

GEOLOGY OF STATEN ISLAND PAPERS

A Special Collection in

The Archives and Library of

THE STATEN ISLAND MUSEUM

75 Stuyvesant Place, Staten Island, New York 10301

Arranged by

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Described by

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NATIONAL HISTORICAL PUBLICATIONS & RECORDS COMMISSION

Grant Number 79-124

PROVENANCE:

This storage group was set up to provide an arranged and organized grouping of manuscript, typescript, and printed materials collected since the Institute was founded in 1881. The sources of most of the materials were William T. Davis, Arthur Hollick, Nathaniel Lord Britton, and other founders, and in later years, Lee Ellison, Roswell Coles, Hans Behm, Gilbert Wasserman, Louis Pope Gratacap, Irving Glaser, Steven Okulewicz, Davis Von Der Heide, and others.

These materials were deposited over the past 100 years at the Institute to provide systematic and historic source for the study of local geology.

SCOPE & CONTENT:

The years of references covered are 1813 to 1979.

Roswell Coles researched the history of geological investigations on Staten Island and the body of his research is in box 2, folders 38 and 39. His research is arranged chronologically, following his arrangement, and provides a series of transcriptions from publications beginning with 1813. In addition he provided biographical information about early geologists James Pierce, Samuel Akerly, as well as treatises on their records and discoveries. Samuel Robinson (1825) catalogue of American minerals including the section on Staten Island and Samuel Mitchill's catalogue (1826) are in this series.

Early investigations into serpentine (Akerly, 1842, Lewis C. Beck, idem., Isaacher Cozzens, 1843) are also recorded. Specific articles transcribed regarding rock and mineral systems are grouped within the chronology.

Outside of the Coles series, of special interest are an analysis of Serpentine by Ellison (1950-1952), a manuscript of 14 pages; the Geology of the Great Kills Beach by Okulewicz, an Vonderheide, and The Petrology of the Staten Island Alpine Ultramafic Body by Okulewicz. The last two manuscripts are restricted: they may be consulted, but may not be copied.

The collection also contains the 137-page manuscript on The Geology of the Vanished Limonite Mines of Staten Island by Irving Gaser (1938).

Related printed materials include the rare "Geology of the City of New York" by Louis Pope Gratacap (second edition 1904 and third edition 1909) and the USGS monograph (1906) of the Cretaceous Flora of Southern New York and New England by Arthur Hollick.

Photographs by Arthur Hollick and Bibbins made at the turn of the century of clay mines and outcrops on Staten Island are also filed.

The researcher should be aware of these special collections in the Institutes Archives which should also be consulted for geological references: the William T. Davis Collection (26.wtD), the Arthur Hollick Collection Staten Island Flora; the Gilbert Wasserman Collection: Papers and Maps; Nathaniel Lord Britton and Britton Family Papers; Staten Island Maps and Atlases (especially for the rare USGS 1902 New York City Atlas).

The collection comprises 3 cubic feet. It is unrestricted except for Folders 57 and 59.

GEOLOGY OF STATEN ISLAND

Box Inventories:

Box 1/4	Folders 1-30	Early geological writings: James Pierce, Samuel Akerly, et al. through Hollick	1813-1900
Box 2/2	Folders 31-63	Twentieth-century geology: Dreuckhahn, Garretson, Sears, Broughton, Isaachen, et al., Glaser	1900-1950
Box 3/4	Folders 64-90	Since 1950: Sharp, Okulewicz, Vonderheide, Edwards, Ohan, et al.	1950-1979
Box 4/4	Books	Two editions of Gratacap's Geology of the City of New York, both o.p. Cretaceous Flora of Southern New York, A. Hollick	1904, 1909 1906

Oversized material (sharing print box with S.I. Bird and Nature Club)

S.I. Aqueduct: exploratory borings in vertical profile	ca. 1964
Contours of vertical magnetic Intensity of Staten Island	ca. 1955
Profiles of vertical magnetic intensity and elevation	ca. 1955
Vertical scale and dip exaggerated	ca. 1955

GEOLOGY OF STATEN ISLAND
Accretion:

Box 1 A

Folders
1-20

Ephemerae regarding geological
incidents and locations on
Staten Island

1904-1956