Mineral Occurrences of New York State with Selected References to Each Locality

By ELAINE M. LUEDKE, CHESTER T. WRUCKE, and JOHN A. GRAHAM

CONTRIBUTIONS TO ECONOMIC GEOLOGY

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ILLUSTRATIONS

Plate 9. Map of New York State showing mineral occurrences. In pocket
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MINERAL OCCURRENCES OF NEW YORK STATE, WITH SELECTED REFERENCES TO EACH LOCALITY

By Elaine M. Luedke, Chester T. Wrucke, and John A. Graham

ABSTRACT

References and locations were compiled for more than 1,000 mineral occurrences in New York State. Each occurrence is shown on an accompanying map and is given by commodity and county in a locality list. Fuels, sand and gravel, and clay are not included in this report.

INTRODUCTION

Information on the mineral deposits and occurrences in New York State and the locations of each as shown on the accompanying map (pl. 9) were compiled between August and December 1954 and May and November 1956. Data were assembled on the locations of approximately 1,050 mines, quarries, prospects, salt wells, and surface workings. This work was done in cooperation with the New York State Geological and Natural History Survey.

Information for this report was taken from published sources and the files of the New York State Geological and Natural History Survey; the principal published sources were the New York State Museum Bulletins and publications of the U. S. Geological Survey. All references used are cited in the locality list, and at least one reference to a published source or to the above-mentioned files is given for each deposit shown on the map.

The locations of the mineral occurrences are indicated by symbols (explained in the following list). Of the approximately 1,050 symbols shown, many represent more than one locality thereby increasing the total number of deposits represented. Commodity abbreviations are given beside each symbol, but only the two most important commodities found at the given locality are listed. If two deposits are represented by one symbol, the principal commodity of each deposit is shown.

1 U. S. Geol. Survey.
| An  | Arsenic       | Mo. | Molybdenum  |
| As  | Arsenic       | bri. | Natural brines |
| asb | asbestos      | cem. | Natural cement  |
| Ba  | Barite        | och. | Ochre        |
| Be  | Beryllium     | peg. | Pegmatite    |
| diat | Diatomite | S. | Pyrites     |
| dol | Dolomite      | qxt. | Quartzite   |
| em | Emery         | NaCl | Salt       |
| ffs | Feldspar      | sd. | Sand (foundry) |
| Fe | Fluorspar     | ss. | Sandstone    |
| gar | Garnet        | sp. | Serpentinite |
| gr | Granite       | SiO₂ | Silica      |
| gph | Graphite      | sl. | Slate       |
| gyp | Gypsum        | Sr. | Strontium   |
| Pb | Iron          | talc. | Tale        |
| ls | Limestone     | Ti. | Titanium    |
| Mn | Manganese     | tr. | Trap rock   |
| mbl | Marble        | U. | Uranium     |
| mrl | Marl          | wst. | Wollastonite |
| mc | Mica          | Zn. | Zinc        |
| spa | Mineral water |       |             |

A numbering system is used on the map to key the locality symbols to the corresponding entries in the locality list. The numbers are, for the most part, consecutive by commodities in each county. For example, both the iron and limestone localities in Clinton County are numbered consecutively beginning each with number one. Some numbers are missing where one mine has produced two commodities or where two mines, each producing a different commodity, are represented by the same symbol. In either case, the locality is listed with the same number under each commodity thereby breaking the consecutive order of numbering.

No distinction was made between active and inactive mines or quarries. A distinction was made, however, on the map, “Mineral resources of New York State” by John A. Graham, which was published in 1952 by the New York State Science Service.

**References**


MINERAL OCCURRENCES OF NEW YORK STATE

Clinton County


Essex County

1 an Quarry south of Ausable Forks: Newland, 1921, p. 252; Newland, 1916, fig. 9.
5 an Quarry 1½ miles north of Upper Jay: Miller, 1919, p. 101, map.
6 an Quarry 4 miles north of Upper Jay at southern base of Hamlin mountain: Miller, 1919, p. 101, map.
7 an Quarry just south of The Flume, which is 4 miles northwest of Upper Jay: Miller, 1919, p. 101, map.
8 an; mbl Quarries 3½ miles north of Keene: Miller, 1919, p. 101, map.
9 an; gr Beede's quarry, on south side of Baxter Mountain, 2 miles northeast of Keene Valley: Kemp, 1921, p. 60.

Franklin County

1 an Road-metal quarry 2 miles west of Gabriels: Buddington, 1953, p. 61, map.

ARSENIC

Reference

Orange County

1 As Prospect on Brown farm, between Edenville and Mount Adam: Newland, 1921, p. 29.

Putnam County

1 As Pine Pond deposit, north of Kent Cliffs: Newland, 1921, p. 28.

ASBESTOS

Reference

Warren County

1 asb Deposit 5 miles west of Athol: Newland, 1921, p. 31, 32.

BARITE

References

Jefferson County

1 Ba Mine on Pillar Point: Newland, 1921, p. 33; Merrill, 1904, pl. 6.

BERYL 2a

References

2a If more than two minerals have been mined from a pegmatite, the minerals are not specified and are included under Pegmatite (p. 424).

**Westchester County**

1 fls, Be  Hobby and Bullock quarries, 2 miles southwest of Bedford: Newland and Hartnagel, 1939, p. 18; Newland, 1921, p. 76.

**Reference**


**St. Lawrence County**

Copper has been produced from some of the pyrite mines: Ross, 1935, p. 153.

**Ulster County**

Copper was mined by the Dutch in the vicinity of Ellenville: Ross, 1935, p. 151-152.

**References**


**HAMILTON COUNTY**

1 diat Deposit in Sampson Lake and in Sampson Bog, in west-central part of county: Hartnagel and Broughton, 1951, p. 31.

2 diat Deposit in Mud Lake and deposit in Cat Lake, in west-central part of county, northwest of above-mentioned locality: Hartnagel and Broughton, 1951, p. 31.

3 diat Deposit in Bennett Lake, 2 miles northwest of Hope Falls: Hartnagel and Broughton, 1951, p. 31.


**Herkimer County**

1 diat Deposit in Crooked Lake and deposit in meadow west of the lake, on 44° latitude, 3 miles east of 75th meridian: Newland, 1921, p. 65; Cox, 1893b, p. 99; Hartnagel and Broughton, 1951, p. 31.
MINERAL OCCURRENCES OF NEW YORK STATE

2 diat Deposit in Clear Lake and deposit in Chub Pond (probably Mud Pond on Big Moose quadrangle), southeast of deposit mentioned above: Newland, 1921, p. 65; Cox, 1893b, p. 100; Hartnagel and Broughton, 1951, p. 31.

3 diat Deposit in White Lead Lake, small keyhole-shaped lake north-northwest of Bullhead Pond which is 1 mile northwest of Wilmurt: Newland, 1921, p. 65; Cox, 1893a, p. 219; Hartnagel and Broughton, 1951, p. 31.

4 diat Deposit in the lower of Five Ponds, 2 miles south of the St. Lawrence County line: Cox, 1893b, p. 100.

5 diat Deposit in Riley (or Roilly) Pond, west of Crooked Lake (see above) and north of 44° latitude: Cox, 1893b, p. 99; Hartnagel and Broughton, 1951, p. 31; Newland, 1921, p. 65.

6 diat Deposit in Hawk Lake (probably Hawk Pond in Big Moose quadrangle), 3 miles southwest of Crooked Lake: Newland, 1921, p. 65.

Suffolk County

1 diat Deposit at Cold Spring Harbor: Newland, 1921, p. 66; Merrill, 1895, p. 555.

DOLOMITE

References


New York State Geol. Survey files.


Clinton County
1 dol Quarry west of Plattsburg: Eckel, 1905, p. 523.
2 dol Quarry of Clinton County Highway Department, 2 miles northwest of Plattsburg: New York State Geol. Survey files.

Dutchess County
2 mbl; dol Quarries on hill 2½ miles northeast of South Dover station, and Amco quarry, near Artificial Lake south of Ellis Pond, 2 miles east of Dover Furnace: Ries, 1901, p. 778; Newland, 1921, p. 258; Hartnagel and Broughton, 1951, p. 62–63.
3 dol; sd Quarry 2 miles north of New Hamburg at Stoneco (Clinton Point): Ries, 1901, p. 779, pl. 35; Graham, 1952, map; Gordon, 1911, p. 53.
4 dol Ruppert quarry, southeast of Poughkeepsie: Gordon, 1911, p. 48–53.

Essex County
1 dol Quarry in Schroon Lake village: Miller, 1919, p. 99.
2 dol; sd Quarries at Willsboro: Buddington and Whitcomb, 1941, p. 124.

Fulton County
1 dol Quarry east of Mayfield: Ries, 1901, p. 783.

Hamilton County
1 dol; peg Quarry a third of a mile east of Wells: Miller, 1916, p. 72, map.
2 dol; ls Quarry near Hope: Miller, 1916, p. 72, map.

Herkimer County
1 dol Quarries at Little Falls: Ries, 1901, p. 787; Newland, 1921, p. 259.
2 dol Quarry northeast of Poland: Kay, 1953, p. 111.

Lewis County
1 dol Quarry on Hungerford farm, near Lewisburg, 3 miles north of Natural Bridge: Ries, 1901, p. 814–815.

Madison County
1 dol Quarry at Oneida: Ries, 1901, p. 793.
2 dol Quarry 1¾ miles northeast of Canastota on the South Bay Road: Ries, 1901, p. 793.

Monroe County
2 dol Quarry at Penfield: Ries, 1901, p. 795.
3 dol Quarry at East Penfield: Ries, 1901, p. 795.
Montgomery County

1 dol Quarrles at Tribeshill: Ries, 1901, p. 798, 754; Newland, 1921, p. 259.

2 dol Quarrles 1 mile east of Fort Hunter: New York State Geol. Survey files.

3 dol George Ross quarry, on east edge of Amsterdam: Ries, 1901, p. 799; Newland, 1921, p. 259.

4 dol Quarrles at Canajoharie and Palatine Bridge: Ries, 1901, p. 799.

5 dol Quarrles at St. Johnsville: Ries, 1901, p. 799.

6 dol Quarrle east of Cranesville: Graham, 1952, map.

7 dol Quarrle west of Pattersonville: Graham, 1952, map.

Niagara County

1 dol Quarrly east of Gasport: Newland, 1921, p. 262.

2 dol Quarrly at Pekin: Newland, 1921, p. 262.

3 dol Quarrly southwest of Lockport: Graham, 1952, map; Newland, 1921, p. 263.

4 dol Quarrly west of Sanborn: Graham, 1952, map.

5 dol Quarrly 1½ miles east of Lockport along canal: Ries, 1901, p. 801.

6 dol Wm. Messing quarry, south of Niagara Falls: Ries, 1901, p. 801; Newland, 1921, p. 263.

Oneida County

5 Fe; dol Dawes quarries, north of Dawes Creek and Kellogg St., just east of Clinton: Dale, 1953, p. 183.

Onondaga County

1 dol Diedrich's quarrl, at Lysander village: Ries, 1901, p. 803.

2 dol Quarrly at Cicero: Ries, 1901, p. 803.

Orange County

1 dol Miller quarrly on southwest edge of Newburgh: Ries, 1901, p. 809; Newland, 1921, p. 260.

Orleans County

1 dol Quarrly at Shelby: Ries, 1901, p. 810.

Putnam County

1 dol Quarrly at Patterson: Ries, 1901, p. 811; Graham, 1952, map.

2 dol Quarrly at Towners, 1 mile northwest of New England Railroad: Ries, 1901, p. 811.

Rockland County

1 dol Quarrly at Tompkins Cove: Ries, 1901, p. 809.

St. Lawrence County

1 dol Quarrly at Madrid: Chadwick, 1920, p. 52, map.

2 ls; dol Howard's quarrly, at Ogdensburg and quarries 1 mile west of Ogdensburg: Ries, 1901, p. 812-813; Cushing, 1916, p. 41, pl. 5, 6.

3 dol Quarrly north of Norwood: Graham, 1952, map.


Saratoga County

1. dol  Quarries 3 miles west of Saratoga Springs at South Greenfield: Cushing and Ruedeman, 1914, p. 38-41, 151.

2. dol; ls  Quarry on Maple Avenue on the northern edge of Saratoga Springs: Cushing and Ruedeman, 1914, p. 43, 150.


Ulster County

2. sd; dol  Kerr's quarry, three-fourths of a mile south of Marlboro Station: Gordon, 1911, p. 109.

Washington County

1. ls; dol  Quarries near Middle Falls: New York State Geol. Survey files.

2. dol  Quarry near Whitehall: Ries, 1901, p. 828.

Wayne County


2. dol  Quarry at Walworth: Ries, 1901, p. 828.

3. dol  Quarry 2 miles south of Wolcott: Gillette, 1940, p. 146, map.

4. dol  Quarry at North Rose: Gillette, 1940, p. 146, map.

Westchester County

1. dol; mbl  Quarry at Ossining: Ries, 1901, p. 667.

2. mbl; dol  Quarry at Tuckahoe: Ries, 1901, p. 667; Newland, 1921, p. 258.

3. mbl; dol  Quarry at Pleasantville: Newland, 1921, p. 258.

5. dol; gr  Quarry at Scarsdale: Ries, 1901, p. 832.

EMERY

References


New York State Geol. Survey files.


Westchester County


2. em  Several mines near Salt hill, Dickerson hill, Dickerson pond, and Colabaugh pond, including the Di Rubbo and Ellis mine: Newland, 1921, p. 68; Pratt, 1906, p. 137; Rogers, 1911, p. 66, 73; New York State Geol. Survey files; Friedman, 1956, p. 16-27.
Deposits at Montrose, north and south of Dutch Road, southwest of U. S. Route 9: Friedman, 1956, p. 14–16.

**FELDSPAR**

**References**


Shaub, B. M., 1929, A unique feldspar deposit near DeKalb Junction: Econ. Geology, v. 24, no. 1, p. 68–89.

**Essex County**

1 fls Roe mine, 4 miles north of Ironville: Newland, 1921, p. 72, 73; Newland and Hartnagel, 1939, p. 36.

**Fulton County**

1 fls Quarry on farm of Richard Tyrell, 3 miles west of Cranberry Creek in the town of Mayfield: Newland, 1921, p. 74–75.

**St. Lawrence County**

1 fls Deposit 4 miles southwest of DeKalb Junction: Newland, 1921, p. 75; Shaub, 1929, p. 68–89.

**Saratoga County**

1 fls Mine 1½ miles southwest of Linwood School and 2 miles south of Conklingville: Miller, 1923, p. 63.

2 fls; Fe Prospect opening on northeast slope of Mount Anthony, 1 mile south of Luzerne: Miller, 1923, p. 63.

**Washington County**

1 fls, SiO₂ Deposit 2½ miles northwest of Fort Ann: Newland, 1921, p. 73.

**Westchester County**

1 fls, Be Bullock and Hobby quarries, 2 miles southwest of Bedford: Newland, 1921, p. 76; Newland and Hartnagel, 1939, p. 18.

**FLUORSPAR**

**References**


**Clinton County**

1 Fe, F Palmer Hill mines, 2 miles north of Ausable Forks: Peterson, 1950, p. 99; Newland, 1921, p. 77.

**Essex County**

18 Fe, F Barton Hill mines (Mineville group), north of Mineville: Peterson, 1950, p. 99; Newland, 1921, p. 77.

**Jefferson County**

1 F Deposit 4 miles west of Oxbow: Newland, 1921, p. 78.

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1 If more than two minerals have been mined from a pegmatite, the minerals are not specified and are included under Pegmatite (p. 424).
References


Wormser, F. E., 1924, Mining, concentrating, and marketing garnet: Eng. and Mining Jour., v. 118, no. 4, p. 525–531.

Essex County

1 wst, gar Mine 2 miles southwest of Willsboro: Broughton and Burnham, 1944, p. 3; Hartnagel and Broughton, 1951, p. 35, 36.

2 gar Mine on east slope of Mount Bigelow, 5½ miles south of Keeseville: Newland, 1906, p. 72, 73; Newland, 1921, p. 82, 83.

3 gar Two mines west of Minerva, one-third of a mile southwest of Calahan pond: Miller, 1919, p. 97; Merrill, 1895, p. 555; Magnus, 1904, p. 160; Newland, 1906, p. 72.

Hamilton County


2 gar Occurrence northeast of Indian Lake, half a mile east of Bullhead pond on southern slope of Rise 2102: Balk, 1932, p. 85.
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3 gar Black Mountain occurrences, east of the Crehore mine: Balk, 1932, p. 85, 86.

4 gar Occurrence east of Indian Lake on Rise 1900, 1 mile east of McGinn hill: Balk, 1932, p. 86.

5 gar Humphrey Mountain deposit in Thirteenth Lake quadrangle—small amount mined years ago on northeast face of mountain: Krieger, 1937, p. 115.

6 gr; gar Crehore Mine, about 5 miles northwest of North River on Indian Lake Road, on shoulder of Casey Mountain just north of highway; abandoned mine half a mile west of Crehore Mine: Newland, 1921, p. 83; Peterson, 1950, p. 70, 71; Balk, 1932, p. 84, 85.

7 gar Occurrences 1½ miles southeast of Forest House and 2½ miles south-southeast of Forest House: Miller, 1917, p. 65, 66.

8 gar Hooper Mine, 1 mile northeast of the summit of Ruby Mountain and half a mile due north of the county line: Miller, 1912, p. 499; Krieger, 1937, p. 114, 115.


10 gar Peaked Mountain deposits, on county line west of Ruby Mountain: Peterson, 1950, p. 70, 71; Krieger, 1937, p. 102, 103.

St. Lawrence County

1 gar Mine 2–3 miles north of Gouverneur on road to Peabody Bridge: Newland, 1921, p. 83, 84; Cushing and Newland, 1925, p. 85.

Warren County


2 gar Mine near the top of Oven Mountain and 4 miles south of North Creek: Miller, 1912, p. 494, 496; Newland, 1921, p. 83.

3 gar Rexford mine, one-half of a mile southeast of Holcombville, 1½ miles a little east of south of North Creek: Miller, 1912, p. 494, 496; Newland, 1921, p. 83; Miller, 1914, p. 79.

4 gar Parker mine, just southwest of Daggett pond and 4½ miles northwest of Warrensburg: Miller, 1912, p. 494, 496, 497.

5 gar Sanders Brothers mine, near the mouth of Mill Creek and 2 miles east of Wevertown: Miller, 1912, p. 494, 497; Miller, 1914, p. 79.

6 gar Mine 2½ miles north of North Creek and three-fourths of a mile east of Fuller pond: Miller, 1912, p. 494, 497; Miller, 1914, p. 79.

7 gar North River Garnet Co. mine, just 1 mile east of northern part of Thirteenth Lake: Miller, 1912, p. 494, 497, 498; Newland, 1921, p. 81; Peterson, 1950, p. 70–71; Krieger, 1937, p. 103–108.


References

——— 1914, Geology of the North Creek quadrangle, Warren County, New York: New York State Mus. Bull. 170, p. 84, 85, map.

Bronx County

1 gr Quarraries at Fordham and Spuyten Duyvill: Newland, 1921, p. 254; Smock, 1888, p. 11, 25, 26; Smock, 1890, p. 228, 229; Eckel, 1902, p. 155, pl. 42.
Clinton County

13 gr; Fe Quarries north of Dannemora: Newland, 1921, p. 252-253; Newland, 1916, p. 102-103.

Dutchess County

1 gr Quarry at Glenham: Eckel, 1902, p. 151, pl. 42.

Essex County

1 gr Quarries at and near Ausable Forks in Essex and Clinton Counties: Graham, 1952, map; Newland, 1921, p. 252; Hartnagel and Broughton, 1951, p. 104; Newland, 1916, fig. 9.

2 gr Quarry west of Willoughby: Smock, 1888, p. 12; Buddington and Whitcomb, 1941, map.

3 gr Quarry on east slope of Rise 2240, one-half of a mile north of Twenty-ninth pond: Balk, 1932, p. 86.

4 gr Quarry at north end of Goodnow pond, 3½ miles west of Newcomb: Balk, 1932, p. 86.

5 gr Quarry 1 mile southwest of Pine hill, about 1½ miles south of Tahawus: Balk, 1932, p. 86.

6 gr Quarries one-half of a mile east-northeast of South Schroon: Miller, 1919b, p. 99.

7 gr Quarry 1½ miles west of Olmsteadville and one-half of a mile north of Moxham pond: Miller, 1919b, p. 99.

8 gr Quarries east of Lake Placid: Miller, 1919a, p. 101.

9 an; gr Quarry on northwest end of Baxter Mountain, 2 miles northeast of Keene Valley: Kemp, 1921, p. 60.

10 gr Quarry northeast of Moody pond and one-half of a mile east of Saranac Lake village: Buddington, 1953, p. 65, map.

11 gr Quarry one-half of a mile northeast of Bloomingdale: Buddington, 1953, map.

Franklin County

1 gr Quarries at Tupper Lake: Cushing, 1907, p. 503.

2 gr Quarry 1½ miles east-northeast of Saranac Junction: Buddington, 1953, map.

3 gr Quarries 1½ miles northwest of Bloomingdale Station: Buddington, 1953, p. 64, map.

4 gr Quarry at south end of Mud Lake Mountain: Postel, Dodson, and Carswell, 1956.

Fulton County


2 gr; mc Quarry 1½ miles north-northeast of Northville: Miller, 1911, p. 61.

Hamilton County

1 gr Quarry one-half of a mile northeast of Long Lake village: Miller, 1917, p. 64, 65.

2 gr Quarries 1 mile northeast of Grove (Deerland): Miller, 1917, p. 65.

3 gr Quarry 2 miles south-southwest of Indian Lake village: Miller, 1917, p. 65.

See granite locality No. 1 for Essex County.

See granite locality No. 1 for Putnam County.

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4 gr Quarry 1¼ miles northeast of Lake Pleasant village: Miller, 1916, p. 71.

6 gr; gar Quarry on southwest foot of Casey Mountain: Balk, 1932, p. 86.

Herkimer County

Jefferson County


3 gr Quarry on Wellesley Island: Newland, 1921, p. 251.

4 ss; gr Quarries at Alexandria Bay: Newland, 1921, p. 251; Newland, 1916, p. 77–79.

Lewis County
1 ls; gr Quarry 1 mile east of Denley Station: Miller, 1910, p. 57.

Oneida County
1 gr Quarry at White Lake (Woodgate): Newland, 1921, p. 253; Hartnagel and Broughton, 1951, p. 104.

Orange County
1 gr Quarries southeast of Unionville on Pochuck Mountain: Newland, 1916, p. 141.

2 gr Quarries southwest of Florida, on the north slope of Mount Adam and on the west slope of Mount Eve: Newland, 1921, p. 255; Smock, 1890, p. 231.

3 gr Quarries at West Point: Smock, 1888, p. 11, 30, 31; Newland, 1916, p. 142–143.

4 gr Quarry at Fort Montgomery: Smock, 1888, p. 11.

5 gr Quarries between Arden and Tuxedo Park: Eckel, 1902, p. 152.

Putnam County
1 gr Quarries at base of Storm King Mountain and Breakneck Mountain in Putnam, Dutchess, and Orange Counties: Newland, 1921, p. 254; Smock, 1888, p. 11, 31.

2 gr Quarry near Coldspring: Smock, 1888, p. 11.

3 gr Quarry south of Garrisons: Merrill, 1895, p. 377; Eckel, 1902, p. 163–164, pl. 42.

4 gr Quarries at Carmel: Eckel, 1902, p. 151, pl. 42.

Rockland County
1 gr Quarries between Suffern and Ramapo along Erie railroad: Newland, 1921, p. 255; Smock, 1888, p. 29, 30; Merrill, 1895, p. 377.

2 gr Quarry on Iona Island (or Round Island) in Hudson River northwest of Peekskill: Smock, 1890, p. 231; Merrill, 1895, p. 377; Newland, 1916, p. 111.

3 gr Quarry just north of the railroad station at Theill: Eckel, 1902, p. 151.

* See granite locality No. 1 for Putnam County.
St. Lawrence County

1 gr Quarry north of Parishville: Newland, 1921, p. 251; Hartnagel and Broughton, 1951, p. 104; Reed, 1934, p. 61, map.
2 gr Quarry 2 miles southeast of Parishville on the northwest face of White's hill: Reed, 1934, p. 61, 62, map.
3 gr Quarry east of South Colton: Reed, 1934, p. 61.
4 gr Tupper's quarry, three-tenths of a mile northeast of the north edge of Canton: Martin, 1916, p. 87, map; Smock, 1888, p. 12.

Saratoga County

1 gr Quarry 2 miles north of Saratoga Springs: Newland, 1921, p. 253; Smock, 1888, p. 12, 32; Newland, 1916, p. 103, 104.
2 gr Quarry between Greenfield Center and Middlegrove: Smock, 1888, p. 12, 32.
3 gr Quarries 2 miles northeast of Hadley Hill and 2 miles south of Stony Creek: Miller, 1923, p. 63, 64, map.
4 gr Quarry 1 mile east-southeast of Linwood school and south of Sacandaga River between Hadley and Conklingville: Miller, 1923, p. 64, map.

Warren County

1 gph; gr Quarry two-thirds of a mile north of the north end of Loon Lake: Miller, 1914, p. 84, map.
2 gr Quarry one-half a mile north of Luzerne: Miller, 1923, p. 64, map.
3 gr Quarry 2 miles east of Gailey Hill and 4 miles northeast of Luzerne: Miller, 1923, p. 64, map.
4 gr Quarry two-fifths of a mile southwest of Stony Creek station: Miller, 1923, p. 64, map.
5 gr Quarry three-fourths of a mile east of Thurman station: Miller, 1923, p. 64, map.
6 gr Quarry at Horicon, near outlet of Brant Lake: Newland, 1921, p. 253; Newland, 1916, p. 65, 105, 106.
7 gr Quarry 1¾ miles northeast of Pottersville: Miller, 1914, p. 84, 85, map.
8 gr Quarry 3¾ miles northeast of North Creek: Miller, 1914, p. 85, map.
9 gr; gph Quarry on south side of Hackensack Mountain, north of lrensburg: Miller, 1914, p. 85.

Washington County

2 ss; gr Quarry at southwest edge of Whitehall: Kemp and Newland, 1899, p. 522, pl. 4.

Westchester County

1 gr Quarries north of White Plains near Valhalla or Kensico: Newland, 1921, p. 253; Smock, 1888, p. 11, 28.
2 Fe; gr Ganung's quarry, west of Croton Falls: Smock, 1888, p. 11.
3 gr Quarries at Millwood: Eckel, 1902, p. 160.
4 gr Quarry at Hartsdale, southwest of White Plains: Newland, 1921, p. 254; Hartnagel and Broughton, 1951, p. 104; Smock, 1888, p. 11, 26; Smock, 1890, p. 229.
Quarries at Scarsdale on road to Greenville and on ridge northwest of station: Newland, 1921, p. 254; Smock, 1888, p. 26; Smock, 1890, p. 229; Eckel, 1902, p. 157, pl. 42; Newland, 1916, p. 125.

Quarry 1¼ miles north of Tarrytown: Newland, 1921, p. 254; Hartnagel and Broughton, 1951, p. 104; Smock, 1888, p. 11, 28.

Quarry at Rye: Newland, 1921, p. 254; Hartnagel and Broughton, 1951, p. 104.

Quarry at Harrison: Newland, 1921, p. 254.

Quarry at Port Chester: Hartnagel and Broughton, 1951, p. 104.

Quarries near Hastings: Smock, 1888, p. 11, 27, 28; Smock, 1890, p. 229.


Quarries northeast of New Rochelle: Eckel, 1902, p. 162, pl. 42.

Mohegan, Millstone, and Roberts quarries, east of Peekskill: Newland, 1921, p. 253; Graham, 1952, map; Newland, 1916, fig. 10.

Quarries near Yonkers: Newland, 1921, p. 254; Hartnagel and Broughton, 1951, p. 104; Eckel, 1902, p. 154, pl. 42; Smock, 1888, p. 11, 28.


Quarry at Mamaroneck: Newland, 1921, p. 254; Hartnagel and Broughton, 1951, p. 104.

Quarry at Quaker Bridge: Eckel, 1902, p. 166, pl. 42.

References


Essex County

Smith property, 7 miles southeast of Ausable Forks: Peterson, 1950, p. 75; Alling, 1918, p. 112, 118.

Buck Mountain prospects, 2 miles northwest of Street Road: Alling, 1918, p. 14-17.

Penfield Pond prospect, 1¼ miles southwest of Ironville: Alling, 1918, p. 17.

Betsy Cook & Towne prospects, 1¼ miles southeast of Ironville: Alling, 1918, p. 20, 21.

Columbia Graphite Co. prospect, 3 miles north-northwest of Ironville: Alling, 1918, p. 21-23.

Mason prospect, 2 miles west of Street Road: Alling, 1918, p. 23.

Lead Hill mines, southwest of Street Road: Alling, 1918, p. 23-31.

Split Rock prospect, 4 miles east of Whallonsburg: Alling, 1918, p. 31-33.
MINERAL OCCURRENCES OF NEW YORK STATE

9 gph Gulf prospect, 3½ miles southeast of Ausable Forks: Alling, 1918, p. 33-36.
10 gph Wilmington prospect, 3 miles northwest of Wilmington: Alling, 1918, p. 36, 37.
12 gph, S Bly & Rock Pond properties (Bear Pond Mountain properties), 7 miles east of Severance: Alling, 1918, p. 60-71, 135.
13 gph, mc Cherry Glen prospect, on western slope of Jay Mountain and prospect pit southwest of Jay Mountain: Kemp and Alling, 1925, p. 123.

Franklin County
1 gph Prospect one-half of a mile south-southeast of Franklin Falls: Miller, 1919, p. 102.

St. Lawrence County
1 gph Pope Mills deposits, 1 mile southeast of Pope Mills: Peterson, 1950, p. 76; Alling, 1918, p. 111, 112.
2 gph Rossie prospect, 3 miles south of Rossie: Alling, 1918, p. 112.

Saratoga County
1 gph Flake Graphite Co. property, 2 miles west of Porter Corner: Peterson, 1950, p. 75.
2 gph, S Graphite Products Corp. mine, 5 miles north of Saratoga Springs: Alling, 1918, p. 105, 110.
3 gph, S Sacandaga Graphite Co. mine, 1 mile west of Conklingville: Alling, 1918, p. 92-96, 135.

Warren County
1 gph; gr Pottersville (or Loon Lake) prospect, 2½ miles south of Pottersville: Alling, 1918, p. 38.
4 gph International Graphite Co. property on Catamount hill, 3 miles northwest of Pottersville: Alling, 1918, p. 80-83, 135.
5 gph American mine and Faxon property, at Graphite: Peterson, 1950, p. 75; Alling, 1918, p. 43-57.
9 gr; gph Mammoth Cave prospect, one-half of a mile north of Warrensburg on east side of highway: Alling, 1918, p. 38.

Washington County
1 gph Hooper Brothers and Adirondack Mining & Milling Co. mines, 4 miles west of Whitehall; and the Champlain Graphite Co. mine, 3½ miles west of Whitehall: Alling, 1918, p. 71-79; Peterson, 1950, p. 75.

GYPSUM

References
Cayuga County
1 gyp Quarries on Hibiscus Point, 2 miles north of Union Springs, north to Cayuga Junction: Newland, 1929, p. 88; Parsons, 1904, p. 141-142.
2 gyp Quarries at Cross Roads station on Lehigh Valley Railroad and on border of township, 1½ miles north: Newland, 1929, p. 88-89.
3 gyp Quarries on Cayuga Lake at Cayuga and one half of a mile east: Newland, 1929, p. 89.

Erie County
1 gyp Shaft of Atlas Gypsum Corp., about 1 mile southwest of Clarence Center and 1 mile south of Batavia and Tonawanda Branch of the New York Central Railroad: Newland, 1929, p. 122, fig. 41; Hartnagel and Broughton, 1951, p. 45.
2 gyp National Gypsum Co. mines between Atlas property and the Transit Road, which forms the western boundary of the town of Clarence: Newland, 1929, p. 122-124, fig. 41.
3 gyp Certain-teed Products Corp. mine, 1 mile northeast of Akron: Hartnagel and Broughton, 1951, p.45; Graham, 1952, map.

Genesee County
1 gyp Mine in the Tonawanda reservation, 2½ miles southwest of Alabama Station: Newland, 1929, p. 106, fig. 33.
2 gyp Mines of the United States Gypsum Co., 1 mile west of Oakfield: Newland, 1929, fig. 33.
3 gyp Mines of Niagara Gypsum Co., 1 mile west of United States Gypsum Co. and north of Oakfield-South Alabama Road; mines of Oakfield Plaster Manufacturing Co., 2½ miles west of Oakfield along West Shore Railroad; mine of Phoenix Gypsum Co. at Wheatfield Station (Smithville Station): Newland, 1929, p. 106, 110, 112, fig. 33.
4 gyp Quarries 2½ miles northeast of Akron near Genesee-Erie County line: Newland, 1929, fig. 33.
5 gyp Undeveloped deposits southwest of Smithville Station for at least 2½ miles: Newland, 1929, p. 114.
6 gyp Quarries along Allen's Creek near Fort Hill: Newland, 1929, p. 115.

Madison County
1 gyp Bull's and Brown's quarry, between Sullivan and Clockville: Newland, 1929, p. 78.
2 eem; gyp Sullivan and Van Valkenburgh quarries, near Chittenango: Newland, 1929, p. 78.
MINERAL OCCURRENCES OF NEW YORK STATE

3 gyp; ls
Button and Worlock quarries, 1 mile southwest of Cottons on border of Lenox and Sullivan townships: Newland, 1929, p. 78; Parsons, 1904, p. 137.

4 gyp
Duane Clock quarry, at Clockville beside the Lehigh Valley Railroad and about one-fourth of a mile northeast of Clockville Station: Newland, 1929, p. 78–79.

5 gyp
Quarry at Valley Mills, town of Stockbridge, on hill north of village and east of Railroad, about 1 mile from station: Newland, 1929, p. 79.

6 gyp
Quarries 3–4 miles southwest of Oneida along road leading from Lenox to Oneida, at north end of West Stockbridge hill: Newland, 1929, p. 79.

Monroe County

1 gyp
Quarries along Allen's Creek (Oatka Creek) between Wheatland Center and Garbutt, at Garbutt, and 1 mile north of Garbutt; Ruberoid Co. mine, south of Wheatland Center: Newland, 1929, p. 99–103; Hartnagel and Broughton, 1951, p. 45; Parsons, 1904, p. 142–143.

2 gyp
Occurrence at Belcoda: Newland, 1929, p. 103, fig. 29.

3 gyp
Occurrence north of Mumford: Newland, 1929, p. 104, fig. 29.

4 gyp
Occurrence at Beulah: Newland, 1929, p. 103, fig. 29.

Onondaga County

1 gyp
Five quarries 2 miles south of DeWitt: Newland, 1929, fig. 26.

2 cem; gyp
Several quarries 2 miles southwest of Fayetteville: Newland, 1929, p. 82, 83, fig. 26; Parsons, 1904, p. 137; Hartnagel and Broughton, 1951, p. 44.

3 gyp
Quarries on the south side of Ninemile Creek between Camillus and Martisco: Newland, 1929, p. 83.

4 gyp; ls
Quarries about 3 miles north of Marcellus on main road to Camillus: Newland, 1929, p. 84.

5 gyp
Quarry halfway between Halfway and Martisco and many occurrences: Newland, 1929, p. 84.

Ontario County

1 gyp
Quarries at Phelps and 1 mile north-northeast of Phelps Junction near bridge: Parsons, 1904, p. 140–141; Newland, 1929, p. 94.

2 gyp
Quarries and mine east of Victor village: Newland, 1929, p. 94–97; Parsons, 1904, p. 141; Hartnagel and Broughton, 1951, p. 43.

3 gyp

4 gyp
Quarries at and northeast of Port Gibson: Newland, 1929, p. 92, 97.

Seneca County

1 gyp
Quarry near Black brook, west of Nichols Corners: Newland, 1929, p. 91.

Wayne County

1 gyp
Quarries 2 miles west of Newark: Newland, 1929, p. 92.
IRON AND TITANIUM

References


Cayuga County

Hematite
1 Fe Fair Haven (or Sterling) and Swartout deposits, 1½ miles southeast of Fairhaven: Newland and Hartnagel, 1908, p. 56, 57; Newland, 1921, p. 131, 132.
2 Fe Deposit of Furnaceville Iron Co., southwest of Fairhaven: Newland and Hartnagel, 1908, p. 58.

Clinton County

Magnetite
2 Fe Arnold Hill mines, 5 miles northeast of Ausable Forks: Smock, 1889, p. 39, 40, map; Newland, 1908, p. 94–100; Newland, 1921, p. 113; Otte, 1943, p. 21; Putnam, 1886, p. 119, 120; Postel, 1952, p. 50–52.
3 Fe Cook, Battie, and Mace mines, 2 miles north of Clintonville: Smock, 1889, p. 40; Newland, 1908, p. 103, 104; Newland, 1921, p. 112; Postel, 1952, p. 60–65.
4 Fe Bowen and Signor (or Williamsburg) mine, 1½ miles east of Clayburg or 1 mile south of Redford: Putnam, 1886, p. 120; Smock, 1889, p. 40, map; Otte, 1943, p. 21; Newland, 1908, p. 126; Newland, 1921, p. 112; Postel, 1952, p. 72–77.
5 Fe Tremblay mine, 2½ miles west of Clayburg: Putnam, 1886, p. 121; Smock, 1889, p. 40; Newland, 1908, p. 128; Otte, 1943, p. 21.
6 Fe Fairbanks mine, 2 miles west of Dannemora: Newland, 1908, p. 126.
7 Fe Dills and LaVake, Hogback, and Rutgers pits, 5 miles north of Ausable Forks: Newland, 1908, p. 103; Postel, 1952, p. 55–58, pl. 1.
8 Fe Russia Station mine at Russia Station (Lobdell): Bardill, 1947, 7 p.; Postel, 1952, p. 69–72.
9 Fe Clayburg mines at Clayburg: Postel, 1952, p. 77.
10 Fe Lyon Mountain (or Chateaugay) mines and Phillips vein, 4 miles southeast of Merrill at Lyon Mountain village: Putnam, 1886, p. 121; Otte, 1943, p. 18; Newland, 1908, p. 105–124; Newland, 1921, p. 113; Smock, 1889, p. 41, 42, map; Hartnagel and Broughton, 1951, p. 52, 53; Postel, 1952, p. 78–84.
11 Fe Mine 81, 1 mile northeast of Standish: Putnam, 1886, p. 122; Newland, 1908, p. 115; Smock, 1889, p. 43; Postel, 1952, p. 80, 81.
12 Fe Parkhurst mine, 4½ miles east of Merrill or 3 miles northeast of Lyon Mountain village; Postel, 1952, p. 79–81.


14 Fe Ellis mine, 2 miles northeast of Dannemora; LaMar pit, 1½ miles northeast of Dannemora; Postel, 1952, p. 67–69, pls. 1, 2.


**Columbia County**

**Iron carbonate ore**

1 Fe Plass Hill (Church Hill) openings, 4 miles southwest of Hudson: Smock, 1889, p. 63, map.

2 Fe Burden mines, at Burden: Smock, 1889, p. 63, 64, map.

**Limonite**

3 Fe Reynolds mine, 4 miles southeast of Ancram: Putnam, 1886, p. 135; Smock, 1889, p. 59, map.

4 Fe Weed mine, 2½ miles southeast of Copake: Putnam, 1886, p. 135; Newland, 1921, p. 138; Smock, 1889, p. 59, 60, map.

5 Fe Morgan mine, 4 miles southeast of Ancram: Smock, 1889, p. 59, map.

6 Fe Copake mine, 2 miles northeast of Copake: Putnam, 1886, p. 135; Newland, 1921, p. 138; Smock, 1889, p. 60, map.

7 Fe Hillsdale (or Smith) and Mitchell mines, 3 miles east and northeast of Hillsdale: Smock, p. 61, map.

8 Fe Haight (or Foster) mine, at North Hillsdale: Smock, 1889, p. 61, map.

**Dutchess County**

**Limonite**

1 Fe Clove mine and Clove Spring mine, at Clove: Putnam, 1886, p. 129, 130; Smock, 1889, p. 54, 55, map.

2 Fe Valley Pond mine, 2 miles north of Holmes: Putnam, 1886, p. 130.

3 Fe Beekman mine, 2 miles southwest of Clove Valley: Smock, 1889, p. 54, map.

4 Fe Fishkill and Sylvan Lake mines, 4 miles east-northeast of Hopewell Junction: Putnam, 1886, p. 128.

5 Fe Dover mine, 2½ miles northwest of Wingdale: Smock, 1889, p. 56, map.


7 Fe; mrl Manhattan mine, 3 miles northeast of Amenia: Putnam, 1886, p. 134; Smock, 1889, p. 57, 58, map; Newland, 1921, p. 136, 137.

8 Fe Maltby mine, 1 mile northeast of Millerton: Putnam, 1886, p. 134; Newland, 1921, p. 137; Smock, 1889, p. 58, map.

9 Fe Riga (or Mount Riga) mine, at Mount Riga: Putnam, 1886, p. 134; Newland, 1921, p. 137; Smock, 1889, p. 58, 59, map.


11 Fe Pawling mine, 2½ miles west of Pawling: Putnam, 1886, p. 131; Smock, 1889, p. 55.
Essex County
Magnetite

Deposits at and near Lake Sanford (listed below): Balsley, 1943, p. 99-123; Smock, 1889, p. 36, 37, map; Newland, 1921, p. 115; Newland, 1908, p. 155-164; Hartnagel and Broughton, 1951, p. 56-59; Peterson, 1950, p. 31, 32.

1. Fe, Ti
Sanford Hill.

2. Fe, Ti
Iron (Ore) Mountain.

3. Fe, Ti
Calamity-Mill Pond.

4. Fe, Ti
Cheney Pond.

5. Fe, Ti
Moose Mountain deposit, 5 miles northwest of Ironville: Hartnagel and Broughton, 1951, p. 117; Newland, 1908, p. 164.

6. Fe, Ti
Titaniferous deposits in Moriah Township, 5 miles west of

7. Fe, Ti
Mineville: Hartnagel and Broughton, 1951, p. 116; Peterson, 1950, p. 32.

8. Fe
Hammondville (Crown Point) mines, 4 miles west of Ironville: Otte, 1943, p. 21; Peterson, 1950, p. 28; Smock, 1889, p. 25, map; Newland, 1908, p. 50-54; Newland, 1921, p. 107, 108.

9. Fe
Skiff mine, 4 miles southwest of Ironville: Newland, 1908, p. 55; Smock, 1889, p. 25.

10. Fe
Paradox mines, 4 miles east of Severance: Smock, 1889, map.

11. Fe
Minerva mine, 2 miles north of Minerva: Newland, 1908, p. 89; Smock, 1889, p. 36.

12. Fe
Vineland and Butler mines, 2 miles southwest of Crown Point: Newland, 1908, p. 41; Smock, 1889, p. 24, map.

13. Fe
Keene (or Hale or Weston) mine, 1 mile southwest of Keene: Putnam, 1886, p. 118; Smock, 1889, p. 35, map; Kemp, 1921, p. 22.

14. Fe; ss
Lee mine at Port Henry: Kemp, 1908, p. 68; Newland, 1921, p. 110; Putnam, 1886, p. 108.

15. Fe; sp
Crag Harbor deposit, one-half of a mile north, and Cheaver mine, 2 miles north of Port Henry: Kemp, 1908, p. 69; Smock, 1889, p. 35.

16. Fe
Pilfershire deposits, 2½ miles northwest of Port Henry: Kemp, 1908, p. 71; Newland, 1921, p. 110; Smock, 1889, p. 35.

17. Fe
Kemp, 1908, p. 72-88; Newland, 1921, p. 109-111; Putnam, 1886, p. 108-112; Smock, 1889, p. 28-33, map; Hartnagel and Broughton, 1951, p. 50-52.

18. Fe
Gates or Putnam mine, 1 mile southeast of New Russia: Putnam, 1886, p. 118; Smock, 1889, p. 34, map.

19. Fe
Splitrock mine, 3½ miles southeast of Whallonsburg: Smock, 1889, p. 35, 36, map; Newland, 1908, p. 164-166.

20. Fe, Ti

21. Fe, Ti
Hematite

23 Fe Mount Defiance mine at Ticonderoga: Newland, 1908, p. 42, 43.

Franklin County

Magnetite

1 Fe Bannerhouse mine, 2 miles southeast of the village of Chateaugay Lake: Postel, 1952, p. 84, 85.
2 Fe Duncan Mountain prospect, 1 mile east-southeast of Alder Brook: Postel, 1952, p. 84.
3 Fe Mines 4 miles west of Malone: Smock, 1889, p. 43; Emmons, 1842, p. 331.
5 Fe Brewer Hill mine, 1 ½ miles southeast of Walker Mill, north of Baldface Mountain: Postel, Dodson, and Carswell, 1956.
6 Fe Owls Head mine, three-fourths of a mile northeast of the village of Owls Head: Postel, Dodson, and Carswell, 1956.
7 Fe Briggs prospect, on the east side of Studley Hill, 4 miles south of Titusville: Postel, Dodson, and Carswell, 1956.
8 Fe Orebed Hill prospect, 3½ miles southeast of the village of Owls Head: Postel, Dodson, and Carswell, 1956.

Herkimer County

Magnetite

1 Fe Salisbury mine, 2½ miles north of Salisbury Center: Otte, 1943, p. 21; Newland, 1908, p. 142–145; Peterson, 1950, p. 29.

Jefferson County

Hematite

1 Fe Shirtliff mine, 3 miles southeast of Theresa: Smock, 1889, p. 44, 45, map; Putnam, 1886, p. 142; Newland, 1921, p. 129.
2 Fe, S Dickson mine, 2½ miles northeast of Antwerp: Putnam, 1886, p. 142; Smock, 1889, p. 145, map; Newland, 1921, p. 129.
3 Fe; S Old Sterling mine and White mine, 2 miles southwest of Spragueville: Smock, 1889, p. 45, map; Putnam, 1886, p. 142, 143; Newland, 1921, p. 129.
4 Fe, S Keene mine, at Spragueville: Smock, 1889, p. 46, map; Putnam, 1886, p. 143; Newland, 1921, p. 129.
5 Fe Morgan (or Pardee) mine, 1 mile northeast of the Old Sterling mine: Buddington, 1934, p. 195; Newland, 1921, p. 129.

Lewis County

Magnetite

1 Fe, Ti Port Leyden mine, at Port Leyden: Smock, 1889, p. 44, map; Newland, 1908, p. 168.

Oneida County

Hematite

1 Fe; ss Verona openings at Verona: Newland and Hartnagel, 1908, p. 67; Putnam, 1886, p. 140.
2 Fe Davis opening, 1½ miles east of Washington Mills: Newland and Hartnagel, 1908, p. 59, 60; Putnam, 1886, p. 136, 137; Smock, 1889, p. 48, map.
MINERAL OCCURRENCES OF NEW YORK STATE

3 Fe
Wells and Ellingwood opening, 2 miles west of Washington Mills: Newland and Hartnagel, 1908, p. 60, 61; Putnam, 1886, p. 137; Smock, 1889, p. 49.

4 Fe
Franklin, Clinton, Borst (or Elliot), Butler, and Paddon mines, at Clinton: Newland and Hartnagel, 1908, p. 61–64; Smock, 1889, p. 49; Newland, 1921, p. 131; Putnam, 1886, p. 138, 139.

5 Fe; dol
Clinton Mills (or Ferman) and Norton mines, west of Clinton: Newland and Hartnagel, 1908, p. 64, 65; Putnam, 1886, p. 139; Smock, 1889, p. 50.

6 Fe
Westmoreland openings, west of Westmoreland: Newland and Hartnagel, 1908, p. 65, 66; Putnam, 1886, p. 139, 140.

Orange County

Limonite
1 Fe
Townsend mine, 3 miles west of Cornwall: Smock, 1889, p. 62, map.

Magneteite
2 Fe
Warwick group, 2 miles southeast of Warwick: Otte, 1943, p. 28; Newland, 1921, p. 119; Putnam, 1886, p. 93.

3 Fe
Forest of Dean group, 3½ miles southwest of Highland Falls: Otte, 1943, p. 28; Colony, 1921, p. 99; Newland, 1921, p. 120; Putnam, 1886, p. 93.

4 Fe

5 Fe
Tower mine, 2 miles west of Highland Falls: Colony, 1921, p. 105.

6 Fe
Weatherby and Rattlesnake mines, 5½ miles southwest of Highland Falls: Colony, 1921, p. 106.

7 Fe
Clove mine, 1 mile south of Monroe: Colony, 1921, p. 107, 108; Putnam, 1886, p. 93.

8 Fe
Sterling Lake group, 4 miles west of Tuxedo Park: Hotz, 1952, p. 194, 195; Otte, 1943, p. 27; Putnam, 1886, p. 91.

9 Fe
Crawford and Steele mines, 5 miles southwest of Tuxedo Park: Hotz, 1952, p. 196; Putnam, 1886, p. 89.

10 Fe

11 Fe
Bering mine, 3 miles southwest of Tuxedo Park: Hotz, 1952, pl. 19; Putnam, 1886, p. 89.

12 Fe
Scott group, 3½ miles west-northwest of Tuxedo Park: Hotz, 1952, pl. 19; Colony, 1921, p. 90.

13 Fe; me
O’Neil, Forshee, and Mombasha mines, 2½ miles southwest of Harriman: Colony, 1921, p. 109, 110; Putnam, 1886, p. 92; Otte, 1943, p. 28; Newland, 1921, p. 120.

14 Fe
Snyder and Hewitt mine, 4½ miles southwest of Tuxedo Park: Smock, 1889, p. 15.

Putnam County

Magneteite
1 Fe
Canada mine, 4 miles west-northwest of Kent Cliffs: Colony, 1921, p. 111; Newland, 1921, p. 122.

2 Fe
Todd mine, 1½ miles west of Putnam Valley: Colony, 1921, p. 115, 116; Newland, 1921, p. 125; Putnam, 1886, p. 94.

3 Fe
Croft mine, 2 miles north of Putnam Valley: Colony, 1921, p. 115, 116; Newland, 1921, p. 125; Putnam, 1886, p. 94.
4 Fe  Brewster mines, at Brewster: Colony, 1921, p. 117; Otte, 1943, p. 28; Putnam, 1886, p. 101.

5 Fe, Mo  Tilly Foster mine, 2 miles northwest of Brewster: Colony, 1921, p. 121; Putnam, 1886, p. 102; Otte, 1943, p. 28.

6 Fe  Mahopac mine, 7 miles west of Brewster; Colony, 1921, p. 124; Newland, 1921, p. 124; Otte, 1943, p. 28.

7 Fe  Crotone mine, 1 mile northeast of Croton Falls: Smock, 1889, p. 21; Colony, 1921, p. 118; Putnam, 1886, p. 100.

8 Fe  Sunk (or Stuart) mines (includes Sackett mine and Pratt mine), 4½ miles west-southwest of Kent Cliffs: Colony, 1921, p. 111; Newland, 1921, p. 122; Putnam, 1886, p. 97.

9 Fe  Denny mine, 5 miles east of Cold Spring: Putnam, 1886, p. 98; Colony, 1921, p. 113; Newland, 1921, p. 123.

10 Fe  Canopus mine (Nelson mine), 3 miles southeast of Cold Spring: Colony, 1921, p. 114; Newland, 1921, p. 123.

**Richmond County (Staten Island)**

Limonite

1 Fe; tr  Tyson's mine, at Castleton Corners (Four Corners): Putnam, 1886, p. 124; Smock, 1889, p. 61, 62, map; Newland, 1921, p. 139.

2 Fe  New Dorp and Towle mines, 1 mile northeast of New Dorp: Putnam, 1886, p. 124; Smock, 1889, p. 61, 62, map; Newland, 1921, p. 139; Wilson, 1933, p. 138, 139.

3 Fe  Cooper and Hewitt mine and numerous pits, 1 mile southeast of Castleton Corners: Putnam, 1886, p. 126, 127; Smock, 1889, p. 61, 62, map; Newland, 1921, p. 139.

**St. Lawrence County**

Hematite

1 Fe; S  Caledonia, Clarke, Pike and Kearney mines, 1½ miles northeast of Spragueville: Putnam, 1886, p. 143, 144; Smock, 1889, p. 46–48, map; Newland, 1921, p. 128; Buddington, 1934, p. 196.

2 Fe; S  Little River and O'Brien prospects, 2 miles west of West Pierre- pont: Prucha, 1953, p. 57.

3 Fe  Mine about 1 mile east of Fullerville: Cushing and Newland, 1925, p. 86.

8 S, Fe  Deposit at Ore Bed school: Cushing and Newland, 1925, p. 86; Prucha, 1953, p. 55–57.

Mine east of Sylvia Lake: Cushing and Newland, 1925, p. 86.

**Magnetite**

4 Fe  Clifton mine, 2½ miles south of Clarksboro: Otte, 1943, p. 18; Newland, 1908, p. 139–142; Newland, 1921, p. 115; Smock, 1889, p. 43, map; Hartnagel and Broughton, 1951, p. 55–56.

5 Fe  Jayville mines, at Jayville: Otte, 1943, p. 18; Newland, 1908, p. 137, 138; Smock, 1889, p. 43, 44.


7 Fe  Occurrence at Jarvis bridge, 2 miles northeast of Newton Falls: Millar, 1947, p. 2.

9 Fe  Occurrence at Silver Pond, 1 mile northeast of the village of Cranberry Lake: Millar, 1947, p. 2.

10 Fe  Occurrence at Trembley Mountain, 4 miles east of Newton Falls: Millar, 1947, p. 2.
11 Fe Occurrence at Spruce Mountain, 2 miles north of Newton Falls: Reed and Cohen, 1947, p. 6, 7.
12 Fe Occurrence at Skate Creek, 4 miles northwest of Newton Falls: Reed and Cohen, 1947, p. 7.
14 Fe Occurrence at Brandy Brook Flow, 1 mile east of the village of Cranberry Lake: Millar, 1947, p. 2.
15 Fe Occurrence at Brunner Hill, 2½ miles southwest of Stark: Reed and Cohen, 1947, p. 9, 10.
16 Fe Prospect 1 mile east of Parishville: Reed, 1934, p. 62.
18 Fe Occurrence at Deerlick Rapids, 5 miles north of village of Cranberry Lake: Reed and Cohen, 1947, p. 9.

Saratoga County
Magnetite
2 fls; Fe Prospects and mines on southeastern and southwestern slopes of Mount Anthony, 1¼ miles south of Luzerne: Miller, 1923, p. 61, map.

Ulster County
Iron carbonate ore
1 Fe Napanock mine, at Wawarsing: Smock, 1889, p. 65, map.
2 Fe Wawarsing mine, 1½ miles southwest of Wawarsing: Smock, 1889, p. 65, map.

Warren County
Magnetite
1 Fe Prospect 2½ miles southwest of Thurman Station: Miller, 1923, p. 61, map.

Washington County
Magnetite
1 Fe Potter, Mount Hope, Fort Ann, and Podunk mines, 5 miles northwest of Fort Ann: Newland, 1908, p. 37, 38; Putnam, 1886, p. 105; Smock, 1889, p. 24, map; Otte, 1943, p. 21.

Wayne County
Hematite
1 Fe Wolcott mine, 1½ miles north of Wolcott: Newland and Hartnagel, 1908, p. 68; Smock, 1889, p. 51, map.
2 Fe Ontario mines, 4 miles west and 1½ miles northwest of Ontario: Newland and Hartnagel, 1908, p. 69, 70; Smock, 1889, p. 51, 52, map; Putnam, 1886, p. 140, 141.

Westchester County
Limonite
1 Fe Ackerman mine, 2 miles east of Tarrytown: Smock, 1889, p. 62, map.
Magnetite
2 Fe; gr Clover Hill mine, at Butlerville, 1 mile west of Croton Falls: Colony, 1921, p. 120.
LEAD

References

Columbia County
1 Pb Aneram Lead Mines (Aneramdale), 2½ miles southeast of Aneram: Newland, 1921, p. 142, 143.

Dutchess County
1 Pb Mine near Smithfield: Newland, 1921, p. 143.

Jefferson County
5 is; Pb Occurrence near Redwood: Newland, 1921, p. 142.

Lewis County
1 Pb Occurrence 1 mile north of Martinsburg: Miller, 1910, p. 58.

Orange County
1 Zn, Pb Mines near Guymard: Hartnagel and Broughton, 1951, p. 61; Peterson, 1950, p. 46, fig. 7.
2 Pb Mine south of Otisville: Peterson, 1950, fig. 7.

St. Lawrence County
5 Pb West Bigelow deposit, 3 miles southwest of Popes Mills: Neuman, 1952, p. 2, 5; Newland, 1921, p. 141, 142.
3 talc; Zn Lead is mined as a byproduct at the Balmat mine, 3 miles southwest of Emeryville: Hartnagel and Broughton, 1951, p. 59.

Sullivan County
1 Zn, Pb Shawangunk (or Summitville) mine, 1 mile south of Summitville: Sims and Hotz, 1951, p. 103; Eilertson, 1950, 41 p.

Ulster County
1 Zn, Pb Ellenville mine, at Ellenville: Hartnagel and Broughton, 1951, p. 61; Peterson, 1950, p. 46, fig. 7.
## LIMESTONE

### References


New York State Geol. Survey files.


### Albany County

| 1 | ls | Quarry at South Bethlehem: Graham, 1952, map; Ries, 1901, p. 771–772, pl. 28. |
| 2 | ls | Several quarries at Ravena: Ries, 1901, p. 772. |
| 3 | ls | Quarry at Aquetuck: Ries, 1901, p. 772. |

### Cayuga County

| 1 | ls | Three quarries at Union Springs: Ries, 1901, p. 772, pl. 29. |
| 2 | ls | Quarries at Auburn: Graham, 1952, map; Ries, 1901, p. 772–773. |

### Clinton County

| 1 | ls | Quarries at Chazy: Graham, 1952, map; Ries, 1901, p. 774–776. |
| 2 | ls | Quarry at Plattsburg: Graham, 1952, map; Ries, 1901, p. 774–775; Eckel, 1905, p. 524; Newland, 1921, p. 260. |
| 3 | ls | Quarries at Bluff Point, south of Plattsburg: Newland, 1921, p. 271–272. |
| 4 | ls | Quarry on Valcour Island: Eckel, 1905, p. 523. |
| 5 | ls | Quarry north of Valcour: Eckel, 1905, p. 523. |
Columbia County
1 ls Universal Atlas Cement Co. quarry, Lone Star Cement Co. quarry, and Colarusso limestone quarry on Becraft hill, southeast of Hudson: Graham, 1952, map; Ries, 1901, p. 776; Chute, 1950, p. 21; New York State Geol. Survey files.
2 ls Quarry northeast of Hudson: Graham, 1952, map.

Dutchess County
1 ls Stissing Lime Co. quarry, one-half of a mile south of Stissing on hill between railroad tracks: New York State Geol. Survey files.
2 ls Quarry north of Pleasant Valley: Graham, 1952, map.

Erie County
1 ls Fogelsonger’s quarry, at Williamsville: Ries, 1901, p. 780; Newland, 1921, p. 266; Luther, 1906, p. 13.
2 ls Kieffer’s quarry, 1 mile west of Lancaster, near Transit road; and quarry 2 miles west of Depew: Ries, 1901, p. 780; Graham, 1952, map.
3 ls Quarry north of Lancaster at Bowmansville: Graham, 1952, map.
4 ls Quarries at Buffalo: Ries, 1901, p. 780–781, 837, pl. 36, 37; Newland, 1921, p. 266; Luther, 1906, p. 12, 13.
5 ls; cem Newland, 1921, p. 266; Luther, 1906, p. 13.
6 cem; ls Quarries at Akron: Newland, 1921, p. 266.
7 ls Quinn’s quarry, 2 miles east of Fogelsonger’s quarry: Luther, 1906, p. 13.
8 ls Quarry 2 miles north of Crittenden near the road to Murray: Luther, 1914, p. 11.

Essex County
2 ls Quarries on Willsboro Point: Ries, 1901, p. 782, 783, pl. 38; Newland, 1916, p. 203–204.
3 ls Quarries at Essex: Buddington and Whitcomb, 1941, p. 124.

Fulton County
1 ls Kegg quarry, one-half of a mile east of Cranberry Creek: Ries, 1901, pl 783.
2 ls Quarries 2 miles southwest of Cranberry Creek: New York State Geol. Survey files.
3 ls Quarry about 2 miles south-southeast of Perth: Miller, 1911, p. 60.
4 ls Quarry on west side of Bunker hill: Miller, 1911, p. 61.
5 ls Quarry 2 miles east of Broadalbin: Miller, 1911, p. 61.

Genesee County
1 NaCl; ls Quarries at Leroy: Ries, 1901, p. 784, 785; Newland, 1921, p. 266.
2 ls J. Merrill quarry, near Batavia: Ries, 1901, p. 784.
3 ls Quarries at Limerock, east of Leroy near the county line: Ries, 1901, p. 784.
4 ls Quarry east of Leroy: Newland, 1921, p. 266; Graham, 1952, map.
5 ls Quarry northeast of Leroy, near Allen’s Creek: Graham, 1952, map.
6 ls Quarry at Stafford: Graham, 1952, map.
Greene County
1 ls; ss Quarry near New Baltimore: Ries, 1901, p. 786.
3 ls; ss Quarry west of Catskill, 1 mile from river and West Shore Railroad: Ries, 1901, p. 786-787.

Hamilton County
1 ls Quarries near Wells: Miller, 1916, p. 72, map.
2 dol; ls Quarry near Hope: Miller, 1916, p. 72, map.

Herkimer County
1 ls Quarry at Columbia: Ries, 1901, p. 788.
2 ls Quarry at Ingham Mills: Ries, 1901, p. 788.
3 ls Quarries at Newport: Ries, 1901, p. 789.
4 ls Quarry southeast of Poland: Graham, 1952, map; Ries, 1901, p. 789.
5 ls Quarry at Middleville: Newland, 1921, p. 261.

Jefferson County
1 ls Quarries at Watertown: Ries, 1901, p. 790; Graham, 1952, map; Eckel, 1905, p. 525; Newland, 1921, p. 261.
2 ss; ls Quarry at Theresa: Ries, 1901, p. 790; Eckel, 1905, p. 525.
4 ls Quarry at Three mile Bay: Ries, 1901, p. 790.
5 ls; Pb Quarry at Redwood: Ries, 1901, p. 790.
6 ls; ss Quarry at Clayton: Ries, 1901, p. 790; Newland, 1921, p. 261.
7 ls Quarry at Cape Vincent: Ries, 1901, p. 790; Eckel, 1905, p. 525; Newland, 1921, p. 261.
8 ls Quarry east of Sackets Harbor: Graham, 1952, map.
9 ls Quarry northeast of Depauville: Graham, 1952, map.
10 ls Quarry northeast of Limerick: Graham, 1952, map.
11 ls Quarry southeast of Burrs Mills: Graham, 1952, map.
12 ls Quarry north of Rodman: Graham, 1952, map.
14 ls Quarries on the south edge of Evans Mills village: New York State Geol. Survey files.

Lewis County
1 ls; gr Quarries south of Leyden Station and east of Talcottville: Ries, 1901, p. 790, 791; Miller, 1910, p. 57, map.
2 ls Quarries 1 mile south of Port Leyden: Miller, 1910, p. 57, map.
3 ls Quarry 1½ miles north of Lowville: Ries, 1901, p. 790, 792; Graham, 1952, map; Newland, 1921, p. 261.
5 ls Quarry northeast of Copenhagen: Graham, 1952, map.
6 ls Quarry west of Grieg: Graham, 1952, map.
7 ls Quarries at Talcottville: Miller, 1910, p. 57.
8 ls Quarry at Turin: Miller, 1910, p. 57.
9 ls Quarries at Martinsburg: Miller, 1910, p. 57.
CONTRIBUTIONS TO ECONOMIC GEOLOGY

Madison County
1 Is Quarry at Munnsville: Graham, 1952, map; Ries, 1901, p. 793.
3 gyp; Is Quarry 1 mile north of Perryville: Graham, 1952, map.

Monroe County
1 Is Quarry at Honeoye Falls: Newland, 1921, p. 266.

Montgomery County
1 Is D. C. Hewitt quarry, 1 mile north of Amsterdam: Ries, 1901, p. 798, 799.

Niagara County
1 Is Quarries 1 mile northwest of Pekin: New York State Geol. Survey files.

Oneida County
1 Is Quarry at Prospect along West Canada Creek: Ries, 1901, p. 802; Graham, 1952, map; Newland, 1921, p. 261.
3 sd; Is Quarry at Boonville: Newland, 1921, p. 261.
4 Is Quarry at Trenton Falls, east of Trenton: Newland, 1921, p. 261.
6 Is Prospect Hill quarries, between Vernon Center and Clinton: Dale, 1953, p. 184.

Onondaga County
1 Is Quarries 2 miles south of Nedrow in Onondaga Indian Reservation: Ries, 1901, p. 807.
2 Is Street's quarry near Onondaga Hill, southwest of Syracuse: Ries, 1901, p. 804.
3 Is Splitrock quarry, 5 miles west of Syracuse: Ries, 1901, p. 804-807.
5 Is; cem Quarry at Skaneateles Falls: Smith, 1935, p. 91-92.
6 Is; cem Quarries near Manlius: Ries, 1901, p. 804, 805.
7 Is; cem Quarries at Jamesville: Ries, 1901, p. 804-807; Graham, 1952, map; Newland and Hartnagel, 1928, p. 89; Chute, 1950, p. 21.
8 Is Quarries near Marcellus: Ries, 1901, p. 807; Smith, 1935, p. 91, 92.

Ontario County
1 Is Quarries at Phelps: Ries, 1901, p. 808.

Orange County
1 Is Quarry 4 miles southwest of Otisville: Ries, 1901, p. 810.
2 Is Quarry 2 miles south of Goshen on road to Warwick: Ries, 1901, p. 808.
3 Is Quarries just southeast of Pine Island, west of Edenville: Newland, 1921, p. 257.
MINERAL OCCURRENCES OF NEW YORK STATE

4 Is Bennett's quarry 1 mile east of Tristates and southeast of Port Jervis: Ries, 1901, p. 810.
5 Is Quarry at Arden: Ries, 1901, pl. 57.

Orleans County
1 Is Quaries at Barre Center: Ries, 1901, p. 810, pl. 61.
2 Is Quarry south of Albion: Ries, 1901, p. 810, pl. 60.
3 Is; mrl Quarries at Clarendon: Ries, 1901, p. 810.

Otsego County
1 Is Southern Stone Co. quarry, 1 mile north of Springfield Center: New York State Geol. Survey files.
2 Is Quarry 1 mile northeast of Cherry Valley village: New York State Geol. Survey files.

Rensselaer County
1 Is Several quarries on hill west of Hoosick Falls: Ries, 1901, p. 811-812.

St. Lawrence County
1 mbl; Is Quarry at Gouverneur: Ries, 1901, p. 814; Graham, 1952, map; Newland, 1921, p. 256, 257.
3 Is Steven's quarry, on Grass River, 1 mile above Canton: Ries, 1901, p. 813; Newland, 1921, p. 257.
4 S; ls Quarry at Bigelow: Ries, 1901, p. 815.
5 Is Quarry at Brasie Corners: Ries, 1901, p. 815.
6 Is Quarry at Crary Mills: Ries, 1901, p. 815.
7 Is Quarry at East Pitcairn, northeast of Pitcairn: Ries, 1901, p. 815.
8 ls Quarry at Rossie: Ries, 1901, p. 815.
9 ls Quarry near Richville: Newland, 1921, p. 256.

Saratoga County
1 Is Quarries at South Glen Falls: Ries, 1901, p. 816; Chute, 1950, p. 21.
2 dol; ls Railroad quarry 1 mile north of Saratoga Springs: Cushing and Ruedemann, 1914, p. 151.
3 ls; dol Hoyt quarry, 3 miles west of Saratoga Springs and quarry at Rowlands Mills: Cushing and Ruedemann, 1914, p. 151.
4 ls Quarry at Rock City Falls: Cushing and Ruedemann, 1914, p. 151.
5 ls Quarry 1½ miles east of Galway: Miller, 1911, p. 61.

Schenectady County
1 Is Quarry at Hoffmans, northwest of Pattersonville: Ries, 1901, p. 816.

Schoharie County
1 ls; cem Quarries of North American Cement Co. at Howes Cave: Ries, 1901, p. 817; Newland, 1921, p. 266; Chute, 1950, p. 21.
2 ls Quarry at Barnerville: Ries, 1901, p. 818.
CONTRIBUTIONS TO ECONOMIC GEOLOGY

3 Is Quarry at Cobleskill: Newland, 1921, p. 266.
4 Is; ss Quarry at Middleburg: Newland, 1921, p. 266.
5 Is Schoharie Stone Corp. quarry, at Schoharie: New York State Geol. Survey files.

Seneca County
1 Is Quarry at Seneca Falls operated by G. J. Fisher: Ries, 1901, p. 818.
2 Is Quarries at Waterloo (Babcock, Edson Bros., Thomas & Bros., Frank): Ries, 1901, p. 818, pl. 66.
3 Is Quarry 1 mile southeast of Hayt Corners: Ries, 1901, p. 819.

Tompkins County
1 Nacl; ls Quarry near Myers: Graham, 1952, map.

Ulster County
2 Is; cem Quarry of Newark Cement Co., near Rondout, east of Kingston: Ries, 1901, p. 822, pl. 71.
5 cem; ls Quarries at Eddyville and Wilbur: Ries, 1901 p. 822.
8 ls; cem Quarry at Whiteport, southwest of Kingston: Ries, 1901, p. 822; Chute, 1950, p. 21.

Warren County

Washington County
1 ls; dol Quarries at Middle Falls: Ries, 1901, p. 826, 827; Graham, 1952, map.
2 ls Quarry about 3 miles east of Whitehall: Ries, 1901, p. 827.
3 ls Several quarries at Smith's Basin, east of Kingsbury: Newland, 1921, p. 260; Ries, 1901, p. 826.
4 ls D. Nichols & Son's quarry, 2 miles northeast of Smith's Basin quarries: Ries, 1901, p. 827.
5 ls Quarry at Sandy Hill near Hudson Falls: Eckel, 1905, p. 524; Newland, 1921, p. 260.
6 ls Quarry one-half of a mile east of Comstock: New York State Geol. Survey files.

Westchester County
1 ls Quarry at Verplanck: Ries, 1901, p. 833.
3 ls Quarry at White Plains: Newland, 1921, p. 258.

MANGANESE

Reference
Columbia County


References


Clinton County

1. mbl Quarry just west of Middle Kilns: Miller, 1919, p. 101.

Dutchess County

1. dol; mbl Quarries of Dutchess County Lime Co., at Dover Plains along east side of Tenmile Creek; other quarries: Newland, 1921, p. 271; Newland, 1916, p. 195.
2. mbl; dol South Dover Marble Co. quarry, on hill 2½ miles northeast of South Dover station; 2 quarries 2 miles northeast of Wingdale station on Harlem Railroad; quarries west of the south end of Ellis Pond on the east bank of Tenmile Creek: Ries, 1901, p 778, pl. 34; Newland, 1921, p. 271; Newland, 1916, p. 196–199.

Essex County

1. mbl Quarry 1½ miles north-northwest of Keene: Miller, 1919, p. 101, map.
8. an; mbl Quarry 3½ miles north of Keene: Miller, 1919, p. 101, map.

Franklin County

1. mbl Quarry at Woodruff Fall: Miller, 1919, p. 101, map.

Lewis County

CONTRIBUTIONS TO ECONOMIC GEOLOGY

St. Lawrence County

1 mbl; ls Principal Adirondack marble quarries just southwest of Gouverneur: Newland, 1921, p. 270; Newland, 1916, p. 185-192; Graham, 1952, map.


Westchester County

1 dol; mbl Quarries at Ossining: Newland, 1921, p. 271; Newland, 1916, p. 200.

2 mbl; dol Quarries at Tuckahoe: Ries, 1901, p. 830-831, pl. 74; Newland, 1921, p. 271; Newland, 1916, p. 201-203.

3 mbl; dol Quarries at Pleasantville: Ries, 1901, p. 831; Newland, 1921, p. 271; Newland, 1916, p. 200, 201; Graham, 1952, map.

References


Cayuga County

1 mrl; bri Swamps near Montezuma have been worked: Ries, 1901 p. 773-774, pl. 30; Eckel, 1913, p. 283, 284, 287, 288; Newland, 1921, p. 146; Chute, 1950, p. 21; Eckel, 1905, p. 529.

Chautauqua County

1 mrl Tufa and marl at south end of Cassadaga Lake, formerly worked: Ries, 1901, p. 774, 767; Eckel, 1913, p. 283; Eckel, 1905, p. 529.

Cortland County

1 mrl Occurrence at Cortland: Ries, 1901, p. 767; Eckel, 1913, p. 283.

Dutchess County

7 Fe; mrl Deposit in Round pond near Sharon Station has been worked: Newland, 1921, p. 147.
Genesee County

1 mrl Deposit 1 mile west of Bergen along the New York Central Railroad: Ries, 1901, p. 785, 767; Eckel, 1913, p. 283; Newland, 1921, p. 147; Eckel, 1905, p. 529.

Livingston County

1 mrl Marl has been worked 3 miles east of Mumford by J. Simpson: Ries, 1901, p. 792, 767, 793; Eckel, 1913, p. 283.
2 mrl Marl has been worked 1 mile east of Caledonia: Ries, 1901, p. 792, 767; Eckel, 1913, p. 283; Eckel, 1905, p. 529; Chute, 1950, p. 21.

Madison County

1 mrl Marl deposit west of Oniontown, between Canastota and Lakeport on land of F. Pennock: Ries, 1901, p. 793.
2 mrl Occurrence near Chittenango Falls: Ries, 1901, p. 767.
3 mrl Occurrence northwest of Canastota: Ries, 1901, p. 767; Eckel, 1913, p. 283.

Onondaga County

3 mrl Marl worked at Memphis: Graham, 1952, map.

Ontario County

1 spa; mrl Marl occurs near Clifton Springs: Ries, 1901, p. 767; Eckel, 1913, p. 283; Eckel, 1905, p. 529.

Orleans County

3 ls; mrl Marl occurs near Clarendon, southwest of Holly: Ries, 1901, p. 811, 767; Eckel, 1913, p. 283; Eckel, 1905, p. 529

Steuben County

1 mrl Marl deposit at Perkinsville has been worked: Ries, 1901, p. 767, 819; Graham, 1952, map; Eckel, 1913, p. 283.
2 mrl Marl deposit west of Wayland has been worked: Ries, 1901, p. 767, 819; Graham, 1952, map; Eckel, 1913, p. 283; Chute, 1950, p. 21.
3 mrl Marl employed for lime burning at Arkport: Newland, 1921, p. 146.

References


1 If more than two minerals have been mined from a pegmatite, the minerals are not specified and are included under pegmatite (p. 424).
Essex County
13 gph; mc Prospect southwest of Jay Mountain, east of Flagg: Kemp and Alling, 1925, p. 123.

Fulton County
2 gr; mc Mine 2 miles north-northeast of Northville: Miller, 1911, p. 62.

Orange County
13 Fe; mc Deposit 3 miles southwest of Harriman: Newland, 1921, p. 151, 152.

St. Lawrence County
1 mc Deposit has been worked in the town of Fine, 2 miles north of Oswegatchie: Newland, 1921, p. 153.

Warren County
1 mc Pegmatite 1½ miles south of Chesterton: Newland, 1921, p. 153.

MINERAL WATER

References

Columbia County
1 spa Lebanon Springs: Peterson, 1950, p. 102.

Genesee County
1 spa Oak Orchard Spring, Byron: Peterson, 1950, p. 102.

Ontario County
1 spa; mrl Clifton Springs: Peterson, 1950, p. 102.

Otsego County
1 spa Richfield Springs: Peterson, 1950, p. 102; Newland, 1921, p. 158, 159.

St. Lawrence County
1 spa Massena Springs: Peterson, 1950, p. 102.

Saratoga County
1 spa; sd Saratoga Springs: Peterson, 1950, p. 102.
2 spa; sd Ballston Spa: Peterson, 1950, p. 102.

Schoharie County
1 spa Sharon Springs: Peterson, 1950, p. 102.

MOLYBDENUM

Reference
MINERAL OCCURRENCES OF NEW YORK STATE

Lewis County
1 Mo Occurrence 2½ miles east of Kirschnuerville: Newland, 1921, p. 164.

St. Lawrence County
1 Mo Occurrence 4 miles southeast of Russell: Newland, 1921, p. 164.

NATURAL CEMENT ROCK

References
New York State Geol. Survey files.

Erie County
1 cem Quarry of Louisville Cement Co., 1 mile east of Clarence: New York State Geol. Survey files.
5 ls; cem Quarries of the Buffalo Cement Co. on Main St. near the belt line of the New York Central Railroad, Buffalo: Newland, 1921, p. 43; Ries, 1901, p. 837, 847.
6 cem; ls Quarries at Falkirk and Akron: Newland, 1921, p. 43; Ries, 1901, p. 847, 838; Graham, 1952, map; Chute, 1950, p. 20, 21.

Madison County
2 cem; gyp Quarries at Chittenango and southwest of Chittenango: Eckel, 1922, p. 211.

Onondaga County
1 cem Quarries at Fayetteville: Newland, 1921, p. 43; Ries, 1901, p. 847, 838.
2 cem; gyp Quarry at Dewitt: Ries, 1901, p. 847.
3 cem Quarry at Edwards Falls: Ries, 1901, p. 847, 838.
5 ls; cem Quarry at Skaneateles Falls: Ries, 1901, p. 847, 838.
6 ls; cem Quarries at Manlius: Newland, 1921, p. 43; Ries, 1901, p. 847.
7 ls; cem Quarries at Jamesville and one-half of a mile north of Jamesville on the east side of Butternut Creek: Newland, 1921, p. 43; Eckel, 1922, p. 211; Ries, 1901, p. 847, 838.

Schoharie County
1 ls; cem Quarries at Howes Cave: Newland, 1921, p. 43; Eckel, 1922, p. 211; Chute, 1950, p. 21.

Ulster County
1 cem Quarries at East Kingston: Newland, 1921, p. 42.
CONTRIBUTIONS TO ECONOMIC GEOLOGY

4  cem  Quarries at High Falls and Bruceville: Graham, 1952, map; Ries, 1901, p. 847.
5  cem; ls  Quarries at Eddyville and Wilbur: Ries, 1901, p. 847, 848.
6  cem  Quarry at Esopus: Ries, 1901, p. 847, 835.
7  cem  Quarries at Lefever Falls, west of Ulster Park: Ries, 1901, p. 848, 835.
8  ls; cem  Quarries at Whiteport, west of Bloomington: Ries, 1901, p. 848.

Reference

Warren County
1  och  Deposit on Crane Mountain, south of Johnsburg: Newland, 1921, p. 158.

References

Essex County
1  peg  Crown Point Spar mine, 2 miles south of Crown Point: Newland, 1921, p. 72.
2  peg  Barrett deposit, 1½ miles west of Ticonderoga: Newland, 1921, p. 73; Newland and Hartnagel, 1939, p. 36.

Hamilton County
1  dol; peg  Prospect pit one-half of a mile east of the south end of the village of Wells: Miller, 1916, p. 72.

St. Lawrence County
1  peg  Scotts farm deposits, 2 miles southeast of Fine: Newland, 1921, p. 75; Newland and Hartnagel, 1939, p. 37.

Saratoga County
1  peg  Deposit 3 miles southwest of Corinth: Newland, 1921, p. 74.
2  peg; U  Gordon quarry and other quarries, 2 miles north of Batchellerville: Newland, 1916, p. 166–168; Newland, 1921, p. 74, 152; Newland and Hartnagel, 1939, p. 18; New York State Geol. Survey files.

Washington County
3  SiO₂; peg  Deposit 5½ miles west of Fort Ann: Newland and Hartnagel, 1939, p. 36.

*If only 1 or 2 minerals have been mined from a pegmatite deposit, the deposit is listed under the mineral (or minerals) mined. Pegmatite is used where more than two minerals have been mined and for pegmatites that have not been exploited.
Westchester County
1  peg  Kinkel quarries, 1½ miles southwest of Bedford: Newland, 1921, p. 76, 152.

References

Essex County
12  gph; S  Bly and Rock Pond prospects, 9 miles west-northwest of Ticonderoga: Alling, 1918, p. 135.

Jefferson County
1  S  Oxbow Southwest prospect (or Frank Bent Farm prospect), 2 miles southeast of Oxbow: Prucha, 1953, p. 9–12.
2  Fe; S  Wright prospect (at Dickson iron mine locality), 2 miles north of Antwerp: Prucha, 1953, p. 20–22.
3  Fe; S  Moran prospect, 3½ miles northeast of Antwerp: Prucha, 1953, p. 22, 23.
4  Fe; S  Keene prospect, at Spragueville: Prucha, 1953, p. 24, 25.

St. Lawrence County
1  Fe; S  Caledonia mine, 1½ miles northeast of Spragueville: Prucha, 1953, p. 25–27.
2  Fe; S  Little River and O’Brien prospects, 2 miles west of west Pierrepont: Prucha, 1953, p. 57–59.
3  S  Hendricks prospect, 1½ miles southwest of Bigelow: Prucha, 1953, p. 31–34.
7  S  Kilburn prospect, 2 miles west of Fowler: Prucha, 1953, p. 52–54.
8  S; Fe  Ore Bed School prospect, 3 miles southwest of Herman: Prucha, 1953, p. 55–57.
9  S; ss  Brick Chapel prospect, 4½ miles southeast of Canton: Prucha, 1953, p. 59, 60.
11  Zn; S  Edwards mine at Edwards: Hartnagel and Broughton, 1951, p. 87.
3  talc; Zn  Pyrite is mined as a byproduct at the Balmat mine, 3 miles southwest of Emeryville: Hartnagel and Broughton, 1951, p. 87.
2  talc; Zn  Pyrite has been mined as a byproduct at the Hyatt mine, one-half of a mile southwest of Talcville: Hartnagel and Broughton 1951, p. 87.
Saratoga County
2 gph; S Graphite Products Corp. mine, 5 miles north of Saratoga Springs: Alling, 1918, p. 135, 107, 109.
3 gph; S Sacandaga Graphite Co. mine, 1 mile west of Conklinville: Alling, 1918, p. 135, 95, 96.

Warren County
3 gph; S Rowland mine, 2½ miles southwest of Wevertown: Alling, 1918, p. 135, 88, 89.

Westchester County
2 U; S Anthony’s Nose deposit, northwest of Peekskill: Newland, 1921, p. 217; Hartnagel and Broughton, 1951, p. 87.

QUARTZITE

Reference

Dutchess County
1 qzt Deposit 2½ miles southeast of Fishkill: Colony, 1919, p. 9, 10.

Ulster County
1 qzt Quarries southeast of Accord: Colony, 1919, p. 11.

Westchester County
1 U; qzt Deposit northwest of Peekskill: Colony, 1919, p. 7.

SALT AND NATURAL BRINES

References
Cayuga County
1 mrl; bri Salt has been produced from natural brine at Montezuma: Merrill, 1893, p. 17.

Genesee County
1 NaCl; ls Wells at Leroy: Hartnagel and Broughton, 1951, p. 93; Alling, 1928, p. 64; Phalen, 1919, p. 16, 25; Bishop, 1886, p. 14.
2 NaCl Wells at Pavilion: Hartnagel and Broughton, 1951, p. 93; Alling, 1928, p. 67; Phalen, 1919, p. 25, 26; Bishop, 1892, p. 54.

Livingston County
1 NaCl Mine and well at Cuylerville: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1939, p. 81; Newland and Hartnagel, 1928, p. 88; Bishop, 1892, p. 60.
2 NaCl; sd Wells at Mount Morris: Hartnagel and Broughton, 1951, p. 93; Phalen, 1919, p. 34; Bishop, 1886, p. 16, 31.
3 NaCl Wells at Piffard: Hartnagel and Broughton, 1951, p. 93; Alling, 1928, p. 69; Phalen, 1919, p. 31, 32; Bishop, 1886, p. 16, 27.
4 NaCl Mine at Retsof: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1939, p. 79, 81; Newland and Hartnagel, 1928, p. 87, 88; Phalen, 1919, p. 16, 22, 33.
5 NaCl Mine at Greigsville: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1939, p. 81; Newland and Hartnagel, 1928, p. 88; Phalen, 1919, p. 16, 33, 34.
6 NaCl Wells and mine, south of Livonia: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1939, p. 81; Newland and Hartnagel, 1928, p. 88; Phalen, 1919, p. 16, 33, 34.
7 NaCl Wells at York: Phalen, 1919, p. 30: Bishop, 1886, p. 27; Bishop, 1892, p. 60.
8 NaCl Wells at Lakeville: Phalen, 1919, p. 35; Bishop, 1886, p. 16, 31; Bishop, 1892, p. 60.
9 NaCl Lackawanna salt well, midway between Moscow and Mount Morris: Bishop, 1886, p. 30.

Onondaga County
1 NaCl Wells at Tully: Hartnagel and Broughton, 1951, p. 91, 93; Newland and Hartnagel, 1939, p. 81; Newland and Hartnagel, 1928, p. 87, 89; Phalen, 1919, p. 41.
2 bri Syracuse salt springs on Salt Point (village of Salina): Hartnagel and Broughton, 1951, p. 88, 91, 92; Newland and Hartnagel, 1939, p. 79–80.

Schuyler County
1 NaCl Wells at Watkins Glen: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1928, p. 88, 91; Kindle, 1904, p. 570; Phalen, 1919, p. 17, 37.
2 NaCl Wells at Salt Point, just north of Watkins Glen: Kindle, 1904, p. 570.
Tompkins County

1 NaCl; Is Wells at Myers and Ludlowville: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1939, p. 79; Newland and Hartnagel, 1928, p. 87, 88; Phalen, 1919, p. 17, 39, 40.

2 NaCl Wells at Ithaca: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1939, p. 81; Newland and Hartnagel, 1928, p. 87; Phalen, 1919, p. 39; Kindle, 1904, p. 569.


4 NaCl Well 2½ miles northwest of Ithaca: Graham, 1952, map.

Wyoming County

1 NaCl Wells 1 mile south of Wyoming: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1939, p. 80; Phalen, 1919, p. 16, 27; Bishop, 1886, p. 13, 14, 20.

2 NaCl Wells at Warsaw: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1939, p. 80; Alling, 1928, p. 67; Bishop, 1886, p. 14, 15.

3 NaCl; ss Wells at Rock Glen, 3 miles south of Warsaw: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1928, p. 87; Bishop, 1886, p. 16.

4 NaCl Wells at Silver Springs: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1928, p. 87; Phalen, 1919, p. 22, 29; Bishop, 1886, p. 16.

5 NaCl Wells at Castile: Hartnagel and Broughton, 1951, p. 93; Phalen, 1919, p. 22, 29; Bishop, 1892, p. 60.

6 NaCl Well at Bliss: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1939, p. 80; Alling, 1928, p. 64; Phalen, 1919, p. 30.

7 NaCl Wells at Gainesville: Hartnagel and Broughton, 1951, p. 93; Newland and Hartnagel, 1939, p. 80.

8 NaCl Wells at Pearl Creek: Hartnagel and Broughton, 1951, p. 93; Bishop, 1892, p. 54.

9 NaCl Wells at Saltvale between Wyoming and Warsaw: Hartnagel and Broughton, 1951, p. 93; Phalen, 1919, p. 27; Bishop, 1886, p. 21.

10 NaCl Well at Perry: Hartnagel and Broughton, 1951, p. 93; Phalen, 1919, p. 18, 29; Bishop, 1886, p. 24; Bishop, 1892, p. 60.

11 NaCl Well 2 miles south of Warsaw: Bishop, 1886, p. 23.

References

The locations of most of the deposits discussed in these references are given by towns called centers of production. Many of the deposits, however, are probably near the towns rather than in them, but because of the lack of precise information, the locations are shown at the towns. In some places the locations given are too vague to be used.

Unless otherwise noted, all sands are moulding sand.

### Albany County

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>1 sd</td>
<td>Deposits at Albany: Anonymous, 1953, p. 208–D.</td>
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<tr>
<td>3 sd</td>
<td>Deposit at Selkirk, 2 miles southwest of Cedar Hill: Anonymous, 1953, p. 216–D.</td>
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<tr>
<td>4 sd</td>
<td>Deposit at Karner, 6 miles northwest of Albany: Ruedemann, 1953, p. 203.</td>
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<tr>
<td>5 sd</td>
<td>Deposit at West Albany, 2 miles north of Albany: Ruedemann, 1953, p. 203.</td>
</tr>
<tr>
<td>6 sd</td>
<td>Deposit at Slingerland: Ruedemann, 1930, p. 203.</td>
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<tr>
<td>7 sd</td>
<td>Deposit at Wemple, 2 miles north of Cedar Hill: Ruedemann, 1953, p. 203.</td>
</tr>
<tr>
<td>8 sd</td>
<td>Deposit at Glenmont, 3 miles south of Albany: Ruedemann, 1930, p. 203.</td>
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### Allegany County

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<tr>
<td>1 sd</td>
<td>Deposit 1 mile south of Belmont: Nevin, 1929, p. 82.</td>
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<tr>
<td>2 sd</td>
<td>Deposit 1½ miles east of Friendship: Nevin, 1929, p. 82.</td>
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<td>3 sd</td>
<td>Deposit at Wellsville: Nevin, 1929, p. 83.</td>
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### Cattaraugus County

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<tr>
<td>1 sd</td>
<td>Deposit at Vandalia, 4 miles east of Carrolton: Nevin, 1929, p. 87.</td>
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<tr>
<td>2 sd</td>
<td>Deposits at Olean: Nevin, 1929, p. 87.</td>
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<tr>
<td>3 sd</td>
<td>Deposit 2 miles south of Vandalia (see No. 1): Nevin, 1929, p. 87.</td>
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### Columbia County

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<td>1 sd</td>
<td>Deposit at Stuyvesant: Nevin, 1925, p. 6.</td>
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### Dutchess County

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<tr>
<td>1 sd</td>
<td>Deposit at Staatsburg: Nevin, 1925, p. 6.</td>
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<tr>
<td>2 sd</td>
<td>Deposit 1½ miles southeast of Milton: Gordon, 1911, p. 110.</td>
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<tr>
<td>3 dol; sd</td>
<td>Deposits 2 miles north of New Hamburg: Gordon, 1911, p. 110.</td>
</tr>
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### Essex County

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<td>1 sd</td>
<td>Occurrence 1 mile north of Whallonsburg: Nevin, 1929, p. 98.</td>
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<tr>
<td>2 dol; sd</td>
<td>Deposits at Willsboro: Nevin, 1929, p. 98.</td>
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### Genesee County

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<td>1 sd</td>
<td>Deposit 4 miles northeast of Akron, Erie County: Nevin, 1929, p. 96.</td>
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### Greene County

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<th>No.</th>
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<td>1 sd</td>
<td>Deposit 2 miles south of Coxsackie: Goldring, 1943, p. 358.</td>
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### Livingston County

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<tr>
<td>1 sd</td>
<td>Deposit at Sonyea: Nevin, 1929, p. 101.</td>
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<tr>
<td>2 NaCl; sd</td>
<td>Deposit at Mount Morris: Nevin, 1929, p. 103.</td>
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<tr>
<td>3 sd</td>
<td>Deposit at Hunts, 2 miles west of Dalton: Nevin, 1929, p. 102.</td>
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Oneida County
1 sd Deposit 2 miles southeast of Blossvale: Graham, 1952, map.
2 sd Deposit at McConnellsville: Anonymous, 1953, p. 213–D.
4 sd Deposit at Forestport: Nevin, 1929, p. 111. (Core sand.)

Orleans County
1 sd Deposit at Lyndonville: Nevin, 1929, p. 115.

Oswego County
1 sd Deposit at South Granby, 2½ miles west of Himmansville: Nevin, 1929, p. 117.
2 sd Deposit at Selkirk, 1 mile northwest of Port Ontario: Nevin, 1929, p. 117. (Core sand.)

Rensselaer County
1 sd Deposit at Reynolds, 1 mile east of Mechanicville: Ruedemann, 1930, p. 203.
2 sd Deposit at Schaghticoke: Ruedemann, 1930, p. 203.
3 sd Deposit at South Schadack (Van Hoesen): Ruedemann, 1930, p. 203.

Saratoga County
1 spa; sd Deposit at Saratoga Springs: Nevin, 1925, p. 6.
2 spa; sd Deposit at Ballston Spa: Ruedemann, 1930, p. 203.
3 sd Deposit at Mechanicville: Ruedemann, 1930, p. 203.
4 sd Deposit at Round Lake: Ruedemann, 1930, p. 203.
5 sd Deposit at Elnora: Ruedemann, 1930, p. 203.
6 sd Deposit at Waterford: Ruedemann, 1930, p. 203.
7 sd Deposit at Vischer Ferry: Ruedemann, 1930, p. 203.
8 sd Deposit at Gansevoort: Nevin, 1925, p. 6.
9 sd; tr Deposit at Schuylerville: Nevin, 1925, p. 6.
10 sd Deposit at Burgoyne, 4 miles west of Schuylerville: Nevin, 1925, p. 6.
11 sd Deposit at Waygoyne, 1 mile southwest of Ketchum's Corners: Nevin, 1925, p. 6.
12 sd Deposit at Crescent: Nevin, 1925, p. 6.
13 sd Deposit at Ushers, 3½ miles west of Mechanicville: Anonymous, 1953, p. 217–D.

Schenectady County
1 sd Deposit at Scotia: Nevin, 1929, p. 123.
2 sd Deposit at Niskayuna: Ruedemann, 1930, p. 203.
3 ss; sd Deposit at Schenectady: Ruedemann, 1930, p. 203.
4 sd Deposit at Alplaus, 1 mile west of Rexford: Ruedemann, 1930, p. 203.

Ulster County
1 sd Deposit at Port Ewen, 2 miles south of Kingston: Nevin, 1925, p. 6.
2 sd; dol Deposit at Marlboro: Nevin, 1925, p. 6.

Wayne County
1 sd Deposit at Sodus Point: Nevin, 1929, p. 127. (Core sand.)
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1 ss Quarries west of Cohoes: Burchard, 1912, p. 796.
2 ss Quarries at Berne: Burchard, 1912, p. 797.
3 ss Quarry at Reidsville: Smock, 1888, p. 73.
4 ss Quarry at Dormansville: Smock, 1888, p. 72.

Allegany County

1 ss Quarry at Almond: Burchard, 1912, p. 796.
2 ss Quarry at Scio: Burchard, 1912, p. 797.
3 ss Quarry at Belmont: Smock, 1888, p. 90; Dickinson, 1903, p. 100.
4 ss Quarry at Belvidere: Smock, 1888, p. 90; Dickinson, 1903, p. 100.
5 ss Quarry 2 miles south of Belfast: Smock, 1888, p. 91.
6 ss Quarry 2 miles southwest of Belmont: Dickinson, 1903, p. 100.
7 ss Quarry 1 mile south of Angelica: Dickinson, 1903, p. 100.
8 ss Quarry at Cuba: Dickinson, 1903, p. 100, 101.
CONTRIBUTIONS TO ECONOMIC GEOLOGY

Broome County
1 ss Quarries at Deposit: Dickinson, 1903, p. 74, 75.
2 ss Quarries at East Windsor, 2 miles northeast of Windsor: Burchard, 1912, p. 797.
3 ss Quarries at Gulf Summit: Burchard, 1912, p. 797.
4 ss Quarry at McClure Settlement, one-half of a mile west of Oquaga: Dickinson, 1903, p. 76, 77.
5 ss Quarries at Sanford: Burchard, 1912, p. 797.
6 ss Quarry at Windsor: Burchard, 1912, p. 797.
7 ss Quarry on Delaware River, between Deposit and Hale Eddy: Dickinson, 1903, p. 74.
8 ss Quarries 2 miles west of Hale Eddy: Dickinson, 1903, p. 75.
9 ss Quarries 4 miles west of Hale Eddy: Dickinson, 1903, p. 75, 76.

Cattaraugus County
1 ss Quarry at Machias: Burchard, 1912, p. 796.
2 ss Quarry 8 miles northeast of Olean: New York State Geol. Survey files.
3 ss Quarry at Franklinville: Burchard, 1912, p. 797.
4 ss Quarries 2½ miles south of Olean: Smock, 1888, p. 91; Dickinson, 1903, p. 101; Burchard, 1912, p. 796.

Cayuga County
1 ss Quarry at Kings Ferry: Dickinson, 1903, p. 90.
2 ss Quarry 2 miles west of Five Corners: Smock, 1888, p. 81.

Chautauqua County
1 ss Quarries east of Jamestown: Dickinson, 1903, p. 101, 102; Smock, 1888, p. 91, 92.
2 ss Quarries 1 mile north of Laona: Dickinson, 1903, p. 103.
3 ss Quarry at North Clymer: Dickinson, 1903, p. 102.
4 ss Quarry 2 miles northeast of Westfield: Dickinson, 1903, p. 103.

Chemung County
1 ss Quarry 1 mile west of Waverly: Smock, 1888, p. 85.
2 ss Quarries west of Elmira along Chemung River: Dickinson, 1903, p. 96.
3 ss Quarries north of Elmira: Dickinson, 1903, p. 96; Smock, 1888, p. 85–87.

Chenango County
1 ss Quarry at Afton: Burchard, 1912, p. 797.
2 ss Quarries at East Guilford: Burchard, 1912, p. 797.
3 ss Quarry at McDonough: Burchard, 1912, p. 797.
4 ss Quarries at Norwich: Burchard, 1912, p. 797.
5 ss Quarry at South Oxford: Burchard, 1912, p. 797; Dickinson, 1903, p. 89.
6 ss Quarries at Oxford: Smock, 1888, p. 78–80; Dickinson, 1903, p. 87–89.
7 ss Quarry at Smithville Flats: Smock, 1888, p. 80.
8 ss Quarries at New Berlin: Smock, 1888, p. 80.

Delaware County
1 ss Quarry at Andes: Burchard, 1912, p. 797.
2 ss Quarries at Apex: Burchard, 1912, p. 797; Dickinson, 1903, p. 71.
3 ss Quarry at Arena: Burchard, 1912, p. 797.
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Quarries at Beerston: Burchard, 1912, p. 797.

Quarries at Burnwood, 4 miles west of Cooks Falls: Burchard, 1912, p. 797.

Quarry at Cadosia: Burchard, 1912, p. 797.

Quarries at Cannonsville: Burchard, 1912, p. 797.

Quarry at Colchester, 3 miles east of Walton, including quarries in Marvin and Oxbow Hollows: Dickinson, 1903, p. 69–70; Burchard, 1912, p. 797.

Quarries at Cooks Falls: Burchard, 1912, p. 797.

Quarry at Delhi: Burchard, 1912, p. 797.

Quarries at De Lancey: Burchard, 1912, p. 797.

Quarries at Fishs Eddy: Burchard, 1912, p. 797; Dickinson, 1903, p. 73, 74.

Quarry at French Woods, 3 miles south of Fishs Eddy: Burchard, 1912, p. 797.

Quarries at Goulds, 4 miles south of Peekville: Burchard, 1912, p. 797.

Quarries at Hale Eddy: Burchard, 1912, p. 797; Dickinson, 1903, p. 75, 78, 79.

Quarries at Hamden: Burchard, 1912, p. 797; Dickinson, 1903, p. 70, 71.

Quarries at Hancock: Burchard, 1912, p. 797; Dickinson, 1903, p. 71–73, 79–81.

Quarries at Harvard: Burchard, 1912, p. 797.

Quarry at Kelsey, 3 miles southwest of Apex: Burchard, 1912, p. 797; Dickinson, 1903, p. 81, 82.

Quarries at Lordville: Burchard, 1912, p. 797.

Quarry at Merrickville: Burchard, 1912, p. 797; Dickinson, 1903, p. 68, 69.

Quarries at Pepacton: Burchard, 1912, p. 797.

Quarry at Rock Rift: Burchard, 1912, p. 797.

Quarries at Shavertown, 1 mile west of Union Grove: Burchard, 1912, p. 797.

Quarries at Shinhopple, 3 miles northeast of Harvard: Burchard, 1912, p. 797.

Quarry at South Unadilla, 2 miles southwest of Unadilla: Burchard, 1912, p. 797.

Quarries at Union Grove: Burchard, 1912, p. 797.

Quarries at Walton: Burchard, 1912, p. 797.

Quarry at Roxbury: Smock, 1888, p. 72.

Quarries at Margaretville: Smock, 1888, p. 72; Burchard, 1912, p. 797.

Quarry at East Branch: Smock, 1888, p. 77; Dickinson, 1903, p. 74.

Quarry at Peakville (Trout Brook): Smock, 1888, p. 77.

Quarry at Grand Gorge: Smock, 1888, p. 77.

Quarry 2 miles west of Walton: Dickinson, 1903, p. 71.

Quarries 2 and 3 miles east of Cadosia: Dickinson, 1903, p. 72, 73.

Quarries 2 miles north of Fishs Eddy: Dickinson, 1903, p. 74.

Quarries 2 miles northeast of Hale Eddy: Dickinson, 1903, p. 79, 80.

Quarries 3 miles southeast of Hale Eddy: Dickinson, 1903, p. 81–83.
CONTRIBUTIONS TO ECONOMIC GEOLOGY

39 ss Quarries 2 miles north of Hancock and three-fourths of a mile northwest of Cadosia: Dickinson, 1903, p. 83, 84, 72.
40 ss Quarry 2 miles northwest of Lordville: Dickinson, 1903, p. 85.
41 ss Quarries 5 miles west of Cannonsville: Dickinson, 1903, p. 77.

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1 ss Quarry at Poughkeepsie: Burchard, 1912, p. 796.
2 ss Quarry at Rhinecliff: Smock, 1888, p. 52.

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1 ss Quarries at Keeseville: Smock, 1888, p. 46.
14 Fe; ss Quarry one-half of a mile west of Port Henry: Smock, 1888, p. 45.

Franklin County
1 ss Quarries at Burke: Burchard, 1912, p. 796.
2 ss Quarries at Malone: Smock, 1888, p. 46.

Fulton County
1 ss Quarry on Bunker Hill, 3 miles south of Northville: Miller, 1911, p. 61, map.

Greene County
1 ls; ss Quarries at New Baltimore: Smock, 1888, p. 52–54.
2 ss Quarry at Haines Falls: Burchard, 1912, p. 797.
3 ls; ss Quarry at Catskill: Smock, 1888, p. 72.
4 ss Quarry at Tannersville: Burchard, 1912, p. 797.
5 ss Quarry at Coxsackie: Smock, 1888, p. 72.
6 ss Quarries at Palenville: Smock, 1888, p. 72; Dickinson, 1903, p. 47–50.
7 ss Quarries 3 miles west of Catskill: Dickinson, 1903, p. 17.
8 ss Quarries at Kiskatom, 6 miles southwest of Catskill: Dickinson, 1903, p. 17.
9 ss Quarries at High Falls, 2 miles southeast of Palenville: Dickinson, 1903, p. 19.
10 ss Quarries at Agra: Burchard, 1912, p. 797.
11 ss Quarries at Platt Cove, 2 miles northwest of West Saugerties: Dickinson, 1903, p. 50–53; Burchard, 1912, p. 797.

Herkimer County
1 ss Quarry 7 miles west of Frankfort: Smock, 1888, p. 71.

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2 ss; ls Quarries at Alexandria Bay: Burchard, 1912, p. 796.
4 ss; gr Quarry at Theresa: Burchard, 1912, p. 796.
6 ls; ss Quarry at Clayton: Smock, 1888, p. 51.

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1 ss Quarry 1 mile south of Nunda: Clarke and Luther, 1908, p. 62.
2 ss Quarry 1 mile northeast of Danville: Smock, 1888, p. 88.

Madison County
1 ss Quarry at Canastota: Burchard, 1912, p. 797.

Monroe County
1 dol; ss Quarries north of Rochester: Burchard, 1912, p. 796; Smock, 1888, p. 59, 133.
2 ss Quarries at Brockport: Smock, 1888, p. 59.
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1 ss Quarries north of Lockport: Smock, 1888, p. 70, 71.
2 ss Quarries at Lewiston: Grabau, 1901, p. 16, 88.
3 ss Quarries at Lockport: Kindle and Taylor, 1913, p. 24.

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1 Fe; ss Quarry at Verona: Smock, 1888, p. 71.
2 ss Quarry at New Hartford and quarries south of Utica: Burchard, 1912, p. 796; Smock, 1888, p. 71; Kay, 1953, p. 111.
4 ss Quarry at Higginsville: Smock, 1888, p. 71; Burchard, 1912, p. 796.
5 ss Quarry at Fishcreek, 1 mile east of Sylvan Beach: Burchard, 1912, p. 797.

Orange County
1 ss Quarry near Otisville: Burchard, 1912, p. 796.
2 ss Quarries 3 miles northwest of Monroe: Smock, 1888, p. 78.

Orleans County
1 ss Quarry at Eagle Harbor: Burchard, 1912, p. 796.
2 ss Quarries at Medina: Smock, 1888, p. 66–70.
3 ss Quarries at Murray, 2 miles northeast of Hulberton: Burchard, 1912, p. 796; Merrill, 1895, p. 454–455.
4 ss Quarries at Shelby Basin, 2 miles west of Medina: Burchard, 1912, p. 796.
5 ss Quarries at Holley: Smock, 1888, p. 59, 60.
6 ss Quarries at Hulberton: Smock, 1888, p. 60–62.

Oswego County
1 ss Quarries at Oswego: Smock, 1888, p. 57.
2 ss Quarries at Oswego Falls: Smock, 1888, p. 57, 58.

Otsego County
1 ss Quarry north of West Davenport, east of Oneonta: Dickinson, 1903, p. 86.
2 ss Quarry at Cooperstown: Burchard, 1912, p. 797; Smock, 1888, p. 80.
3 ss Quarry at East Worcester: Burchard, 1912, p. 797.
4 ss Quarry at Middlefield: Burchard, 1912, p. 797.
5 ss Quarry at Milford: Burchard, 1912, p. 797.
6 ss Quarry at Otsego: Burchard, 1912, p. 796.

Rensselaer County
1 ss Quarries at Troy: Smock, 1888, p. 54.
2 ss Quarry one-half of a mile west of Quackenkill: New York State Geol. Survey files.
3 ss Quarry south of East Nassau, near Brainard Station: Ruedemann, 1930, p. 200.
Rockland County
1 ss Quarry at Nanuet, 2 1/2 miles southeast of Spring Valley: Burchard, 1912, p. 796.
2 ss Quarry at Piermont: Smock, 1888, p. 92, 93.
3 ss Quarry at Nyack: Smock, 1888, p. 92, 93.
4 ss Quarry 2 miles southwest of Haverstraw: Smock, 1888, p. 93.

St. Lawrence County
1 ss Quarries at Hopkinton: Burchard, 1912, p. 796.
2 ss Quarries at Hannawa Falls (4 miles south of Potsdam): Smock, 1888, p. 46-49.
3 ss Quarries 2 miles south of Hammond: Smock, 1888, p. 49; Burchard, 1912, p. 796.
4 ss Quarry at Hammond: Smock, 1888, p. 51; Burchard, 1912, p. 796.
5 ss Quarries about 2 miles south-southeast of Canton: Chadwick, 1920, p. 52, map.
6 ss Quarry at Morley: Chadwick, 1920, p. 28, map.
7 ss Quarry west of Potsdam: Chadwick, 1920, p. 28, map.
8 ss Quarries 4-5 miles southeast of Canton: Chadwick, 1920, p. 52, map.

Saratoga County
1 ss Quarries near Quaker Springs: Cushing and Ruedemann, 1914, p. 152.

Schenectady County
1 ss Quarries at Duanesburg: Burchard, 1912, p. 796; Merrill, 1895, p. 395.
2 ss Quarries one-half of a mile south of Rexford: Smock, 1888, p. 54-56.
3 ss; ss Quarries at Schenectady: Smock, 1888, p. 56, 57.

Schoharie County
1 ss Quarries at Esperance: Burchard, 1912, p. 797.
2 ss Quarry at Eminence: Smock, 1888, p. 78.
3 ss Quarries near Huntersland: Smock, 1888, p. 78.
4 ss Quarries at Middleburg: Merrill, 1895, p. 456.

Schuyler County
1 ss Quarries 1 1/2 miles south of Watkins: Burchard, 1912, p. 797; Dickinson, 1903, p. 93.

Steuben County
1 ss Quarries at Corning: Smock, 1888, p. 87, 88; Dickinson, 1903, p. 97.
2 ss Quarry 2-3 miles northeast of Cohocton and 2 miles southeast of Atlanta: Smock, 1888, p. 88; Dickinson, 1903, p. 98, 99.
3 ss Quarries at Bath: Smock, 1888, p. 89; Dickinson, 1903, p. 97.
4 ss Quarries at Hornell: Smock, 1888, p. 89, 90; Dickinson, 1903, p. 99.
5 ss Quarry 2 1/2 miles west of Cohocton: Dickinson, 1903, p. 98.
6 ss Quarry 1 mile southwest of Bath: Dickinson, 1903, p. 98.
Sullivan County
1 ss Quarry at Acidalia: Burchard, 1912, p. 797.
2 ss Quarry at Callicoon: Burchard, 1912, p. 797.
3 ss Quarries at Livingston Manor: Burchard, 1912, p. 797.
4 ss Quarries at Long Eddy: Burchard, 1912, p. 797; Merrill, 1895, p. 417.
5 ss Quarries at Narrowsburg: Burchard, 1912, p. 797; Merrill, 1895, p. 416.
6 ss Quarry at Oakland Valley, 2½ miles southeast of Hartwood: Burchard, 1912, p. 797.
7 ss Quarry at Roscoe: Burchard, 1912, p. 797.
8 ss Quarry at Westbrookville, 5½ miles southeast of Hartwood: Burchard, 1912, p. 797.
9 ss Quarry at Wurtsboro: Burchard, 1912, p. 797.
10 ss Quarry at Pond Eddy: Smock, 1888, p. 76.
11 ss Quarry at Barryville: Smock, 1888, p. 76.
12 ss Quarries at Tusten: Merrill, 1895, p. 416.
13 ss Quarries at and northeast of Hankins: Merrill, 1895, p. 417.
14 ss Quarries at Cohecton: Merrill, 1895, p. 416.

Tioga County
1 ss Quarry 2 miles north of Waverly: Smock, 1888, p. 85; Dickinson, 1903, p. 95, 96.

Tompkins County
1 ss Quarries 2 miles east of Trumansburg: Smock, 1888, p. 81; Dickinson, 1903, p. 91.
2 ss Quarries 2½ miles southeast of Trumansburg: Smock, 1888, p. 82.
3 ss Quarries south and east of Ithaca: Smock, 1888, p. 83; Dickinson, 1903, p. 91.
4 ss Quarry 1 mile west of Trumansburg: Dickinson, 1903, p. 90, 91.

Ulster County
1 ss Quarry at Allaben: Burchard, 1912, p. 797.
2 ss Quarries at Brodhead, 2 miles southeast of West Shokan: Burchard, 1912, p. 797.
3 cem; ss Quarries at Rosendale: Burchard, 1912, p. 797.
4 ss; Is Quarries at Wilbur, south of Kingston: Burchard, 1912, p. 797.
5 ss Quarries at Kripplebush, 3 miles northeast of Accord: Burchard, 1912, p. 797; Dickinson, 1903, p. 43.
6 ss Quarry at Krumville, 2½ miles east of Samsonville: Burchard, 1912, p. 797.
7 ss Quarries 2½ miles southwest of Brown Station (near Olivebridge): Dickinson, 1903, p. 62–64.
8 ss Quarry at Mombaccus, 2½ miles west of Mettacahonts: Burchard, 1912, p. 797.
9 ss Quarry at New Paltz: Burchard, 1912, p. 797.
10 ss Quarries at Saugerties: Burchard, 1912, p. 797; Dickinson, 1903, p. 25, 26.
11 ss Quarries at West Hurley: Burchard, 1912, p. 797; Smock, 1888, p. 73; Dickinson, 1903, p. 37–39.
12 ss Quarries at Veterans P. O., 3 miles west of Saugerties: Dickinson, 1903, p. 22–27.
CONTRIBUTIONS TO ECONOMIC GEOLOGY

Quarries at Zena (or Cockburn), 2 miles east of Woodstock: Dickinson, 1903, p. 28-34.

Quarry at Katerine, 2 miles southeast of Ruby: Dickinson, 1903, p. 34.

Quarries at Atwood, 5 miles southwest of Hurley: Dickinson, 1903, p. 42, 43.

Quarries at Stone Ridge: Dickinson, 1903, p. 43.

Quarries 2 miles southwest of Palenville: Dickinson, 1903, p. 45, 56.

Quarries 2½ miles southwest of West Saugerties: Dickinson, 1903, p. 45, 46.

Quarries 3 miles north of Woodstock: Dickinson, 1903, p. 45, 46.

Quarries 3 miles northeast of Woodstock (near Daisy): Dickinson, 1903, p. 55.

Quarries 2 miles west of Woodstock (near Bearsville): Dickinson, 1903, p. 57, 59.

Quarries 2 miles south of Woodstock (near Glenford): Dickinson, 1903, p. 58, 60, 61.


Quarry 4½ miles east of Chichester: Dickinson, 1903, p. 59, 60.

Quarries at Hurley: Burchard, 1912, p. 797; Dickinson, 1903, p. 39-42.

Quarries at Quarryville: Smock, 1888, p. 73; Dickinson, 1903, p. 19-22.

Quarries at Ruby (Dutch Settlement): Smock, 1888, p. 73; Dickinson, 1903, p. 32-34.

Quarries at Hallihan Hill & Sawkill, 2 miles south of Ruby: Smock, 1888, p. 73; Dickinson, 1903, p. 34-37.

Quarry at Jockey Hill, 2½ miles southwest of Ruby: Smock, 1888, p. 73.

Quarry at Stony Hollow, 2 miles southeast of West Hurley: Smock, 1888, p. 73.

Quarry on Morgan Hill, 2½ miles south of West Hurley: Smock, 1888, p. 73.

Quarries at Marbetown and Lomontville, 3½ miles southwest of Hurley: Smock, 1888, p. 73; Burchard, 1912, p. 797; Dickinson, 1903, p. 41, 42.

Quarries at Woodstock: Smock, 1888, p. 73; Dickinson, 1903, p. 56-58, 60.

Quarry at Shokan, 1 mile west of Ashokan: Smock, 1888, p. 73.

Quarry 1 mile north of Highland: Smock, 1888, p. 51, 52.

Quarries at West Saugerties: Smock, 1888, p. 72; Dickinson, 1903, p. 50-55.

Quarry at Phoenicia: Smock, 1888, p. 72.

Quarry at Shandaken: Smock, 1888, p. 72.

Quarry at Pine Hill: Smock, 1888, p. 72, 74.

Quarry at Boiceville, 3½ miles northwest of Ashokan: Smock, 1888, p. 72.

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Washington County
2 ss; gr  Quarry at Whitehall: Smock, 1888, p. 45.
4 SiO₂; ss  Quarry 2 miles north of Fort Ann: Smock, 1888, p. 45.

Wyoming County
1 ss  Quarry at Arcade: Burchard, 1912, p. 797.
2 ss  Quarries 2 miles south of Portageville and at Bluestone, 3 miles south of Portageville: Smock, 1888, p. 83-84; Dickinson, 1903, p. 93-94.
3 NaCl; ss  Quarries 4 miles south of Warsaw at Rock Glen: Smock, 1888, p. 84, 85; Dickinson, 1903, p. 94, 95.

Yates County
1 ss  Quarry at Himrod: Burchard, 1912, p. 798; Dickinson, 1903, p. 92, 93.
2 ss  Quarries 3½ miles south of Penn Yan: Dickinson, 1903, p. 92.

Serpentine (Verd Antique)

References

Essex County
1 sp  J. C. Reed quarry, 6 miles due west of Port Henry near Broughton ledge: Kemp and Ruedemann, 1910, p. 152; Newland, 1916, p. 205, 206.
2 sp  Quarry near Minerva, 3 miles northeast of Aiden Lair: Miller, 1919, p. 100.
15 Fe; sp  Treadway quarry, 1 mile north of Port Henry at Craig Harbor, and quarry one-fourth of a mile north of Cheever iron mine: Newland, 1916, p. 207; Kemp and Ruedemann, 1910, p. 151, 152.

Hamilton County
1 sp  Quarry 1½ miles east of Lake Pleasant village: Miller, 1916, p. 71, map.

St. Lawrence County
1 sp  Quarry 1½ miles north of Harrisville, Lewis County: Newland, 1921, p. 270.

Warren County
1 sp  Quarry one-half of a mile west-southwest of Thurman: Newland, 1916, p. 207; Miller, 1914, p. 85.
SILICA

References
New York State Geol. Survey files.

Cattaraugus County
1. SiO₂ Deposit near Rock City, south of Olean: Hartnagel and Broughton, 1951, p. 34; New York State Geol. Survey files.

Franklin County
1. SiO₂ Deposit at Moira: Newland, 1921, p. 273, 274. (Product used in glass making.)
2. SiO₂ Deposit at Bangor: Newland, 1921, p. 273, 274. (Product used in glass making.)

Fulton County
1. SiO₂ Deposit at Kecks Center, 4 miles west of Johnstown: Newland, 1921, p. 220. (Product used in the manufacture of ferrosilicon.)

Oneida County
1. SiO₂ Workings at the east end of Lake Oneida: Colony, 1919, p. 21. (Source of glass sand.)

Oswego County
1. SiO₂ Deposit near Cleveland: Colony, 1919, p. 21; Graham, 1952, map.

Ulster County
1. SiO₂ Deposit south of Ellenville: Colony, 1919, p. 12. (Product used for glass making.)

Washington County
1. fels, SiO₂ Pegmatite deposit 2½ miles northwest of Fort Ann: Newland, 1921, p. 73. (Source of feldspar and quartz for pottery.)
2. SiO₂, peg Deposit 5½ miles west of Fort Ann: Newland and Hartnagel, 1939, p. 36. (Mined for quartz.)
3. SiO₂; ss Quarry 1½ miles northeast of Fort Ann: Colony, 1919, p. 17.

SILVER

Reference

St. Lawrence County
3. talc; Zn Silver is mined as a byproduct at the Balmat mine, 3 miles southwest of Emeryville: Hartnagel and Broughton, 1951, p. 98.
MINERAL OCCURRENCES OF NEW YORK STATE

SLATE

References

Washington County
Quarries in Washington County: Dale, 1914, p. 124, pl. 22; Graham, 1952, map.

STRONTIUM

Reference

Schoharie County
Sr Prospect 2 miles north of Schoharie: Newland, 1921, p. 282.

TALC

References
New York State Geol. Survey files.

Lewis County
Talc Mine of Carbola Chemical Co., 1½ miles northeast of Natural Bridge, just across the boundary in Lewis County: Newland and Hartnagel, 1928, p. 115-117.

St. Lawrence County
Talc Mines at Taleville and southwest of Taleville; Uniform Fibrous Talc Co. mines (Wintergreen mine); United States mine, International Talc Co. mine 2½: Newland and Hartnagel, 1928 p. 116; Cushing and Newland, 1925, p. 111-113.
Talc Mines east of Sylvia Lake; Loomis 1 mine or Woodcock mine, Gouverneur Talc Co. mine, Dominion Company shafts and prospects: Cushing and Newland, 1925, p. 111, 113, 114; Newland and Hartnagel, 1928, p. 116.
Talc Mine and prospects southeast of Emeryville; Ontario Talc mine: Cushing and Newland, 1925, p. 111, 114.
Talc Prospect (drilled) east of Brown’s School, 3 miles east of Colton: Reed, 1934, p. 61.
TRAP ROCK

References


New York State Geol. Survey files.


Richmond County

1 Fe; tr Quarries at Graniteville and Port Richmond: Newland, 1916, p. 153; Smock, 1888, p. 13; Merrill, 1895, p. 449.

Rockland County

1 tr Quarry 2½ miles southeast of Haverstraw: Newland, 1921, p. 280; Graham, 1952, map.

2 tr Quarry 2 miles northwest of Nyack: Newland, 1921, p. 280; Graham, 1952, map.

3 tr Quarry at Suffern: Newland, 1921, p. 280; Graham, 1952, map.

4 tr Quarry at Mount Ivy, 3½ miles west of Haverstraw: Hartnagel and Broughton, 1951, p. 108.

5 tr Quarries near Rockland Lake: Smock, 1888, p. 13.

Saratoga County

1 tr Quarry 3 miles northwest of Saratoga Springs: Newland, 1916, p. 148, 149.

2 tr Quarry at Stark’s Knob, 1 mile north of Schuylerville: Cushing and Ruedemann, 1914, p. 115–135, map.

9 sd; tr Quarry near Schuylerville: New York State Geol. Survey files.

Washington County

1 tr Quarry on ridge east of the canal near Fort Ann: Newland, 1916, p. 149.

URANIUM

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New York State Geol. Survey files.
Lewis County
1 U  Uranium mineral occurrences near Lyons Falls: New York State Geol. Survey files.

Orange County
1 U  Uranium occurrences west of Greenwood Lake: New York State Geol. Survey files.

Saratoga County
2 peg; U  Uranium mineral occurrences in the old feldspar quarries north of Batchellorville: New York State Geol. Survey files.

Sullivan County
1 U  Uranium mineral occurrence in sandstone and shale at Glenwild, east of Monticello: New York State Geol. Survey files.

Westchester County

References

Essex County

References

References

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Orange County

1 Zn, Pb Guymard mine and prospect of Washington Mining Company, 3½ miles southwest of Otisville: Hartnagel and Broughton, 1951, p. 122.

St. Lawrence County

2 talc; Zn Hyatt mine, one-half of a mile southwest of Talcville on the south side of Oswegatchie River: Hartnagel and Broughton, 1951, p. 121; Newland, 1921, p. 297.

3 talc; Zn Balmat mine and Parker deposit, 3 miles southwest of Emeryville: Hartnagel and Broughton, 1951, p. 120; Hermance and Sanford, 1949, p. 3.


Sullivan County

1 Zn, Pb Shawangunk (or Summitville) mine, at Summitville: Newland, 1921, p. 304; Hartnagel and Broughton, 1951, p. 122; Peterson, 1950, p. 46, 47.

Ulster County

1 Zn, Pb Ellenville mine, at Ellenville: Newland, 1921, p. 305.

2 Zn Spring Glen deposit, 4 miles southwest of Ellenville: Newland, 1921, p. 306.