Survey many attempts have been made, with more or less success, to open, develop and work many of the deposits of these less important minerals and inquiries are being frequently made regarding them by parties within the State and elsewhere. It seems right therefore that the available data should be collected and placed in such shape as to properly answer these inquiries and furnish the information desired.

It is believed the accompanying report is one that will be appreciated by all interested in the subject of Graphite, both in Pennsylvania and elsewhere. The fact that so many attempts to work the deposits in this State have been failures, at least financially, is pointed out by Dr. Miller, and I think he makes the fact equally clear that these failures have been largely due to the "promoter," rather than the character of the deposits. It is of course true that in some cases the attempt has been made to work mines where the ore was of too low a grade, but it does not seem, from his investigations, that this has been the case generally, but the failure has rather been due to over capitalization and want of proper business management.

The failure of the operators in the graphite deposits in the past by no means shows that future operations will be failures, but all the information contained in the report shows that under proper conditions and the proper business management they should prove a success. The pointing out of the causes which has resulted in

the failures of the past is an important feature of any report which will be of real value to those interested in the subject treated, and with the information contained in this report there should not be a repetition of the past history of the graphite industry.

Very respectfully,

RICHARD R. HICE,

State Geologist.

April 18, 1912.

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