ECONOMIC GEOLOGY

STATE OF MAINE
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MAINE
(KNOX COUNTY)
ROCKLAND QUADRANGLE

69°15′ 10′ 5′ 69°00′ (Castine)
44°15′ 10′ 5′ 44°00′ (Matinicus)

LEGEND

SEDIMENTARY ROCKS

(Areas of subaqueous deposits are shown by patterns of parallel lines; metamorphism is indicated by hachures combined with the line patterns.)

Rockland formation *(white to purple crystalline limestone, limestone conglomerate, and shaly limestone, comprising Rockport limestone member, €Or, with greenish siliceous limestone member, €Os, and Weskeag quartzite member, €Ow, locally at the base.)*

Penobscot formation *(regionally metamorphosed rocks, chiefly slate and schist.)*

Metamorphosed sedimentary rocks *(principally Penobscot formation, injected and further metamorphosed by granite, diorite, and diabase.)*

Battie quartzite *(quartzite and quartzite conglomerate)*

Islesboro formation and Coombs limestone member €c *(slate and schist with shaly and occasionally pure limestones, €c)*

CAMBRO-ORDOVICIAN?
CAMBRIAN?

IGNEOUS ROCKS

(Areas of igneous rocks are shown by patterns of triangles and rhombs.)

Biotite-granite *(fine, medium, and coarse-grained granite)*

Diorite, diabase, and gabbro

SILURIAN OR DEVONIAN

Faults

Strike and dip of joint planes (long end lines indicate gentle dip, short end lines, steep dip)

Strike of vertical joint planes

Known productive formations

Fine-grained granite

Medium-grained granite

Coarse-grained granite

Area within which "black granite" occurs in commercial quantities (chiefly diorite and diabase intrusions in Penobscot formation)

Rockport limestone (in large part suitable for lime)

⚒ *Active quarries*
X *Inactive quarries*

Gravel and clay pits in surficial deposits are shown on the surficial geology map

H. M. Wilson, Geographer.
Hersey Munroe, in charge of section.
Topography by U.S. Coast and Geodetic Survey and T. Foster Slaughter.
Triangulation by U.S. Coast and Geodetic Survey.
Surveyed in 1904.

SURVEYED IN COOPERATION WITH THE STATE OF MAINE.

Geology by Edson S. Bastin, under the supervision of George Otis Smith.
Surveyed in 1905.

SURVEYED IN COOPERATION WITH THE STATE OF MAINE.

Scale 1/62500

1 0 1 2 3 4 Miles

1 0 1 2 3 4 5 Kilometers

Contour interval 20 feet.
Datum is mean sea level.

Edition of Mar. 1908.

APPROXIMATE MEAN DECLINATION 1904.