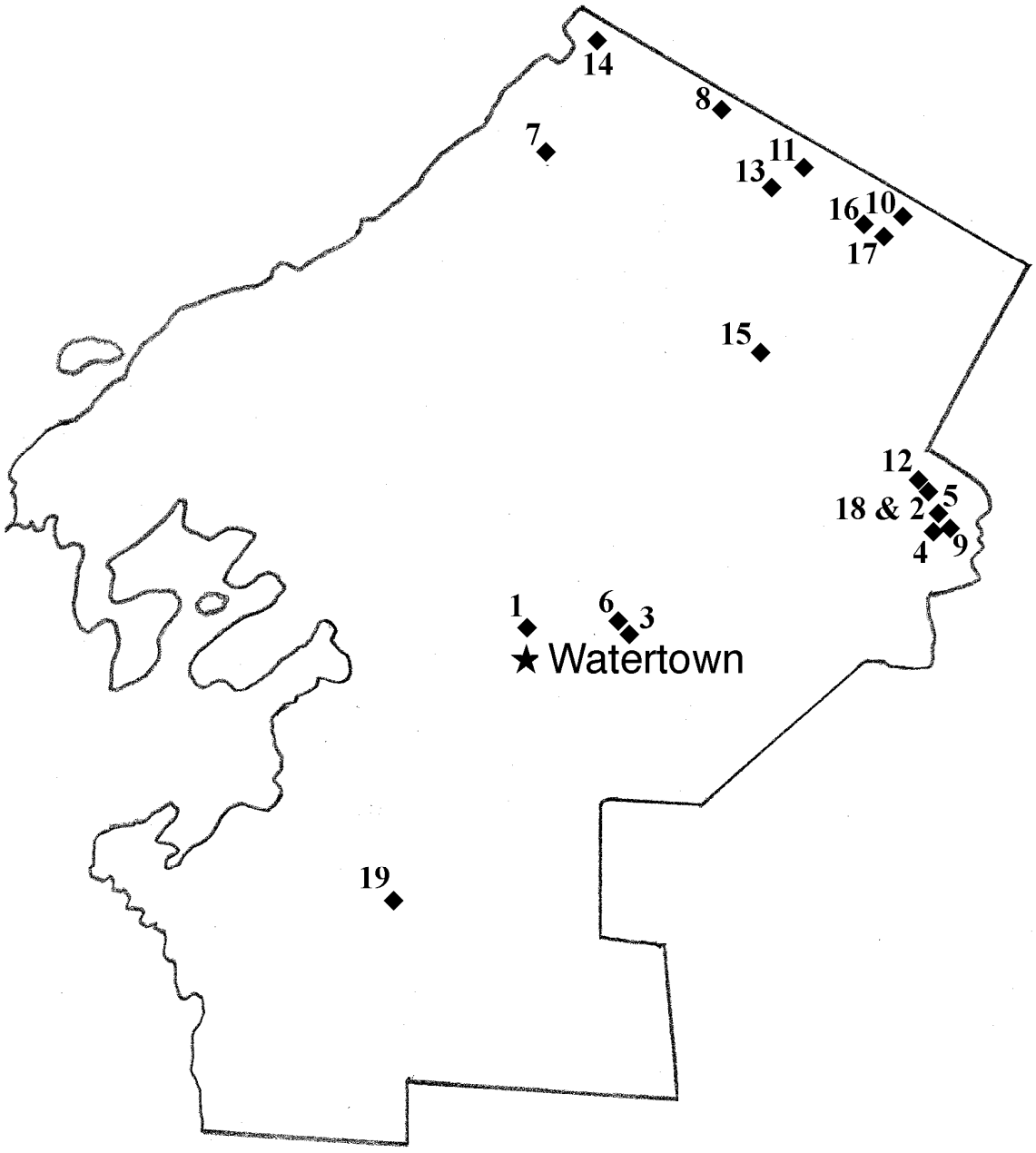
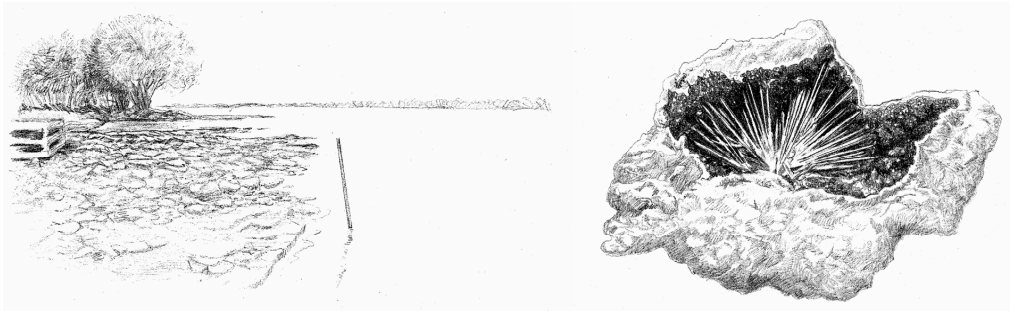
Jefferson County





Pillar Point. SR

Millerite, Sterling Mine. SR

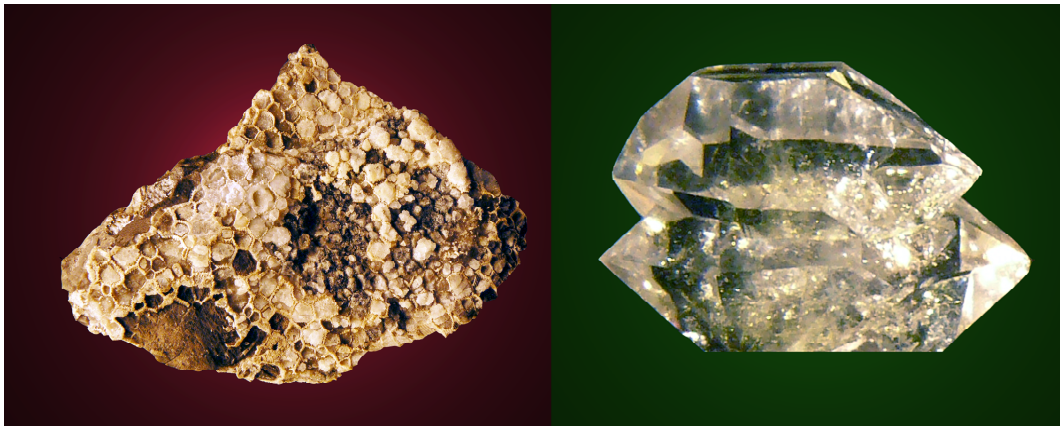
Localities with GPS coordinates (shown on map)

1) Barrett Quarry (S). *Minerals:* Celestine, Calcite, Chalcopyrite, Gypsum. North of Pamelia Center. Town of Pamelia.
GPS: (44°00'08"N, 75°54'47"W)
Reference: Unpublished

2) Calcite Gash Vein in West Wall (F). *Minerals:* Calcite, Goethite, Graphite, Quartz. Small quarry north of River Road, west of Natural Bridge. Town of Wilna.
GPS: (44°04'40"N, 75°29'48"W)
Reference: Agar, 1921

Calcite. Small quarry north of River Road, west of Natural Bridge. 10.5 cm. SCC37434 and photo.

3) Cliffs on East Bank of Black River (S). *Minerals:* Calcite, Dolomite, Quartz (Herkimer Diamond-like crystals in coral fossils). Black River just downstream from hydroelectric plant spillway. Town of Le Ray.
GPS: (44°00'21"N, 75°48'21"W)
References: Unpublished



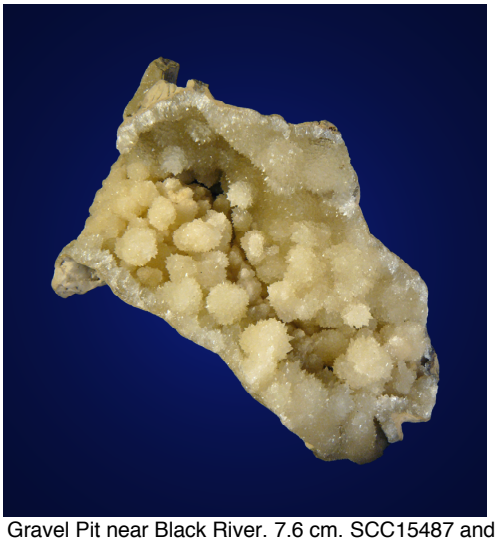
(L) Silicified Coral. East Bank of Black River. 10.9 cm. SCC16010 and photo.
(R) Quartz. East Bank of Black River. 1.9 cm. SCC15496 and photo.

4) Fork in Indian River (F). *Minerals:* Calcite. West of Natural Bridge. Town of Wilna.
GPS: (44°04'23"N, 75°29'41"W)
References: Unpublished

5) Gieseckite Locality, Indian River Crosscut (C, A). *Minerals:* Albite, Diopside, Gieseckite, Meionite, Microcline, Quartz, Rutile, Talc, Talc ps. after Apatite. Outcrop along Indian River Crosscut at Lyme Street, West of Natural Bridge. Town of Wilna..
GPS: (44°04'17"N, 75°29'38"W)
References: Whitlock, 1903; Green, et al., 2001; Robinson & Chamberlain, 2007b

Gieseckite. Indian River Crosscut, Natural Bridge. 3.0 cm. SCC24205 and photo.

6) Gravel Pit (F). *Minerals:* Calcite. Gravel Pit near Black River. Town of Le Ray.
GPS: (44°00'13"N, 75°48'39"W)
References: Robinson & Chamberlain, 2007b



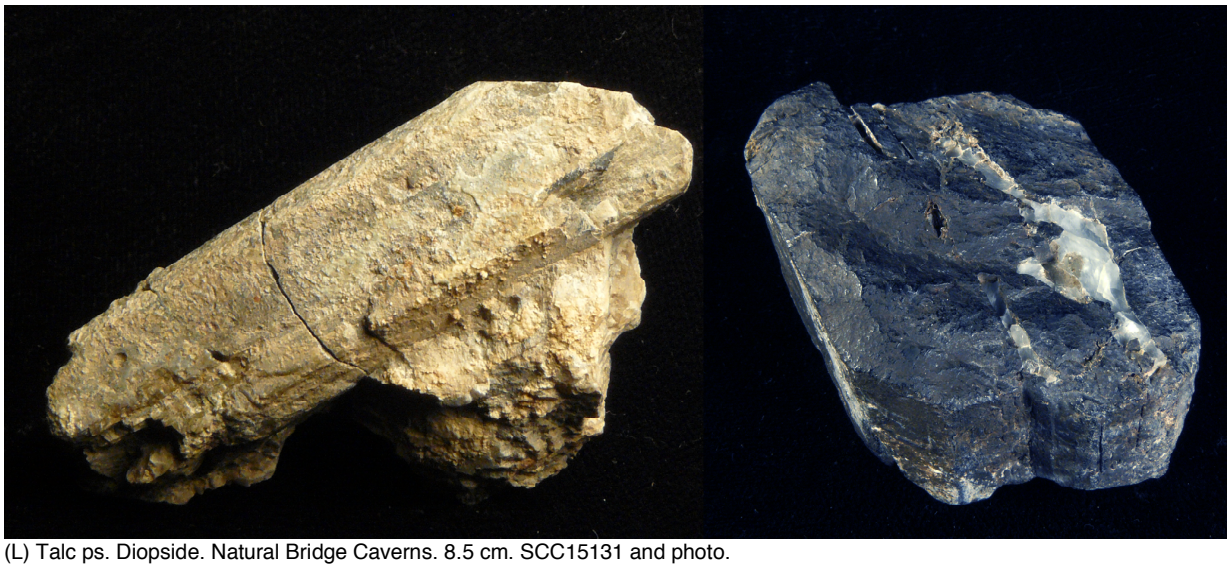
Calcite. Gravel Pit near Black River. 7.6 cm. SCC15487 and photo.

7) Ivy Lea Bridge Road Cut on I-81 (C). *Minerals:* Calcite, Diopside, Ilmenite, Microcline, Schorl. I-81 Road Cut South of the Iv Lea Bridge, near Alexandria Bay, Town of Orleans.
GPS: (44°16'57"N, 75°58'15"W)
References: Robinson & Chamberlain, 2007b

8) Muscalonge Lake Fluorite Locality (F). *Minerals:* Amphibole, Calcite, Celestine, Fluorite, Hematite, Serpentine, Strontianite. Vein in cliff on northeast shore of Muscalonge Lake. Town of Theresa.
GPS: (44°18'12"N, 75°41'12"W)
References: Whitlock, 1903; Agar, 1921; Robinson & Chamberlain, 2007a,b; Chamberlain & Robinson, 2013

(L) Fluorite. Muscalonge Lake. 20 cm. NYSM. SCC photo.
(R) Fluorite. Muscalonge Lake. 12 cm. NYSM. ER photo.

9) Natural Bridge Caverns (C). *Minerals:* Calcite, Diopside, Talc ps. Diopside. Exposures within Natural Bridge Caverns, Natural Bridge. Town of Wilna.
GPS: (44°04'14"N, 75°29'35"W)
References: Unpublished



(L) Talc ps. Diopside. Natural Bridge Caverns. 8.5 cm. SCC15131 and photo.
(R) Talc ps. Diopside. Natural Bridge Caverns. 7.2 cm. SCC36895 and photo.

10) Old Laidlaw Farm (C). *Minerals:* Pyrite, Pyrrhotite. 1 mile south of Oxbow and south of the Antwerp highway. Town of Antwerp.
GPS: (44°16'N, 75°36'W)
Reference: Newland, 1919

11)Payne (Vrooman) Lake Phlogopite Locality (C). *Minerals:* Phlogopite. Oxbow. Town of Theresa.
GPS: (44°16'49"N, 75°38'39")
Reference: Robinson & Chamberlain, 2007b

12)Quarry West of Natural Bridge (F). *Minerals:* Barite, Calcite, Quartz. Northeast of River Road. Town of Wilna. GPS: (44°04'44"N, 75°29'50"W)
References: Agar, 1921; Robinson & Alverson, 1971; Robinson & Chamberlain, 2007b

(L) Barite, Quartz. Quarry west of Natural Bridge. 6 cm. CMN351056. GWR photo.
(R) Calcite (twin). Quarry west of Natural Bridge. 7.5. CMN specimen. GWR photo.

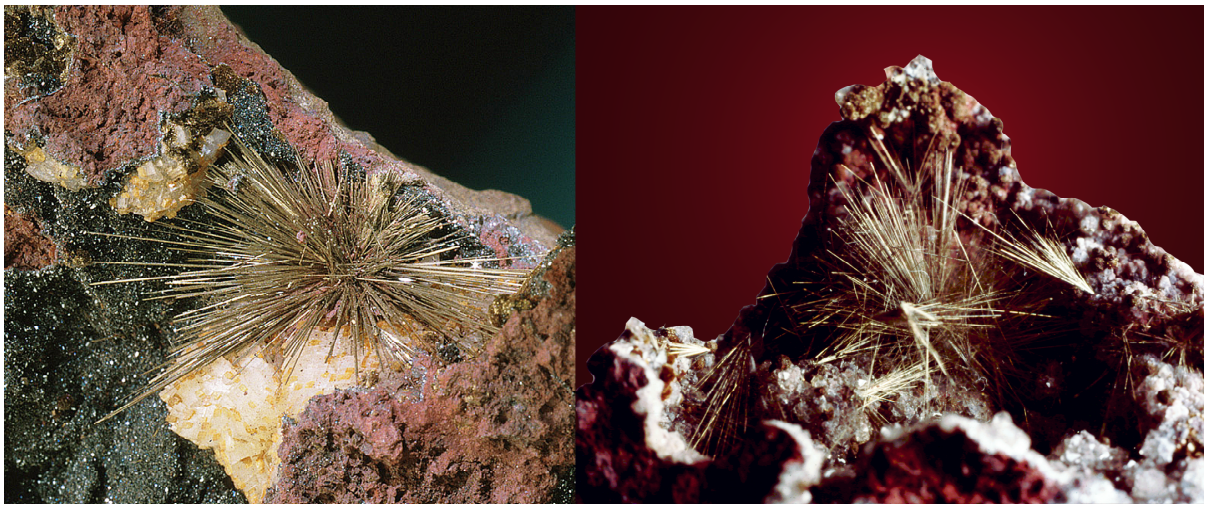
13)Red Lake Occurrence (C). *Minerals:* Altered Mica. Near Red Lake. Town of Theresa.
GPS: (44°15'53"N, 75°44'12"W)
Reference Unpublished

14)Rte. 12 Road Cut (C). *Minerals:* Epidote, Fluorapatite, Microcline, Uralite. Road Cut on Rte. 12 near Alexandria Bay. Town of Alexandria.
GPS: (44°23'20"N, 75°49'18"W)
Reference: Unpublished

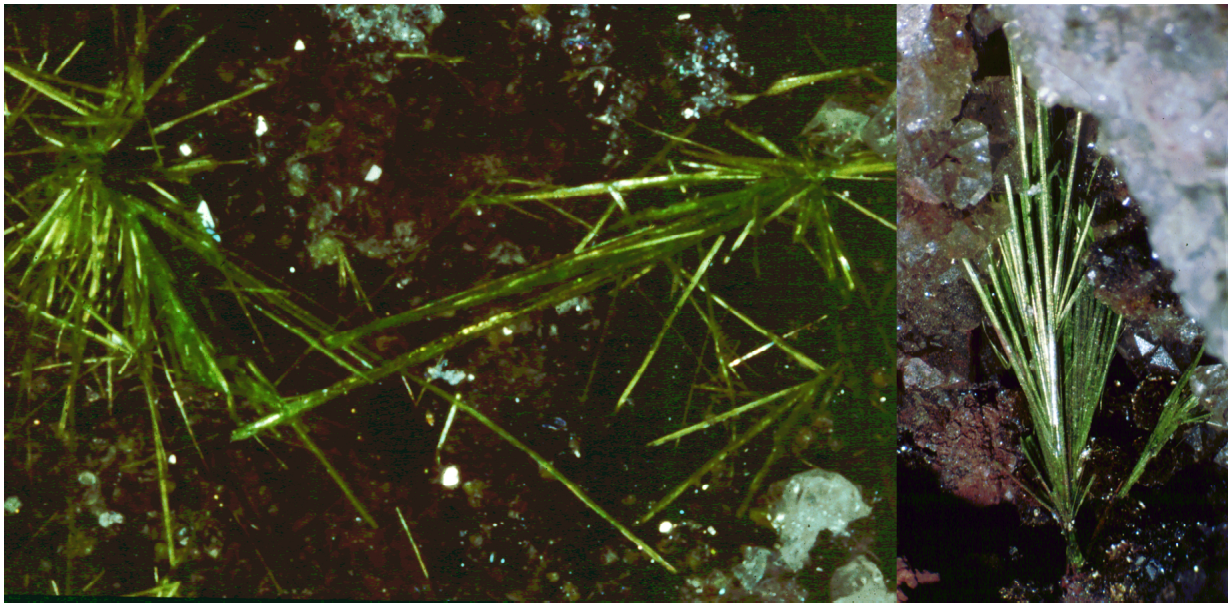
Uralite. Road Cut on Rte. 12, Alexandria Bay. 15 cm. JB photo.

15)Shirtliff Mine (F, A). *Minerals:* Hematite. 3.5 miles northwest of Philadelphia. Town of Philadelphia.
GPS: (44°09'00"N, 75°42'30"W)
References: Smock, 1889; Newland, 1919; Whitlock, 1903

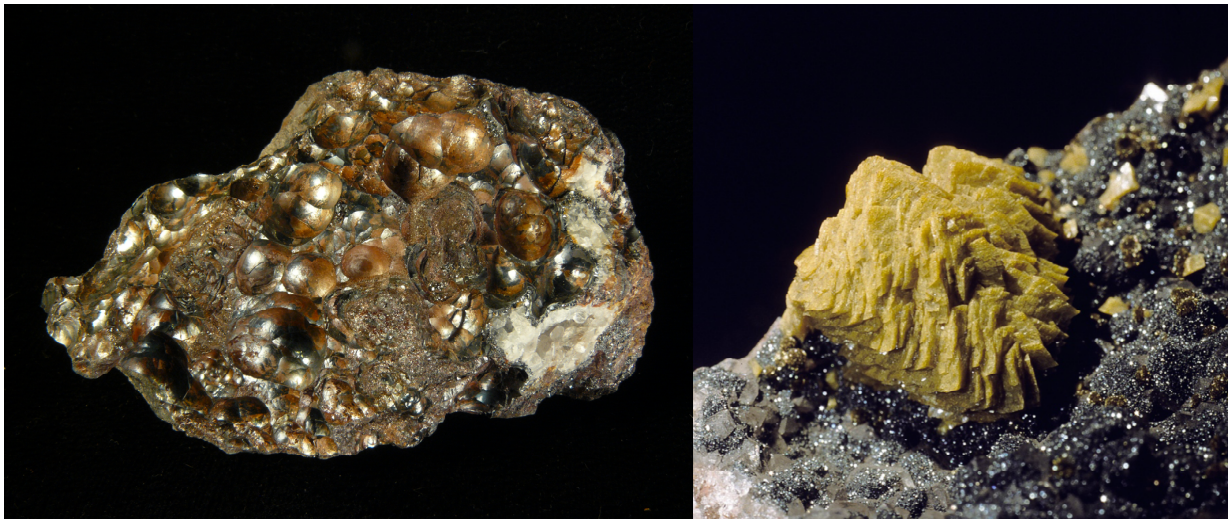
16)Sterling Mine (F, A). *Minerals:* Carbonate-rich Apatite, Calcite, Iron-rich Dolomite, Goethite, Graphite, Hematite, Magnetite ps. Hematite, Millerite, Muscovite, Pecoraite, Pyrite, Quartz (Rock Crystal and Jasper), Sepiolite, Siderite, Sphalerite, Stilpnomelane, Iron-rich Talc. North of Antwerp. Town of Antwerp.
GPS: (44°14'18"N, 75°35'28"W)
References: Prucha, 1957; Robinson & Chamberlain, 1984; Chamberlain, 1995; Robinson & Chamberlain, 2007a,b; Chamberlain & Robinson, 2013, Whitlock, 1903



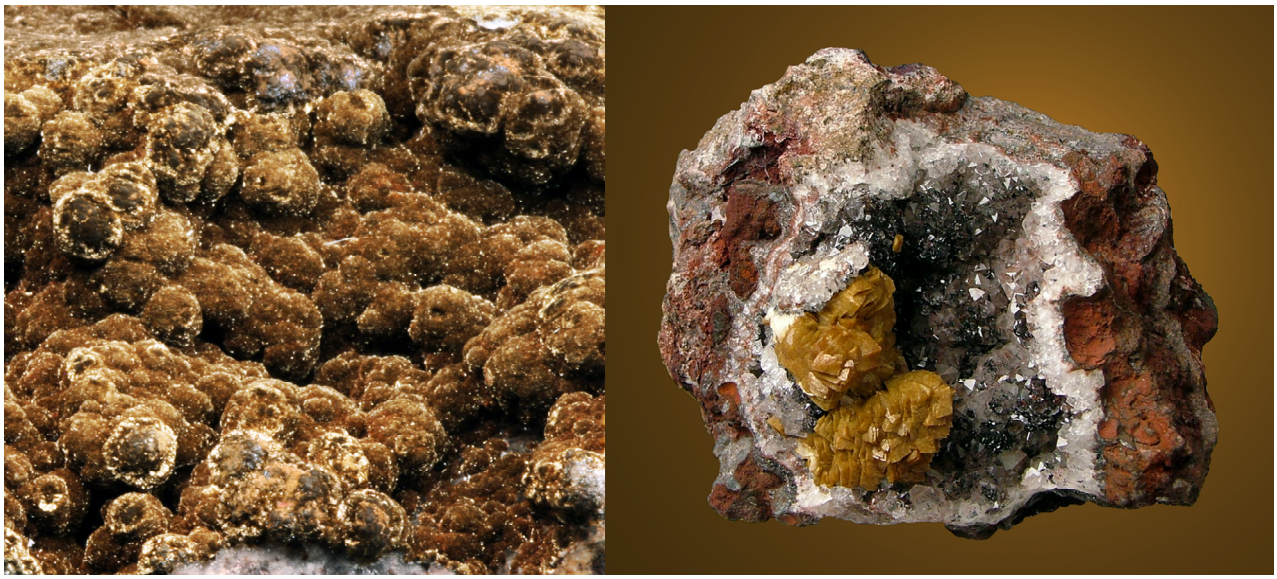
(L) Millerite, Dolomite, Magnetite ps. Hematite. Sterling Mine. 4.5-cm fov. NYSM. SCC photo.
(R) Millerite, Quartz, Hematite. Sterling Mine. 7.5 cm. SCC14310 and photo.



(L) Pecoraite ps. Millerite. Sterling Mine. 2-cm fov. SCC22094 and photo.
(R) Pecoraite ps. Millerite. Sterling Mine. 1.1-cm spray. SCC8101 and photo.



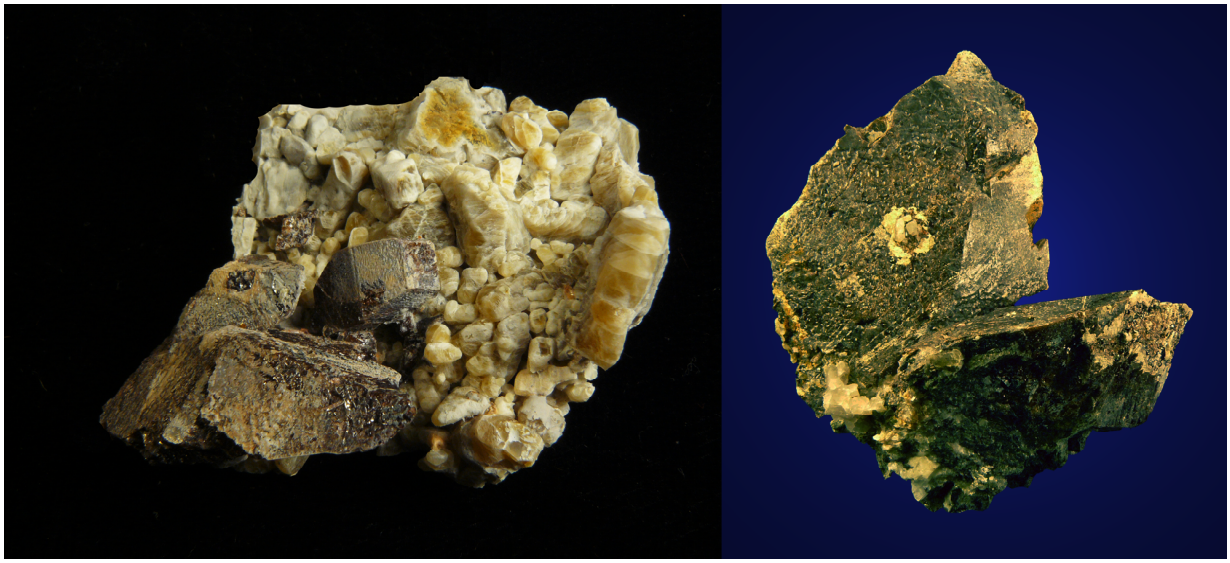
(L) Hematite. Sterling Mine. 8.3 cm. SCC36553 and photo.
(R) Siderite, Stilpnomelane. Sterling Mine. 4.5-cm fov. NYSM. SCC photo.



(L) Stilpnomelane. Sterling Mine. 6-cm fov. Seaman Mineral Museum. GWR photo.
(R) Siderite, Quartz, Hematite ps. Magnetite. Sterling Mine. 9.8 cm. SCC specimen. MW photo.

17) Terenite Locality (C). *Minerals:* Altered Scapolite (Terenite). In boulders in field near intersection of County Rte. 24 and Beartown Road, Town of Antwerp.
GPS: (44°14'04"N, 75°34'00"W)
Reference: Nims, 1886

18) Vein in North Wall of Small Quarry west of Natural Bridge (C). *Minerals:* Calcite, Diopside, Microcline, Quartz, Rutile, Titanite, Zircon. North of River Road, west of Natural Bridge. Town of Wilna.
GPS: (44°04'40"N, 75°29'48"W)
Reference: Agar, 1921



(L) Titanite, Microcline. Small Quarry north of River Road. 6.5 cm. SCC40781 and photo.
(R) Titanite, Rutile. Small Quarry north of River Road. 6 cm. SCC32618 and photo.

19)Weaver Farm (F). *Minerals:* Barite, Calcite, Chalcopyrite, Fluorite, Malachite. Adams Center. Town of Adams. GPS: (43°52'51"N, 76°02'16"W)
References: Whitlock, 1903; Robinson & Chamberlain, 2007b

Barite. Weaver Farm. 6 cm. SCC7899 and photo.

Localities without GPS coordinates (not shown on map)

Bent Farm Pyrite Locality (C, A). *Minerals:* Pyrite. Old Frank Bent farm, 2.5 miles southwest of Oxbow. Town of Antwerp.
Reference: Newland, 1919

Benton Calcite Locality (F). *Minerals:* Calcite. Dr. Benton property, near Oxbow.
Reference: Beck, 1842

Calcite. Dr. Benton Property. 7.6 cm. SCC15487 and photo.

Brownville Celestine Locality (S). *Minerals:* Calcite, Celestine. Brownville, 4 miles from Watertown. Town of Brownville.
References: Dana, 1898, Whitlock, 1903

Chaumont Celestine Occurrence (S). *Minerals:* Celestine (white, radiating needles). Chaumont Bay. Town of Lyme.
Reference: Whitlock, 1903

Dean Farm (F). *Minerals:* Barite (spongy masses), Pyrite (in marble). Robert Dean farm, 1 mile east of Oxbow, near St. Lawrence County line. Town of Antwerp.
Reference: Hough, 1850, 1853

Depauville Celestine Occurrence (S). *Minerals:* Celestine. Town of Clayton.
Reference: Whitlock, 1903

Dickson Mine (F, A). *Minerals:* Hematite. About 1 mile southwest of Sterling mine. Town of Antwerp.
References: Smock, 1889; Newland, 1919

Eggleston Farm (S, C). *Minerals:* Feldspar, Goethite (bog iron), Scapolite, Serpentine, Tourmaline (yellow). Eggleston farm. Town of Antwerp.
References: Nims, 1886; Dana, 1898

Gleason Farm (C). *Minerals:* Mica, Titanite. Old Gleason farm (Lot 149), Connecticut Road, Town of Antwerp.
Reference: Nims, 1886

H. Hall Farm (C). *Minerals:* Mica. Old H. Hall Farm. Town of Antwerp.
Reference: Nims, 1886

How Farm (C). *Minerals:* Hydrotalcite ps. Spinel (Houghite), Mica. Old How Farm. Town of Antwerp.
Reference: Nims, 1886

Ilmenite Locality (C). *Minerals:* Fluorapatite, Ilmenite, Microcline. Omar, near Alexandria Bay. Town of Orleans.
Reference: Whitlock, 1903

Ilmenite, Quartz, Omar. 8.4 cm. SCC4782 and photo.

Keene Mine (F, A). *Minerals:* Hematite, Pyrite, Siderite. 4 miles northeast of Antwerp and about 1 mile west of Spragueville. Town of Antwerp.
References: Smock, 1889; Buddington, 1934

Lynes Farm (F). *Minerals:* Chalcopyrite. Old Lynes Farm. Town of Antwerp.
Reference: Nims, 1886

McCrabbie Property (C). *Minerals:* Hornblende (radiating), Pyroxene, Scapolite, Serpentine, Spinel. J. McCrabbie Property (Lot 58), New Connecticut Road. Town of Antwerp.
Reference: Nims, 1886

Millsite Lake (C). *Minerals:* Phlogopite. On island in Millsite Lake, Theresa. Town of Theresa.
Reference: Hough, 1850

Moon Lake Apatite Locality (C). *Minerals:* Fluorapatite. Theresa. Town of Theresa.
Reference: Robinson & Chamberlain, 2007b

Morgan Mine (Pardee Mine) (F, A). *Minerals:* Hematite, Pyrite. Morgan mine (Pardee mine), Town of Antwerp.
Reference: Newland, 1919.

Muscalonge Lake Apatite Locality (C, F). *Minerals:* Apatite, Chalcopyrite, Fluorite, Phlogopite. Southeast bank of Muscalonge Lake. Town of Theresa.
Reference: Whitlock, 1903

Natural Bridge Calcite Occurrence (F). *Minerals:* Calcite (modified white xls). 1 mile north of Natural Bridge. Town of Wilna.
Reference: Whitlock, 1903

Oxbow Goethite Deposit (S, C). *Minerals:* Goethite (bog iron ore), Serpentine. 2 miles southwest of Oxbow. Town of Antwerp.
Reference: Whitlock, 1903

Oxbow Spinel Locality (C). *Minerals:* Mica (plumose), Spinel (light blue octahedrons) in marble. 2.5 miles southwest of Oxbow. Town of Antwerp.
Reference: Beck, 1842

Philadelphia Garnet Locality (C). *Minerals:* Garnet, Hematite. On the Indian River in the village of Philadelphia. Town of Philadelphia.
References: Dana, 1898; Whitlock, 1903

Phlogopite Locality (C). *Minerals:* Phlogopite, Titanite. New Connecticut Road. Town of Oxbow.
Reference: Dana, 1898

Pillar Point Barite Locality (F). *Minerals:* Barite (vein in limestone in Lake Ontario). Old Lee farm, County Rte. 59 near Pillar Point. Town of Brownville.
References: Whitlock, 1903; Robinson & Chamberlain, 2007a,b

Barite. Pillar Point. 15.5 cm. SCC8442 and photo.

Potsdam Galena Locality (F). *Minerals:* Galena. About 0.75 mile north of village in Potsdam sandstone along rail line, north of railroad station. Town of Alexandria.
Reference: Newland, 1919

S. V. Hall Farm (C). *Minerals:* Calcite, Mica, Pyroxene. Old S. V. Hall Farm (Lot 581), County Rte. 28, just north of boundary with Town of Philadelphia, Town of Antwerp.
Reference: Hough, 1850

Somerville Spinel Locality (C). *Minerals:* Chondrodite, Spinel in marble. 0.75 mi. west of Somerville. Town of Antwerp.
*Reference:*Hough, 1850

Vrooman Lake Apatite Locality (C). *Minerals:* Apatite (in marble). Bank of Vrooman Lake (Payne Lake), Town of Antwerp.
Reference: Hough, 1850

Vrooman Lake Vesuvianite Locality (C, F). *Minerals:* Calcite, Chalcopyrite, Fluorite, Phlogopite, Pyrite, Pyroxene, Titanite, Vesuvianite. Vrooman Lake (Payne Lake). Town of Antwerp.
Reference: Whitlock, 1903

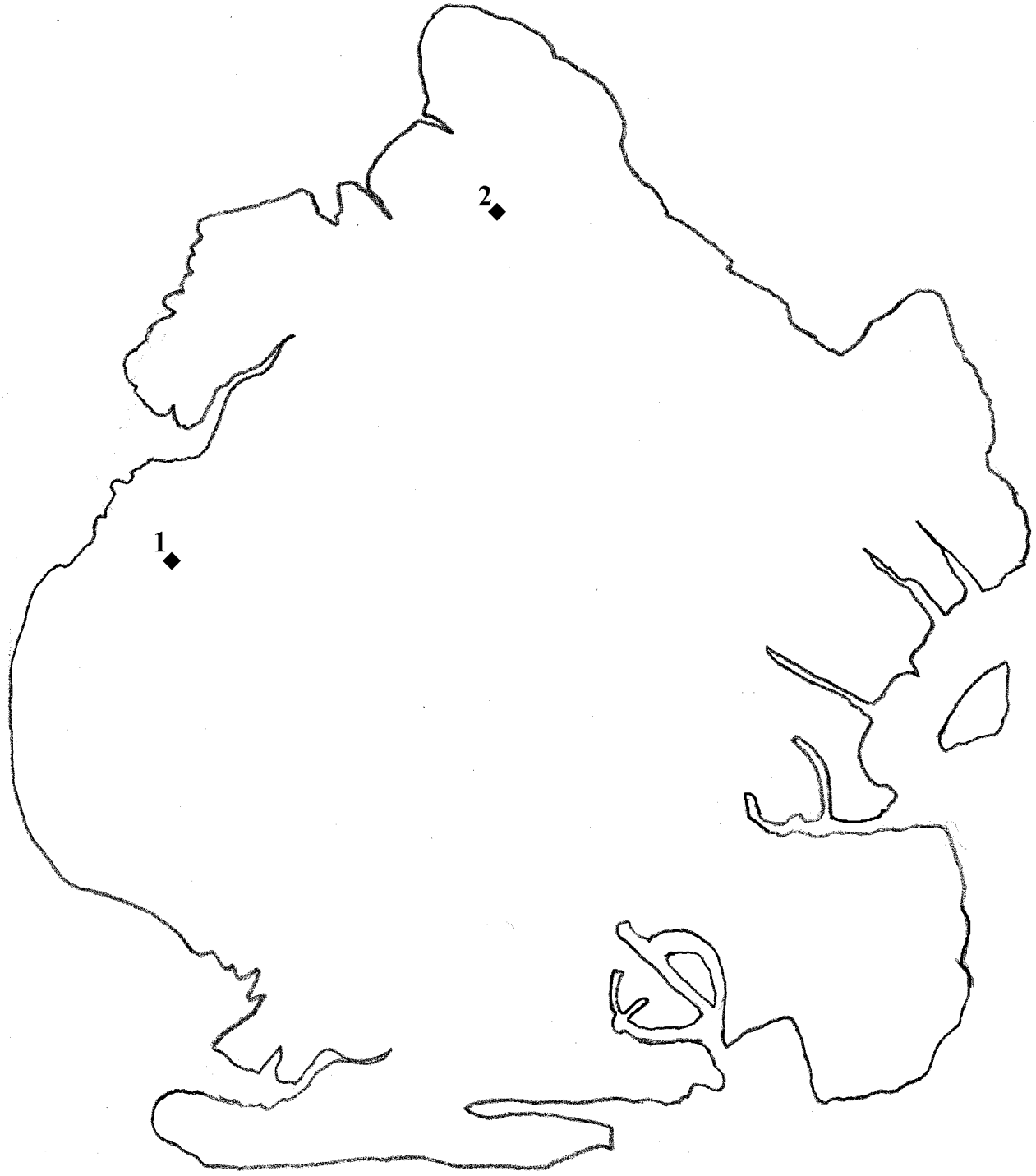
Watertown Celestine Locality (S). *Minerals:* Calcite, Celestine, Tremolite. Watertown. Town of Pamelia.
References: Beck, 1842; Dana, 1898

White Mine (F,A). *Minerals:* Hematite. White farm, between the Dickson and Sterling mines, Antwerp. Town of Antwerp.
Reference: Smock, 1889

Wicks Iron Ore Bed (F). *Minerals:* Aragonite (coralloid), Calcite. Old Wicks Iron Ore Bed, Lot 622. Town of Antwerp.
Reference: Alverson

Yellow Lake Barite Locality (F). *Minerals:* Barite, Calcite. West shore of Yellow Lake. Town of Antwerp.
Reference: Whitlock, 1903

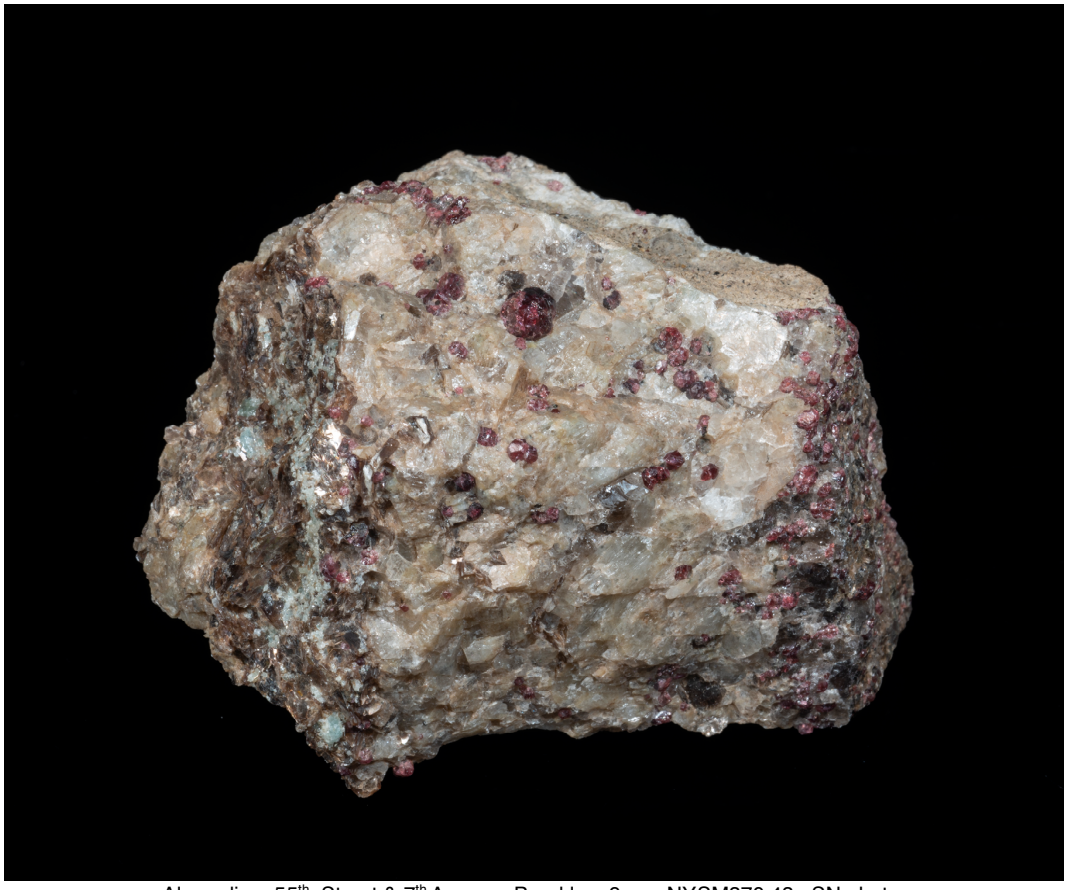
Kings County



NB: Kings County has no designated county seat.

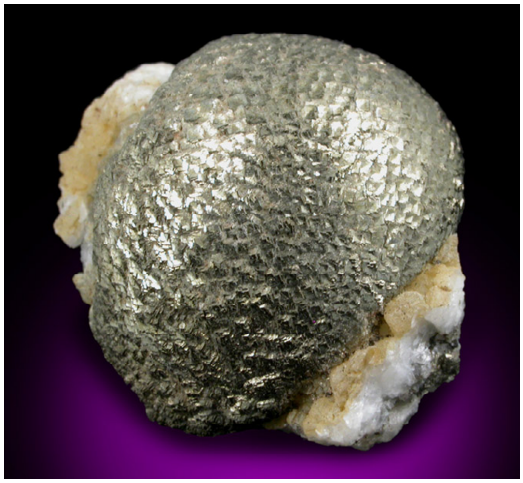
Localities with GPS coordinates (shown on map)

1) Almandine Occurrence (C). *Minerals:* Almandine, Feldspar. 55th and 7th Avenue, Brooklyn.
GPS: (40°38'22"N, 74°00'31"W)
References: Manchester, 1931; <mindat.org>



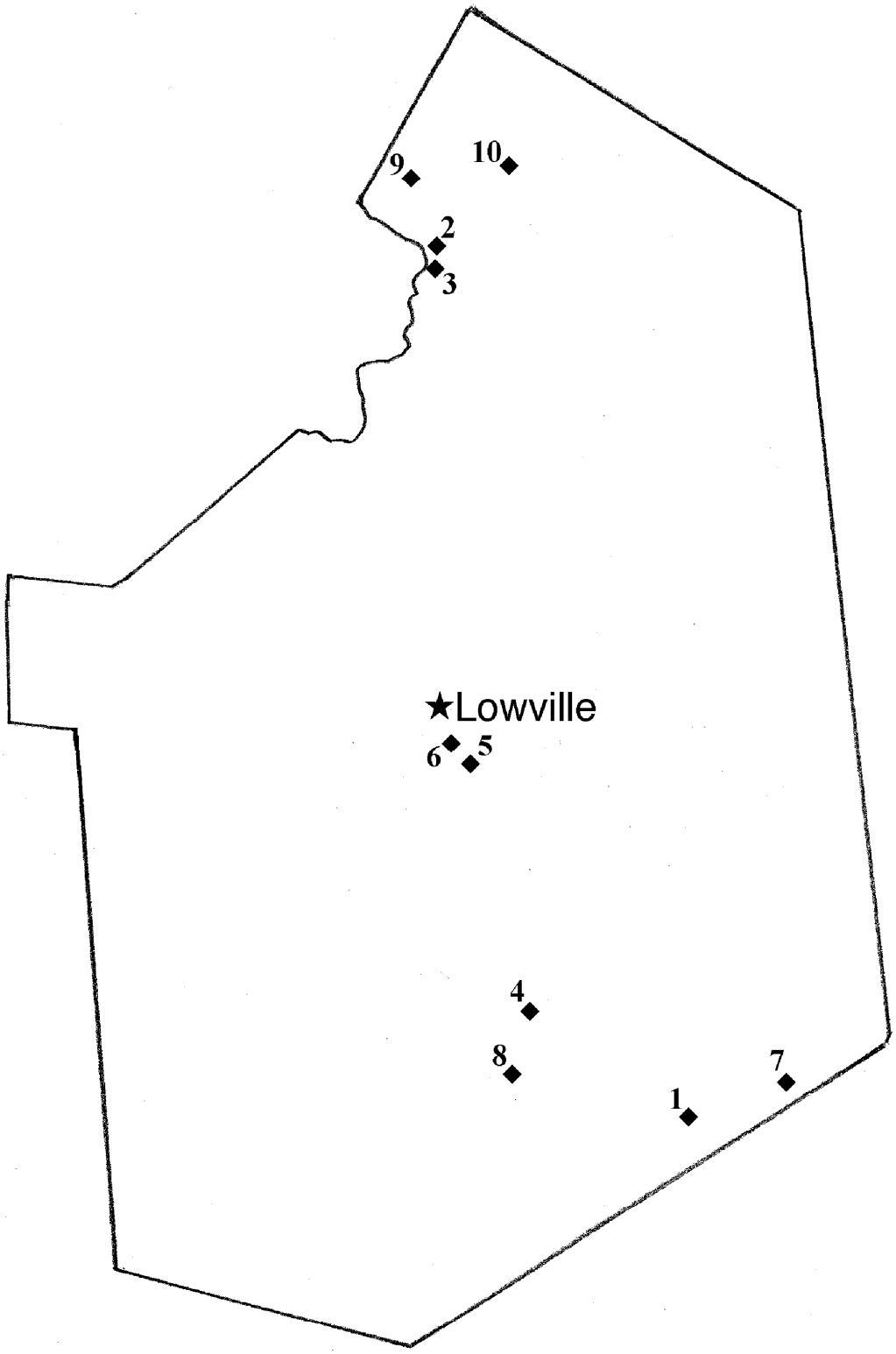
Almandine. 55th Street & 7th Avenue, Brooklyn. 9 cm. NYSM370.43. SN photo.

2) Shaft 19B (F). *Minerals:* Pyrite. Shaft 19B, Water Tunnel #3 at Grand Avenue and Page Place, Brooklyn.
GPS: (40°43'04"N, 73°55'05"W)
Reference: Betts, 2009



Pyrite. Shaft 19B, Water Tunnel #3, Brooklyn. 18 mm. JB photo,

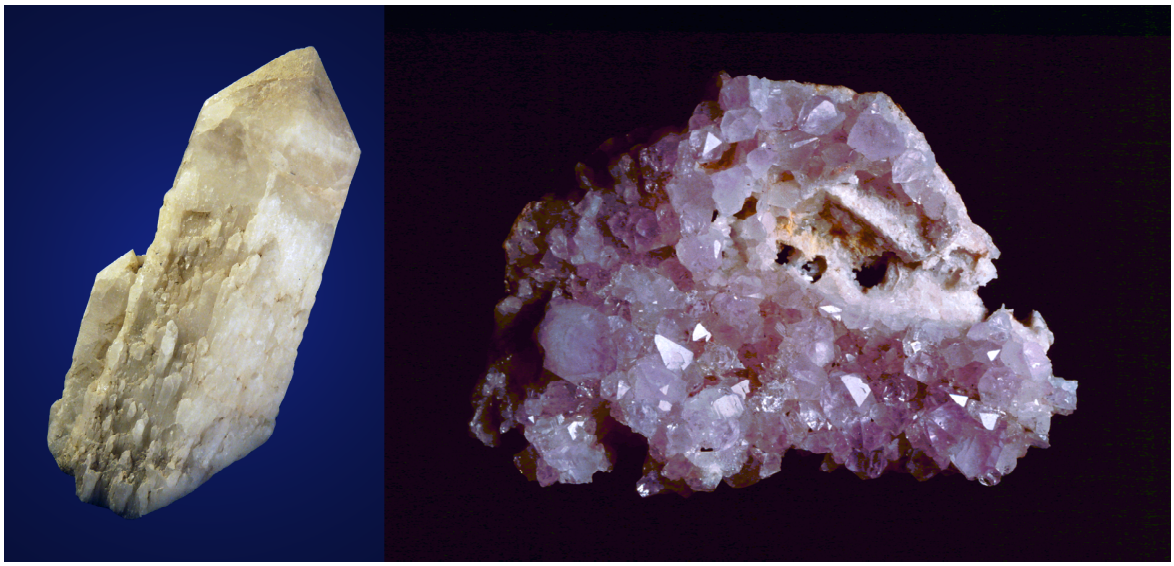
Lewis County



Localities with GPS coordinates (shown on map)

1) Box Quartz Locality (F). *Minerals:* Garnet, Quartz (box molds after calcite). Silver mine, Port Leyden. Town of Lyonsdale.
GPS: (43°33'06"N, 75°18'11"W)
Reference: Robinson & Chamberlain, 2007b

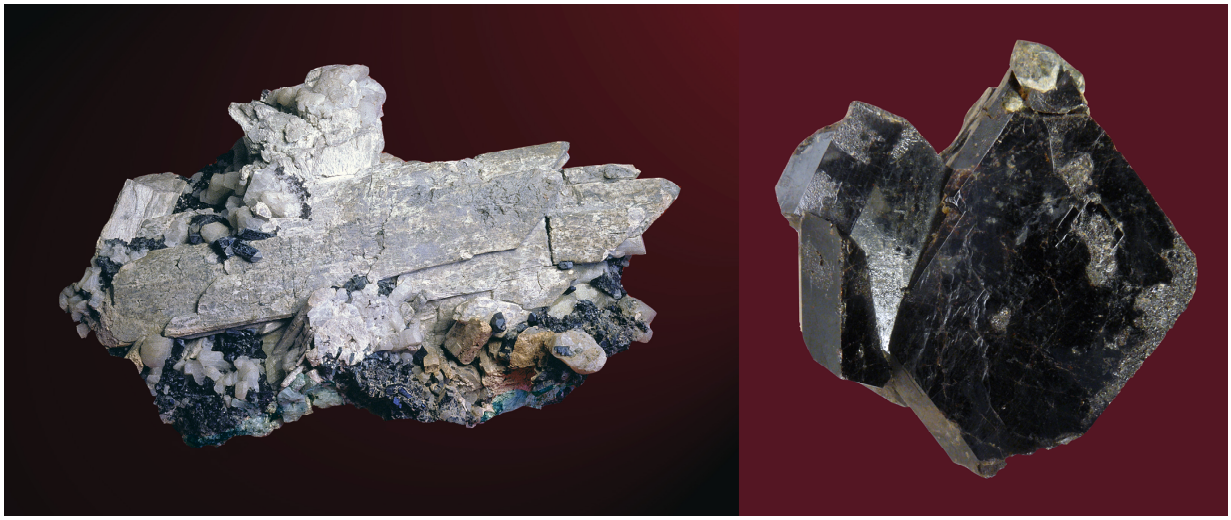
2) Carbola Mine Property (C, F). *Minerals:* Chalcopyrite, Quartz (amethyst and milky), Serpentine, Talc. Carbola mine and surrounding property, Natural Bridge. Town of Diana.
GPS: (44°04'42"N, 75°28'11"W)
References: Robinson & Alverson, 1971; Robinson & Chamberlain, 2007b



(L) Quartz. Carbola Mine Property. 10.3 cm. SCC9315 and photo.
(R) Amethyst. Carbola Mine Property. 6.5 cm. SCC15033 and photo.

3) Farr Property (Old Ashmore Farm) (C). *Minerals:* Calcite, Diopside, Ferro-actinolite, Fluorapatite, Hedenbergite, Hematite, Meionite (Nuttalite), Microcline, Quartz, Serpentine, Talc, Titanite, Wollastonite, Zircon. Southeast of Rte. 3, north of Natural Bridge. Town of Diana.
GPS: (44°04'25"N, 75°28'22"W)
References: Smyth, 1897; Whitlock, 1903; Chamberlain et al., 1987; Robinson & Chamberlain, 2007b; Chamberlain & Robinson, 2013

(L) Zircon. Farr Property. 3 cm. NYSM18925. SCC photo.
(C) Meionite, Diopside. Farr Property. 6 cm. SCC1372 and photo.
(R) Ferro-actinolite, Diopside. Farr Property. 5 cm. SCC2566 and photo.



(L) Wollastonite, Diopside. Farr Property. 30 cm. NYSM. SCC photo.
(R) Titanite. Farr Property. 7 cm. Harvard100862. SCC photo.

4) Lyons Falls Pegmatite (C). *Minerals:* Fergusonite, Samarskite-(Y). Lyons Falls. Town of Lyonsdale.
GPS: (43°38'15"N, 75°21'57"W)
Reference: Unpublished

5) Martinsburg Lead Mines (F). *Minerals:* Calcite, Fluorite, Galena, Pyrite, Sphalerite, Wad. 0.75 miles northwest of Martinsburg. Town of Martinsburg.
GPS: (43°44'N, 75°28'W)
References: Dana, 1898; Whitlock, 1903; Newland, 1919; Robinson & Chamberlain, 2007b

6) Mill Creek (F). *Minerals:* Calcite, Fluorite, Marcasite. Lowville. Town of Lowville.
GPS: (near 43°47'02"N, 75°29'49"W)
Reference: Robinson & Chamberlain, 2007b

7) Moose River Occurrence (C). *Minerals:* Cordierite, Prismatine, Quartz, Rutile. Lyonsdale, Town of Lyonsdale.
GPS: (43°36'40"N, 75°10'18"W)
References: Darling et al., 2004; Robinson & Chamberlain, 2007b; Bailey et al., 2019

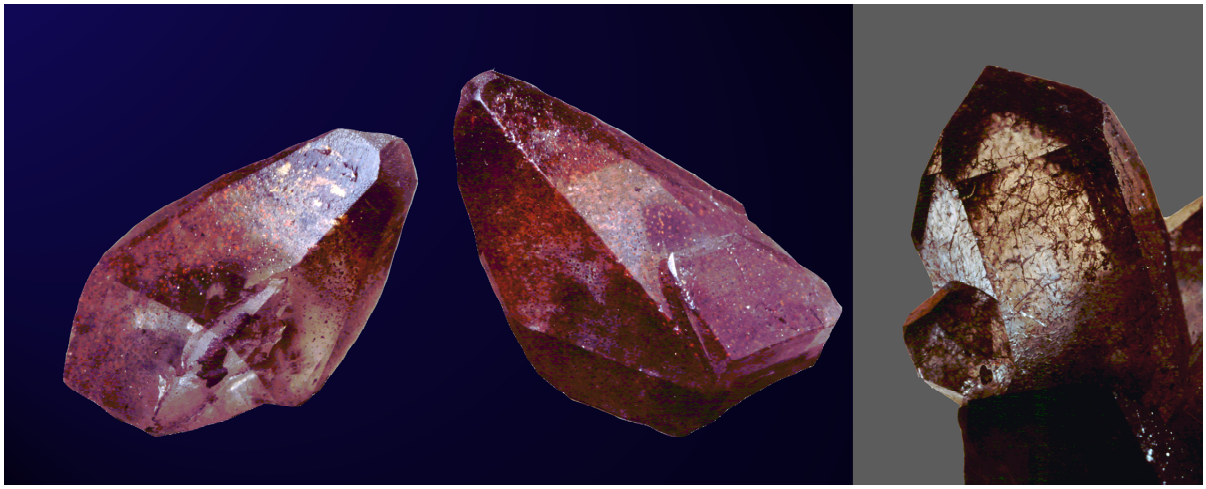
8) Port Leyden Iron Mine (C). *Minerals:* Apatite (Nelsonite), Ilmenite, Sillimanite. Port Leyden iron mine, Port Leyden. Town of Leyden.
GPS: (43°35'06"N, 75°20'28"W)
Reference: Robinson & Chamberlain, 2007b

9) Sterlingbush Quarry (F). *Minerals:* Calcite. Sterlingbush Quarry (Quarry Pond), Fort Drum. Town of Diana.
GPS: (44°06'43"N, 75°29'43"W)
References: Robinson & Alverson, 1971; Robinson & Chamberlain, 2007b

Calcite. Sterlingbush Quarry. 8.4 cm. SCC6393 and photo.

10) Valentine Property (C, F). *Minerals:* Albite, Babingtonite, Brewsterite-Ba, Calcite, Datolite, Epidote, Graphite, Microcline, Orientite, Prehnite, Quartz, Ranciéite, Talc, Wollastonite. Gouverneur Talc Company No. 4 mine, Harrisville. Town of Diana. GPS: (44°07'22"N, 75°22'42"W)
References: Whitlock, 1903; Robinson & Grice, 1993; Chamberlain et al., 1999; Robinson & Chamberlain, 2007a,b; Jaszczak et al., 2009; Bailey et al., 2019

(L) Quartz. Valentine Property. 15 cm. DS210. SCC photo.
(R) Hematite on Quartz. Valentine Property. 3 cm. SCC specimen and photo.

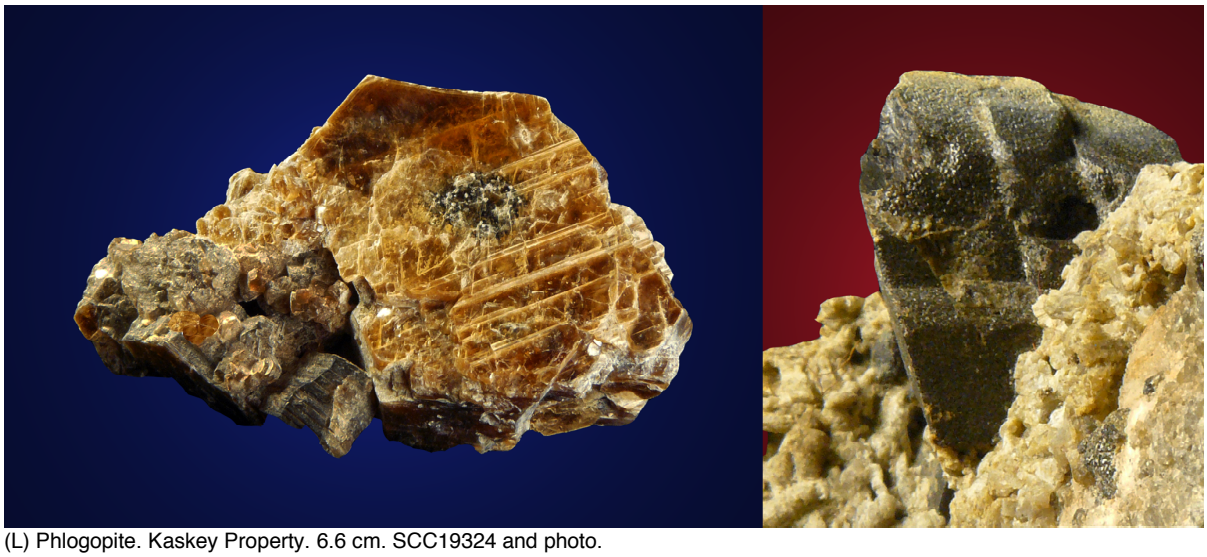


(L) Hematite in Calcite. Vatentine Property. 4 cm xl. SCC specimen and photo.
(R) Hematite in Quartz. Valentine Property. 3 cm. SCC specimen and photo.

Localities without GPS coordinates (not shown on map)

Hooper Farm (C). *Minerals:* Feldspar, Pyroxene, Scapolite, Talc ps. Wollastonite. Old Hooper Farm, southeast shore of Lake Bonaparte. Town of Diana.
Reference: Nims, 1886

Kaskey Property (C). *Minerals:* Calcite, Diopside, Phlogopite, Titanite. Charles Kaskey Property. Town of Diana.
Reference: Unpublished



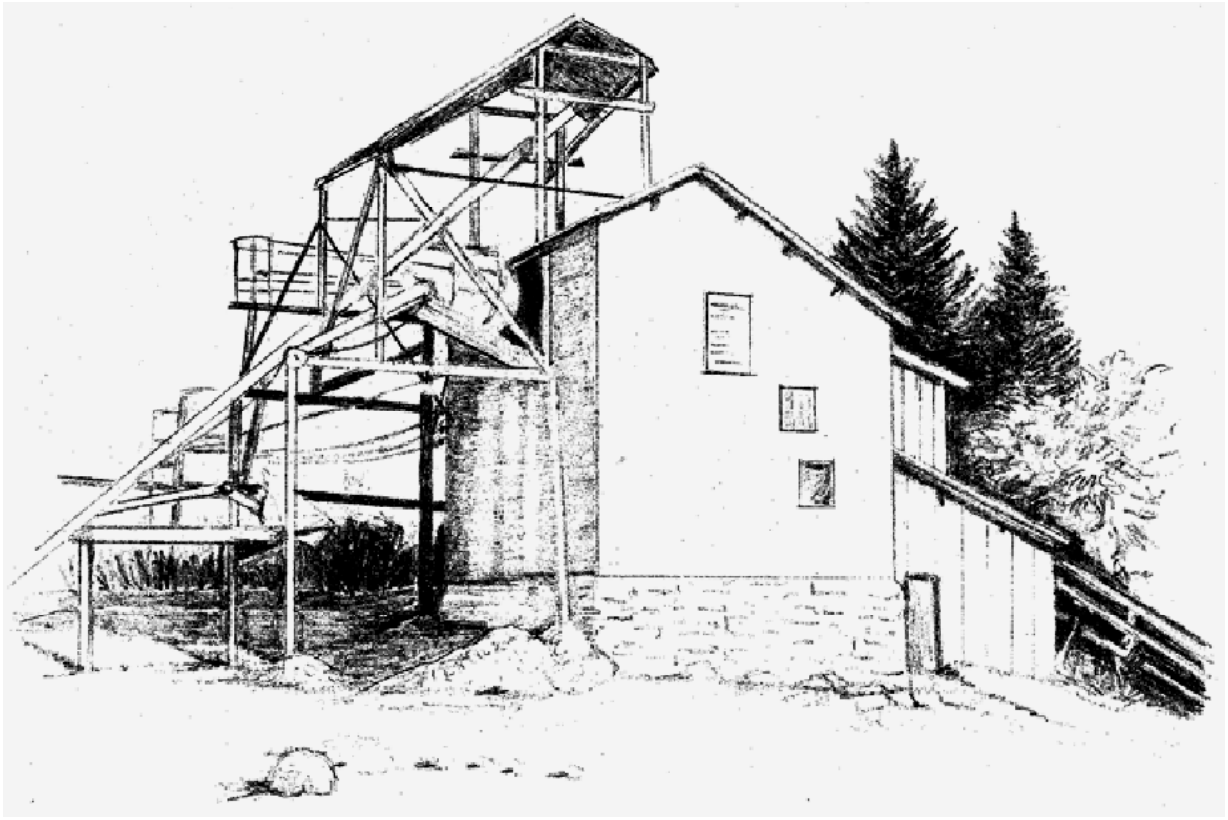
(L) Phlogopite. Kaskey Property. 6.6 cm. SCC19324 and photo.
(R) Titanite. Kaskey Property. 3.2-cm xl. SCC26243 and photo.

Lowville (F). *Minerals:* Calcite, Fluorite, Galena, Pyrite, Sphalerite. Lowville. Town of Lowville.
Reference: Dana, 1898

Lowville Quartz Locality (S). *Minerals:* Calcite, Dolomite, Pyrite, Quartz. Undisclosed locality in Beekmantown Dolostone near Lowville. Town of Lowville.
Reference: Walter, 2014

(L) Quartz, Calcite. Near Lowville. 4.5 cm MW photo.
(R) Quartz, Calcite. Near Lowville. 4 cm. MM & AN photo.

Magnetite Locality (C). *Minerals:* Magnetite, Pyrite. Town of Grieg.
References: Dana, 1898; Whitlock, 1903



Carbola Mine. SR

Livingston County

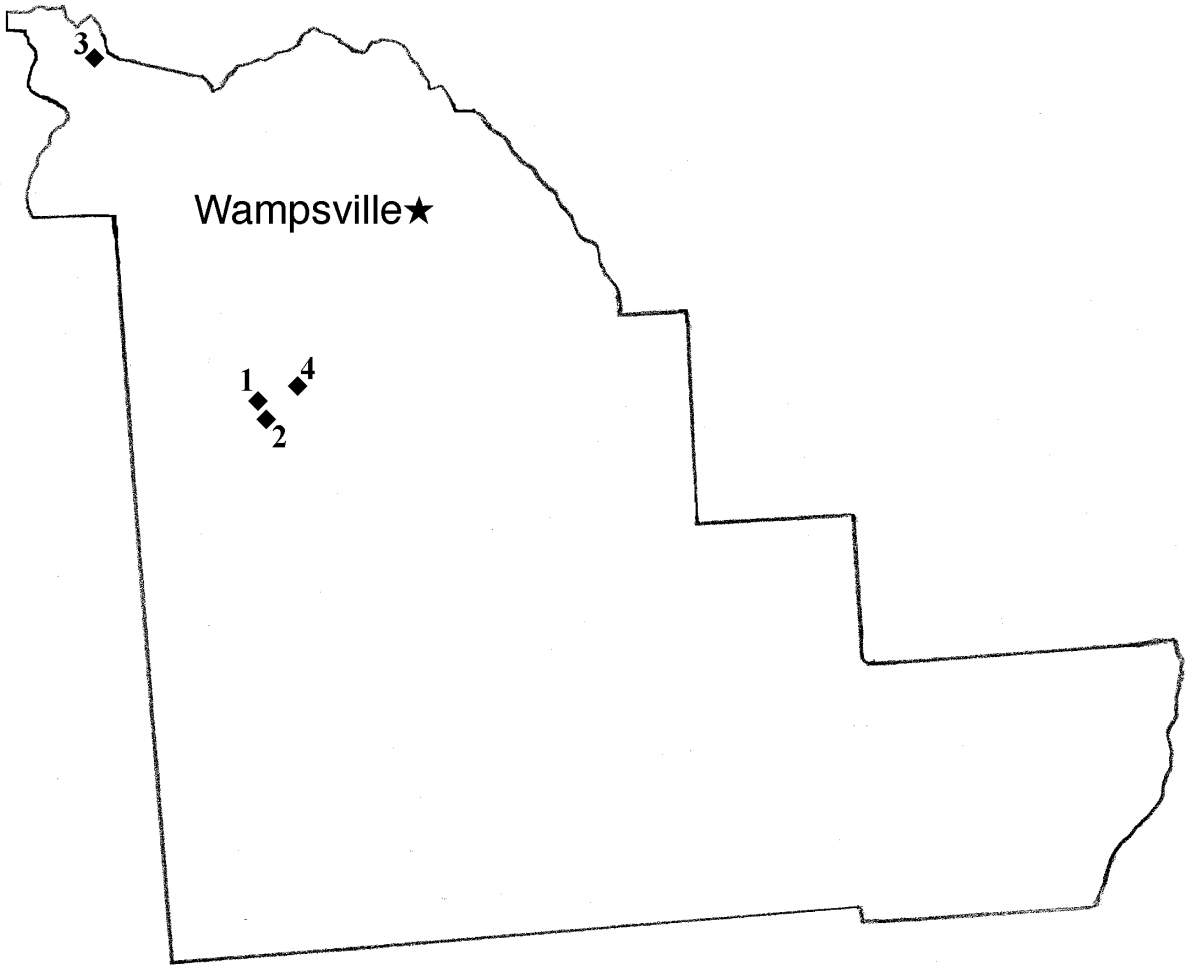
Localities with GPS coordinates (shown on map)

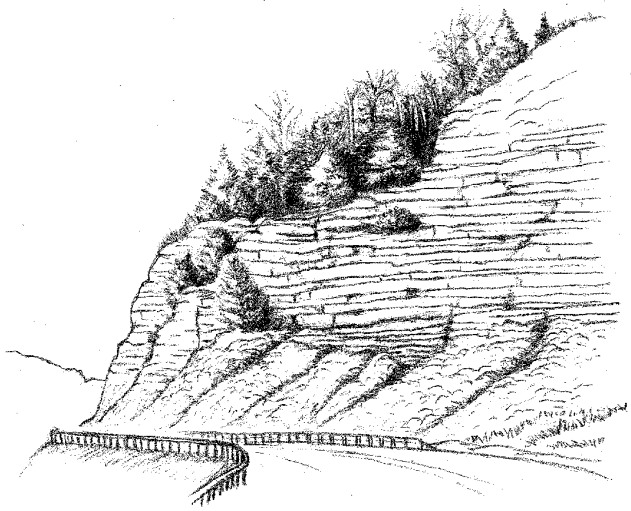
1) Retsof Salt Mine (S) *Minerals:* Halite, Sylvite. Retsof.
GPS: (42°50'00"N, 77°52'30"W)
Reference: Robinson & Chamberlain, 2007b

Halite. Retsof Salt Mine. 23 cm. SCC specimen and photo.

2) Mount Morris Meteorite, Olivine-Bronzite Chondrite (E) found August 1897. *Minerals:* Enstatite (Bronzite), Olivine.
GPS:(42°42'N, 77°53'W)
Reference: Robinson & Chamberlain, 2007b

Madison County

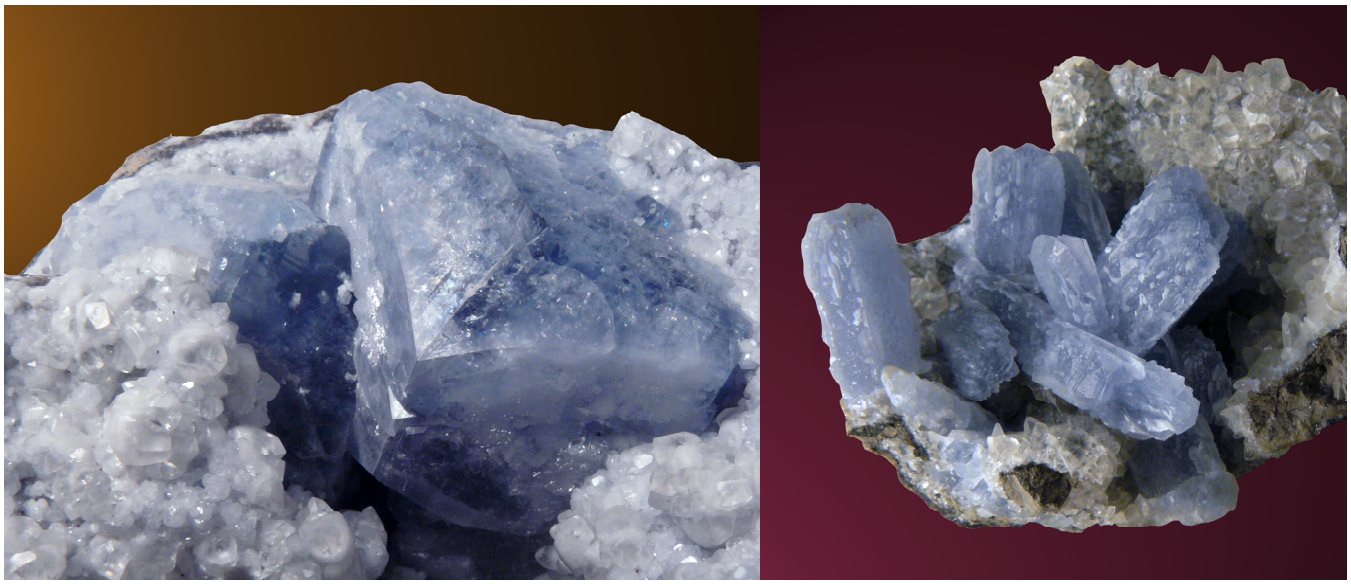




Chittenango Falls Road Cut. SR

Localities with GPS coordinates (shown on map)

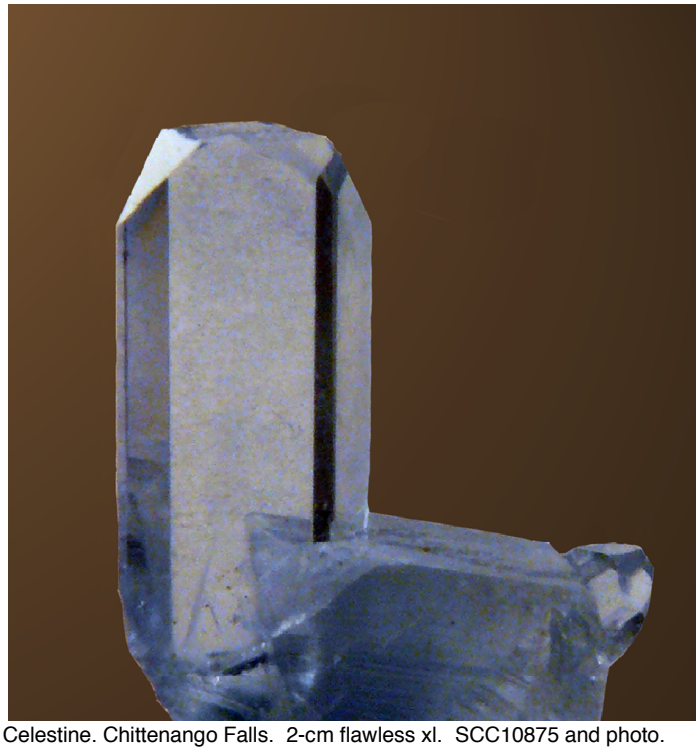
1) Chittenango Falls Road Cut (S). *Minerals:* Barite, Calcite, Celestine, Strontianite. Exposures along east side of NYS Rte. 13, north of Chittenango Falls, Town of Fenner.
GPS: (43°0'0"N, 75°50'59"W)
References: Robinson & Chamberlain, 2007a,b; Chamberlain & Robinson, 2013



(L) Celestine, Calcite. Chittenango Falls Road Cut. 5-cm xl. SCC12031 and photo.
(R) Celestine, Calcite. Chittenango Falls Road Cut. 7.3 cm. SCC6356 and photo.

Celestine, Calcite. Chittenango Falls. 6.7 cm. SCC6356 and photo.

Celestine, Calcite. Chittenango Falls. 7 cm. SCC4049 and photo



Celestine. Chittenango Falls. 2-cm flawless xl. SCC10875 and photo.

2) Oscar Olson Farm (Empire Buffalo farm), Celestine Locality (S). *Minerals.* Calcite, Celestine. Town of Fenner.
GPS: (42°59'16"N, 75°50'37"W)
Reference: Unpublished

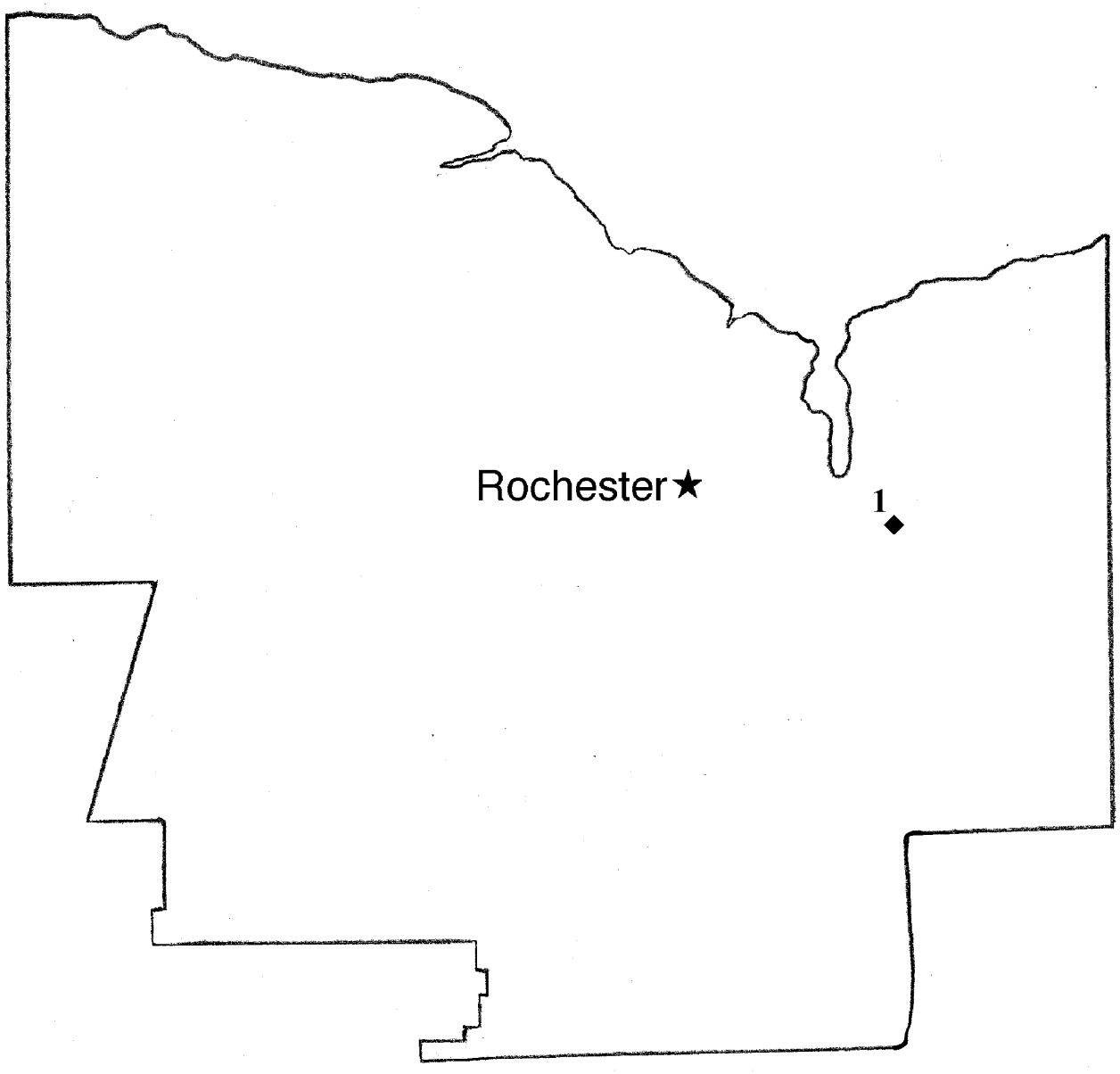
3) South Shore of Oneida Lake (S). *Minerals:* Barite, Chalcopyrite, Dolomite, Goethite, Hematite, Pyrite, Quartz. Exposures of Lockport Dolostone on south shore of Oneida Lake, 4 km east on Briggs Bay, Bridgeport. Town of Sullivan.
GPS: (43°09'44"N, 75°55'37"W)
References: Dossert & Chamberlain, 1989; Robinson & Chamberlain, 2007b

Barite, Quartz. South Shore of Oneida Lake. 5 cm. SCC38271 and photo.

4) Warthone Quarry (S). *Minerals:* Calcite, Quartz. Warthone Quarry, Quarry Road, northwest of Perryville. Town of Lincoln.
GPS: (43°01'07"N, 75°48'31"W)
Reference: Chamberlain, 2016

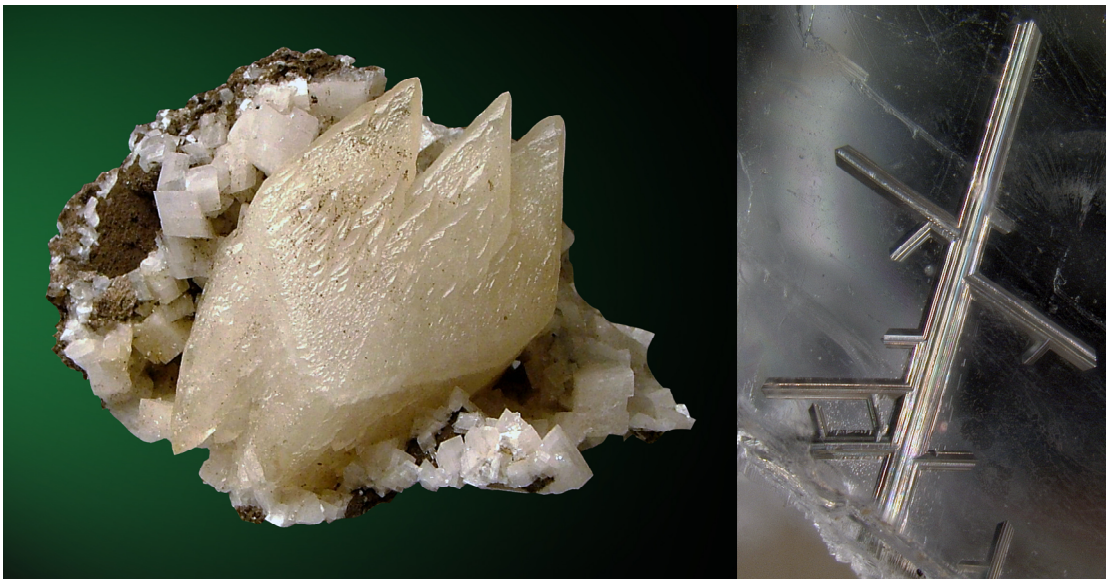
Quartz, Calcite. Warthone Quarry. 5.8 cm. SCC6841 and photo.

Monroe County

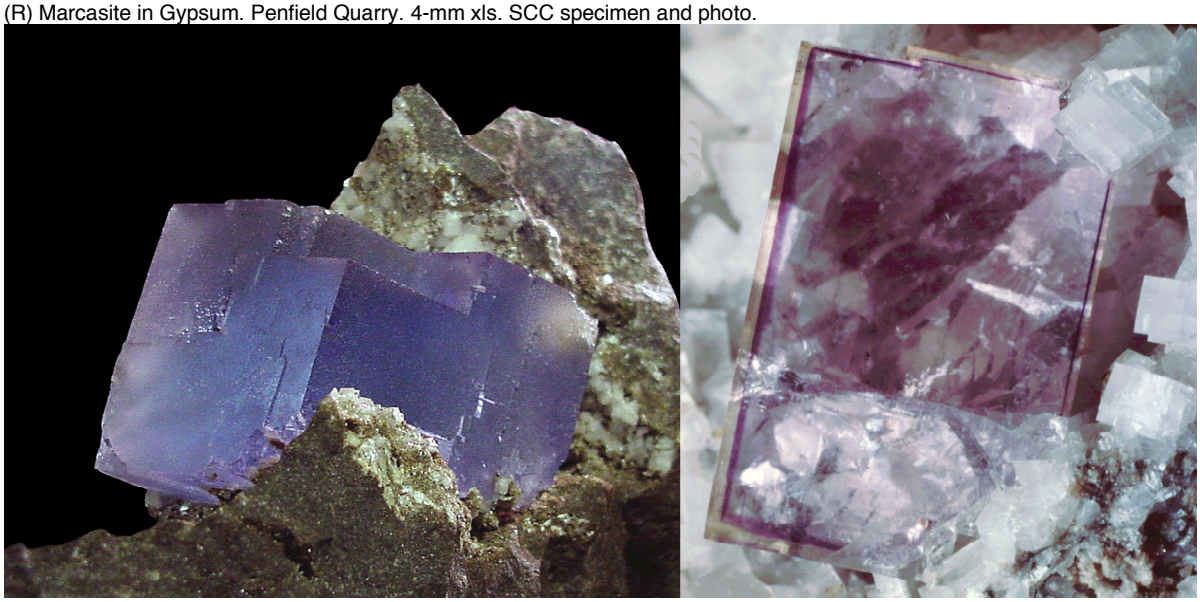


Localities with GPS coordinates (shown on map)

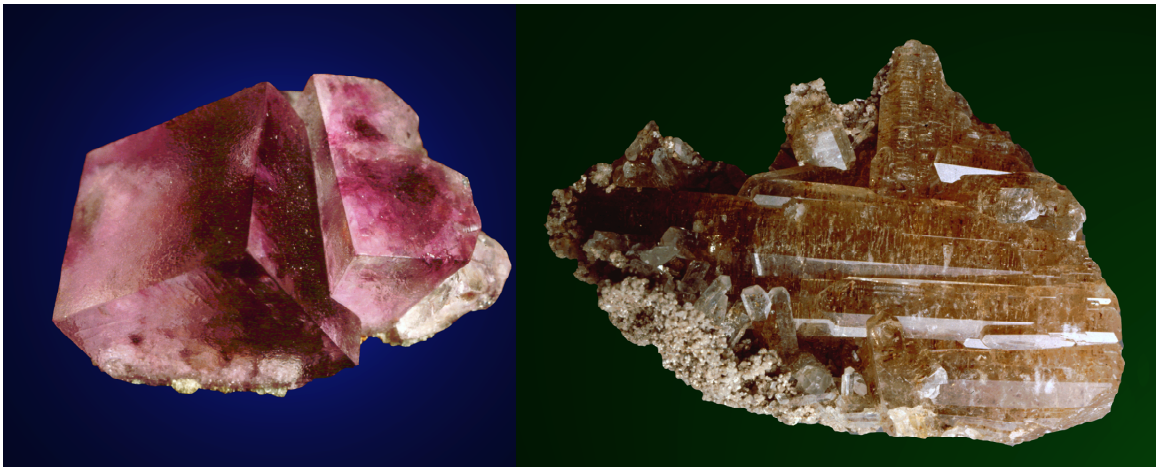
1) Penfield Quarry (S). *Minerals:* Calcite, Celestine, Dolomite, Fluorite, Gypsum, Marcasite, Pyrite, Sphalerite, Sulfur. Penfield. Town of Penfield.
GPS: (43°08'44"N, 77°28'49"W)
References: Robinson & Chamberlain, 2007a,b



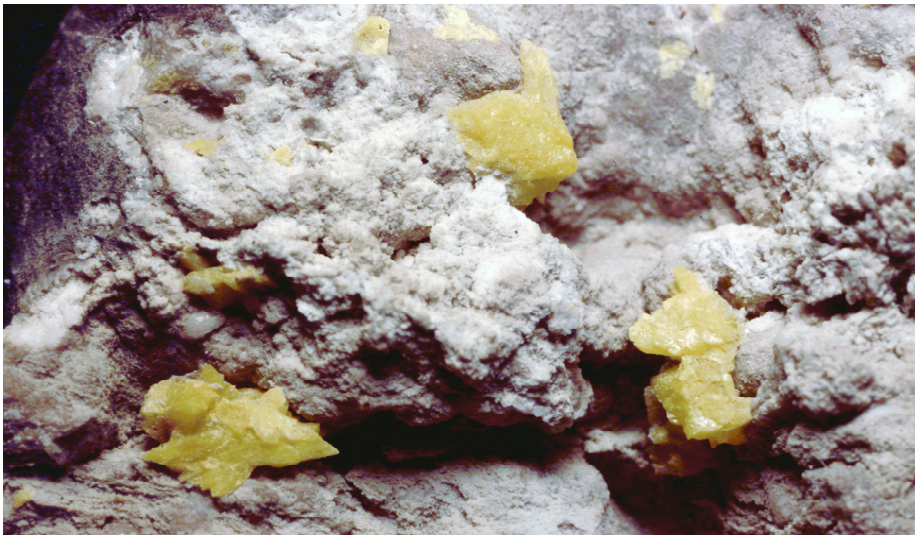
(L) Calcite, Dolomite. Penfield Quarry. 8 cm. SCC15450. MW photo.
(R) Marcasite in Gypsum. Penfield Quarry. 4-mm xls. SCC specimen and photo.



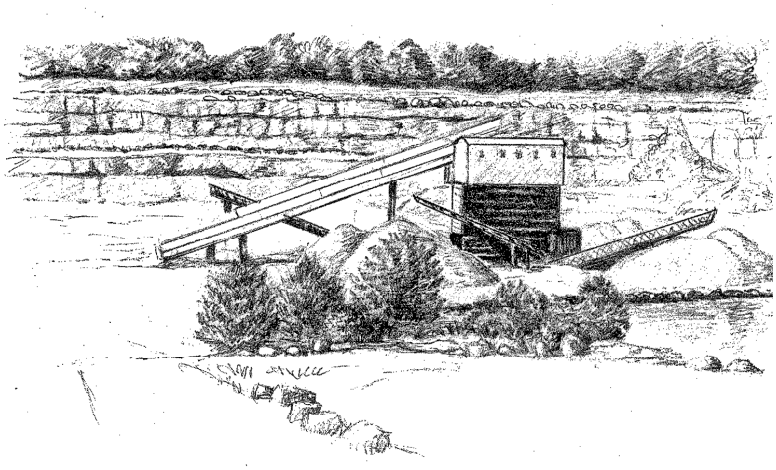
(L) Fluorite. Penfield Quarry. 5-cm xl. NYSM specimen. GBG photo.
(R) Fluorite, Dolomite. Penfield Quarry. 3-cm xl. SCC specimen and photo.



(L) Fluorite. Penfield Quarry. 4.5 cm. SCC15715 and photo.
(R) Celestine. Penfield Quarry. 9.5 cm. SCC8103 and photo.



Sulfur. Penfield Quarry. 4-cm fov. NYSM specimen. SCC photo.



Processing Plant on floor of Penfield Quarry. SR

Localities without GPS coordinates (not shown on map)

Chili Street Excavation (S). *Minerals:* Calcite, Dolomite, Sphalerite. Chili. Town of Chili.
Reference: Unpublished

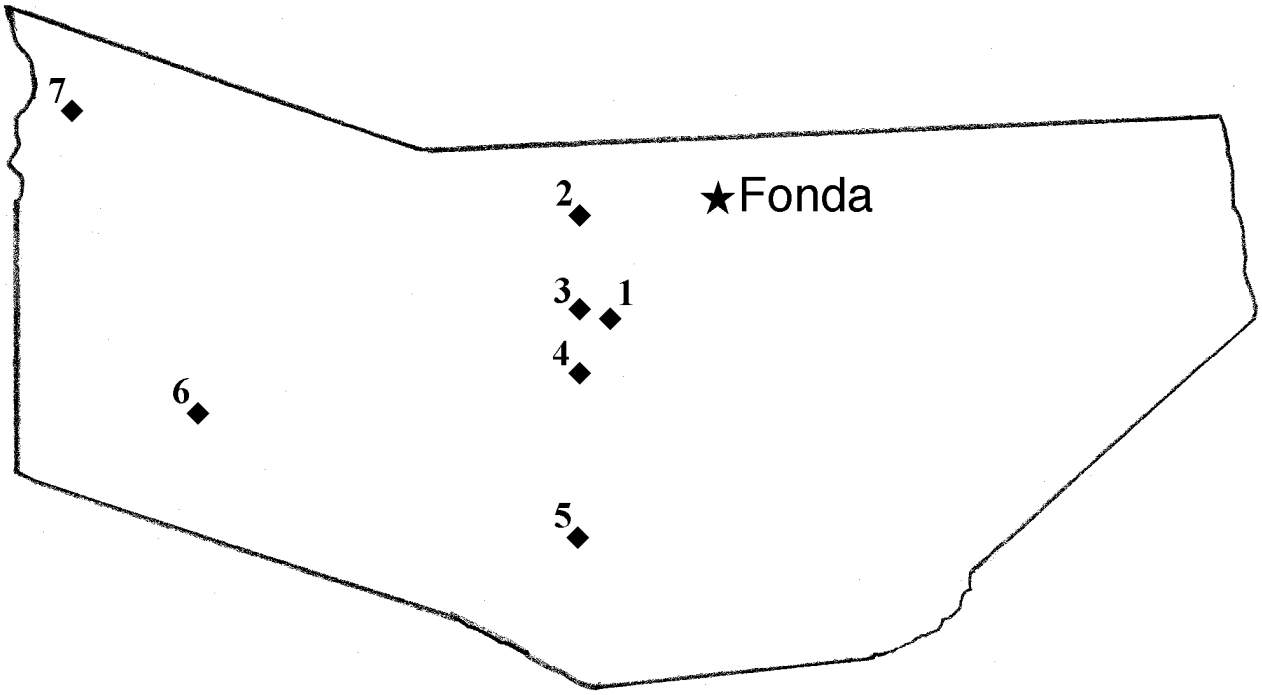
Sphalerite, Dolomite. Street Excavation in Chili. 4-cm xl. SCC specimen and photo.

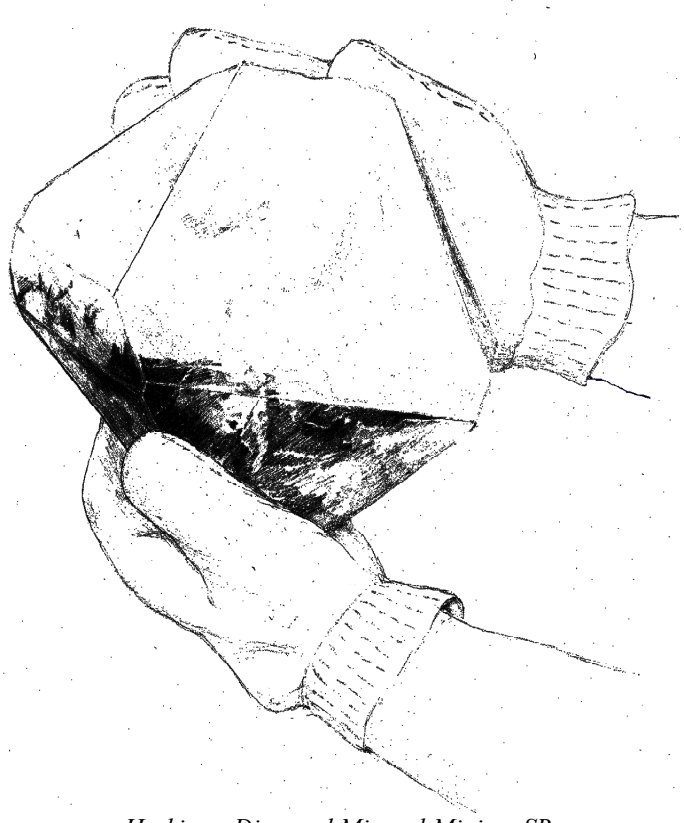
Gorge of the Genesee River (S). *Minerals:* Hematite (Clinton ore). Town of Rochester.
Reference: Whitlock, 1903

Pike's Quarry (S). *Minerals:* Barite, Calcite, Celestine, Dolomite, Fluorite, Galena, Gypsum, Sphalerite. Town of Rochester.
Reference: Whitlock, 1903

Rochester Area (S). *Minerals:* Barite, Calcite, Celestine, Dolomite, Fluorite, Galena, Gypsum, Quartz (hornstone), Sphalerite. Rochester. Town of Monroe.
Reference: Dana, 1898

Montgomery County





Herkimer Diamond Mineral Mining. SR

Localities with GPS coordinates (shown on map)

1) Big Nose (S, B). *Minerals:* Anthraxolite, Quartz. Eastern Flank of Big Nose, west of Yosts. Town of Mohawk.
GPS: (42°55'18"N, 74°27'18"W)
Reference: Unpublished

Quartz. Eastern Flank of Big Nose. 4.2 cm. SCC14986 and photo.

2) Diamond Acres (S, B). *Minerals:* Anthraxolite, Calcite, Dolomite, Quartz. Fonda. Town of Mohawk.
GPS: (42°57'48"N, 74°28'37"W)
References: Robinson & Chamberlain, 2007a,b; Walter, 2014

(L) Quartz. Diamond Acres, Fonda. 2.3 cm. JB81635 and photo.
(R) Quartz. Diamond Acres, Fonda. 4.3 cm. SCC6397 and photo.

(L) Quartz Button. Diamond Acres, Fonda. 2 cm. JS photo.
(R) Quartz. Diamond Acres, Fonda. 15.9 cm. SCC14205 and photo.

3) Hickory Hill (S, B). *Minerals:* Anthraxolite, Calcite, Dolomite, Quartz. Near Fonda. Town of Mohawk.
GPS: (42°56'33"N, 74°28'13"W)
References: Robinson & Chamberlain, 2007b; Walter, 2014

4) Hunt Farm (S). *Minerals:* Anthraxolite, Dolomite, Quartz. Sprakers. Town of Root
GPS: (42°53'39"N, 74°28'39"W)
Reference: Unpublished

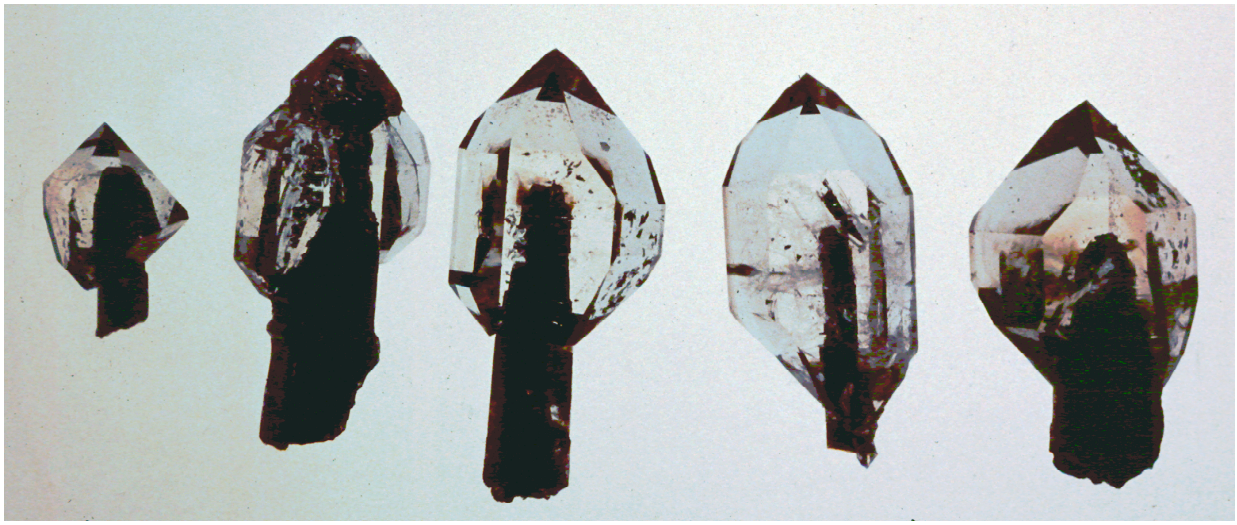
Quartz. Hunt Farm, Sprakers. 8.3 cm. SCC24629 and photo.

5) Lasher Creek Meteorite (E). *Minerals:* Iron. Found 1948, Sprakers. Town of Root.
GPS: (42°50'N. 74°30'W)
Reference: Buchwald, 1975

6) Mohawk Valley Mineral Mining (S). *Minerals:* Anthraxolite, Quartz (large crystals and skeletals). Sprakers. Town of Root.
GPS: (42°52'52"N, 74°39'38"W)
Reference: Unpublished

(L) Quartz. Mohawk Valley Mineral Mining. 21 cm. Herk God specimen and photo.
(R) Quartz (skeletal). Mohawk Valley Mineral Mining. 30 cm. MVMM specimen. JC photo.

7) St. Johnsville (Talarico) Quarry (S, B). *Minerals:* Anthraxolite, Calcite, Dolomite, Marcasite, Pyrite, Quartz (black-stemmed scepters). West of St. Johnsville. Town of St. Johnsville.
GPS: (42°59'58"N, 74°41'25"W)
References: Hladysz et al., 1997; Robinson & Chamberlain, 2007b; Chamberlain, 2014b; Walter, 2014



Quartz (assorted black-stemmed scepters). St. Johnsville Quarry. 2.5 cm (largest) BVH specimens. SCC photo.

(L) Quartz (black-stemmed scepter). St. Johnsville Quarry. 4 cm. SCC specimen and photo.
(C) Calcite, Quartz. St. Johnsville Quarry. 5.4 cm. MM & AN specimen and photo.
(R) Calcite, Dolomite. St. Johnsville Quarry. 5 cm. MM & AN specimen and photo.

Localities without GPS coordinates (not on map)

Cushing Stone Quarry (S). *Minerals:* Barite, Calcite, Pyrite, Sphalerite, Witherite. Amsterdam. Town of Amsterdam.
Reference: Robinson & Chamberlain, 2007b

Galena/Sphalerite Occurence (F). *Minerals:* Barite, Calcite, Galena, Pyrite, Quartz (drusy), Sphalerite. 2 miles south of Sprakers Basin. Town of Root.
References: Beck, 1842; Dana, 1898; Newland, 1919; Whitlock, 1903

Calcite, Sphalerite. Sprakers Basin. 11.2 cm SCC12816 and photo.

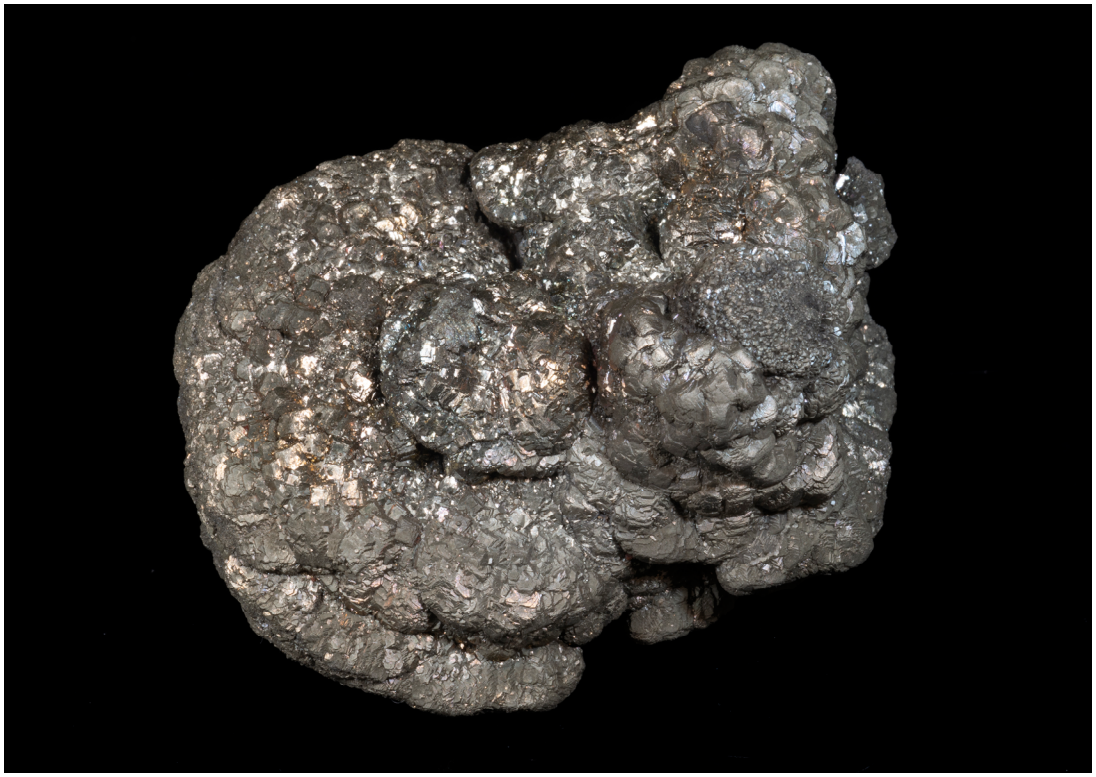
Rutile Occurrence (S). *Minerals:* Rutile. Near Sprakers Basin. Town of Root.
Reference: Whitlock, 1903

Quartz Occurrence (S). *Minerals:* Anthraxolite, Garnet, Quartz, (Agate, Crystals and Druse, Hornstone). Stone Arabia. Town of Palatine.
References: Dana, 1898; Whitlock, 1903

Nassau County

Localities with GPS coordinates (shown on map)

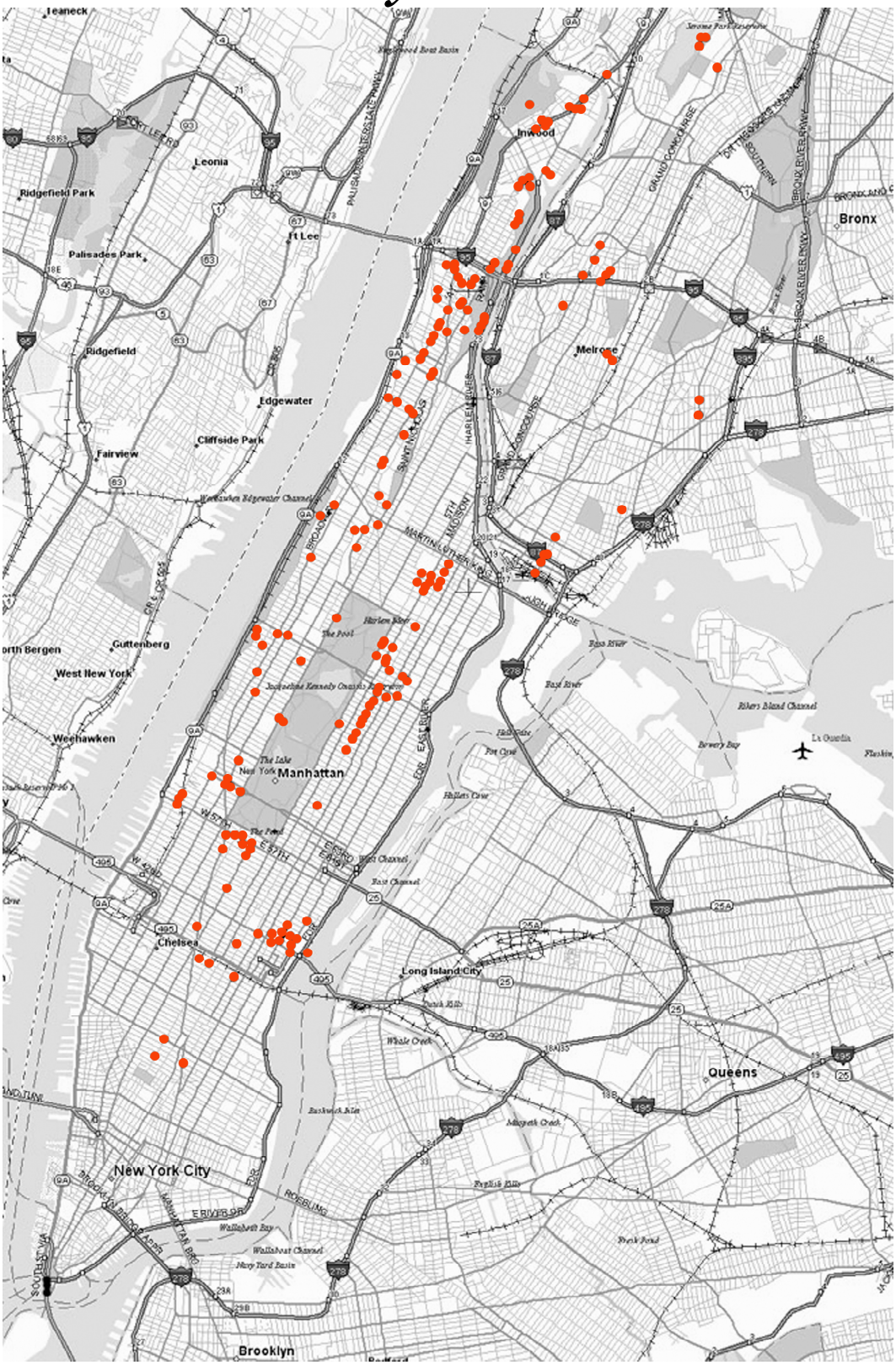
1) Pyrite Locality (S, B). *Minerals:* Goethite, Hematite, Pyrite. Hempstead Harbor, Glen Cove. Town of Glen Cove.
GPS: (40°51'44"N, 73°38'03")
References: Manchester, 1931



Pyrite. Hempstead Harbor, Glen Cove. 7 cm. NYSM15486. SN photo.

2) Marcasite Locality (S, B). *Minerals:* (nodules in lignite beds). Glen Cove, Long Island. Town of Glen Cove.
GPS: (40°51'26"N, 73°39'06"W)
Reference: Graves, 1966; Robinson & Chamberlain, 2007b

New York County



Mineral Localities in New York County (red dots). Adapted from NYMC map.

NB: New York County has no designated county seat.

Localities with specific street numbers

16th Street and Fort Washington Avenue (C). *Minerals:* Albite (Peristerite).
Reference: Betts, 2009

33rd Street, (material later dumped at Sheepshead Bay in Brooklyn), 1908 (C). *Minerals:* Almandine.
Reference: Betts, 2009

34th Street and East River, Kip's Bay Quarry (C). *Minerals:* Fluorapatite, Heulandite, Muscovite, Pyrite, Stilbite.
References: Whitlock, 1903; Betts, 2009

West 35th Street between Broadway and 7th Avenue, 1885 (C). *Minerals:* Almandine (Subway Garnet), Quartz.
Reference: Betts, 2009

Almandine (Subway Garnet). West 35th Street between Broadway and 7th Avenue (1885) 15 cm. AMNH specimen. JB photo.

38th Street, Corlaer's Hook, western shore of East River (C). *Minerals:* Enstatite, Epidote, Orthoclase (in granite).
References: Whitlock, 1903; Betts, 2009

42nd Street and 4th Avenue (F). *Minerals:* Dolomite, Siderite.
Reference: Whitlock, 1903

42nd - 51st Streets between 4th and 5th Avenues (C). *Minerals:* Kyanite (in hornblende schist).
References: Whitlock, 1903; Betts, 2009

43rd - 44th Street and 1st - 3rd Avenue (C). *Minerals:* Albite (Oligoclase), Beryl, Calcite, Garnet, Molybdenite, Muscovite, Quartz, Tourmaline.
Reference: Whitlock, 1903

43rd Street , Gneiss Quarries in east midtown (F). *Minerals:* Harmotome (cruciform twins).
Reference: Betts, 2009

43rd Street and 1st Avenue (C). *Minerals:* Orthoclase.
Reference: Betts, 2009

45th Street and First Avenue (F). *Minerals:* Chabazite, Stilbite.
Reference: Betts, 2009

45th Street and Second Avenue (F). *Minerals:* Chabazite.
Reference: Betts, 2009

45th Street between 1st and 2nd Avenues (F). *Minerals:* Stilbite.
Reference: Betts, 2009

49th Street and 1st Avenue (C). *Minerals:* Beryl (in hornblende schist).
Reference: Whitlock, 1903

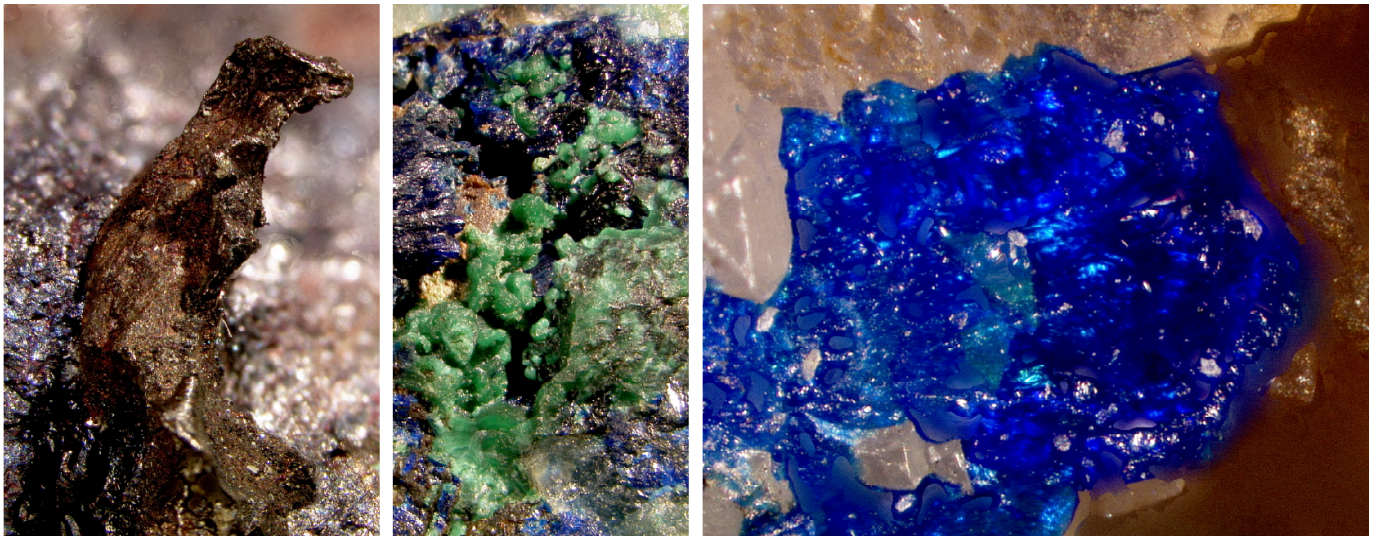
49th Street and Madison Avenue (C). *Minerals:* Kyanite.
Reference: Betts, 2009

53rd - 54th Streets, Subway Excavation (C). *Minerals:* Fluorite (green).
Reference: Betts, 2009

54th Street at Avenue of the Americas (F). *Minerals:* Calcite.
Reference: Betts, 2009

54th - 62nd Street and 10th Avenue to Hudson River (C). *Minerals:* Amphibole (hydrous anthophyllite), Serpentine (in mica schist).
Reference: Whitlock, 1903

55th Street (C, A). *Minerals:* Azurite, Copper, Cuprite, Malachite.
Reference: Betts, 2009



(L) Copper. 55th Street. 2.5-mm wire. NYSM18066. SCC photo.
(C) Malachite, Azurite. 55th Street. 4-mm fov. NYSM18066. SCC photo.
(R) Azurite, Quartz. 55th Street. 0.65-mm xl. NYSM18066. SCC photo.

55th - 56th Streets and 1st to 3rd Avenues (C). *Minerals:* Siderite (sphaerosiderite in mica schist).
Reference: Whitlock, 1903

West 55th Street (C). *Minerals:* Epidote, Feldspar (salmon-colored).
Reference: Betts, 2009

56th Street and Avenue of the Americas, 1888 (C). *Minerals:* Almandine.
Reference: Betts, 2009

56th Street and Broadway (C). *Minerals:* Albite, Allanite-(Ce), Ilmenite, Quartz.
Reference: Betts, 2009

Ilmenite, Quartz. 56th and Broadway. 7 cm. Staten Island Museum #M1183a. JB photo

59th Street and 11th Avenue (C). *Minerals:* Anthophyllite.
Reference: Betts, 2009

59th Street between Avenue of the Americas and 7th Avenue (C). *Minerals:* Epidote.
Reference: Betts, 2009

63rd Street subway excavation (C, F). *Minerals:* Albite, Chabazite, Clinochlore (Ripidolite), Quartz.
Reference: Betts, 2009

Chabazite. Subway excavation. 6-mm xls. NYSM18065. JB photo.

64th Street and 10th Avenue (C,F). *Minerals:* Pyrite (in mica schist), Stilbite.
Reference: Whitlock, 1903

65th Street where it crosses Columbus Avenue and Broadway, 1888 (C). *Minerals:* Almandine, Beryl, Muscovite, Orthoclase, Quartz (smoky).
References: Whitlock, 1903; Betts, 2009

69th - 70th Street and 2nd Avenue (C). *Minerals:* Garnet, Ilmentite (in mica schist).
Reference: Whitlock, 1903

80th Street at Park Avenue (C). *Minerals:* Bournonite.
Reference: Betts, 2009

80th - 96th Streets; Expansion of the New York and Harlem Railroad under Park Avenue (F). *Minerals:* Heulandite-Ca.
Reference: Betts, 2009

85th - 86th Streets and 9th - 10th Avenues (C). *Minerals:* Albite, Muscovite, Siderite (in schist).
Reference: Whitlock, 1903

88th Street east of Amsterdam Avenue, 1893, (C). *Minerals:* Albite, Chrysoberyl, Quartz (smoky).
Reference: Betts, 2009

(L) Chrysoberyl (twin), Quartz. 88th Street east of Amsterdam Avenue 1893. 22-mm xl. NYMC691. JB photo.
(R) Reverse view of same specimen.

92nd Street and Park Avenue (F). *Minerals:* Chabazite, Galena, Harmotome.
Reference: Betts, 2009

92nd - 96th Streets and Park Avenue during expansion of the New York and Harlem Railroad, 1871 (F). *Minerals:* Clinochlore, Harmotome, Stilbite.
Reference: Betts, 2009

92nd Street (C). *Minerals:* Epidote, Albite.
Reference: Betts, 2009

Epidote, Albite. 92nd Street. 6-cm fov. NYMC160. JB phot0.

93rd Street in Riverside Park (C). *Minerals:* Chrysoberyl, Quartz.
Reference: Betts, 2009

Chrysoberyl, Quartz. 93rd Street in Riverside Park (1901). 16-mm xls. NYMC specimen. JB photo.

95th - 105th Street and 3rd - Lexington Avenue (C, F). *Minerals:* Albite, Datolite, Garnet, Ilmenite, Stilbite (in mica schist).
Reference: Whitlock, 1903

96th Street at Park Avenue (F). *Minerals:* Stilbite.
Reference: Betts, 2009

96th Street and 8th Avenue (C). *Minerals:* Almandine, Epidote.
Reference: Betts, 2009

96th Street and Park Avenue (C). *Minerals:* Orthoclase.
Reference: Betts, 2009

96th Street near 3rd Avenue (C). *Minerals:* Albite (overgrowths), Orthoclase.
Reference: Betts, 2009

100th Street and Park Avenue (F). *Minerals:* Chabazite (F).
Reference: Betts, 2009

100th Street and Park Avenue, excavations for the Harlem Railroad Tunnel (F). *Minerals:* Quartz, Schorl.
Reference: Betts, 2009

100th - 101st Streets and 5th Avenue (C, F). *Minerals:* Albite, Chabazite, Clinochlore, Epidote, Ilmenite (in schist).
Reference: Whitlock, 1903

101st Street between Park and 3rd Avenues, 1888 (C). *Minerals:* Kyanite.
Reference: Betts, 2009

102nd Street and 4th Avenue (C). *Minerals:* Garnet, Tourmaline (in mica schist).
Reference: Whitlock, 1903

104th Street at western edge of Central Park (F). *Minerals:* Quartz (colorless).
Reference: Betts, 2009

105th Street and Central Park (F). *Minerals:* Rutile (reticulated on gneiss).
Reference: Betts, 2009

115th - 122nd Street and 4th - 5th Avenue (C). *Minerals:* Albite (Oligoclase), Dumortierite, Quartz, Sillimanite (in pegmatite).
Reference: Whitlock, 1903

118th to 124th Streets, between Park and 5th Avenues (C). *Minerals:* Dumortierite, Quartz.
Reference: Betts, 2009

120th Street, Harlem, 1887 (C). *Minerals:* Dumortierite, Quartz.
Reference: Betts, 2009

120th Street and Hudson river (C). *Minerals:* Staurolite (in mica schist).
Reference: Whitlock, 1903

122nd Street at Morningside Avenue (C). *Minerals:* Chrysoberyl, Orthoclase, Quartz.
Reference: Betts, 2009

122nd Street at Riverside Drive (C). *Minerals:* Fluorapatite.
Reference: Betts, 2009

122nd Street and New York and Harlem Railroad Tunnel (F). *Minerals:* Epidote, Mesolite, Stilbite.
Reference: Beck, 1842

129th Street at Convent Avenue (F). *Minerals:* Stilbite.
Reference: Betts, 2009

134th-135th Streets and Broadway (C). *Minerals:* Epidote, Quartz.
Reference: Betts, 2009

138th Street and 11th Avenue (C). *Minerals:* Epidote (in hornblende schist).
Reference: Whitlock, 1903

145th Street, 1882 (C). *Minerals:* Almandine.
Reference: Betts, 2009

155th Street and 10th Avenue (C). *Minerals:* Garnet, Monazite, Xenotime, Zircon.
Reference: Whitlock, 1903

157th Street near Fort Washington Avenue (C). *Minerals:* Schorl.
Reference: Betts, 2009

158th Street and Broadway (C). *Minerals:* Beryl (aquamarine).
Reference: Betts, 2009

159th Street and 11th Avenue (C). *Minerals:* Beryl.
Reference: Whitlock, 1903

161st Street and Broadway (C). *Minerals:* Orthoclase.
Reference: Betts, 2009

164th Street and St. Nicholas Avenue, 1940 (C). Minerals: Chrysoberyl.
Reference: Betts, 2009

165th Street and Broadway, 1912 (C). *Minerals:* Xenotime-(Y).
Reference: Betts, 2009

Xenotime-(Y). Excavations at 165th Street and Broadway (1912). Largest xl: 1 cm. NYMC651. JB photo.

166th Street (C). *Minerals:* Almandine.
Reference: Betts, 2009

168th Street at the Harlem River (C). *Minerals:* Fluorite (purple), Orthoclase (adularia).
Reference: Betts, 2009

171st Street and Fort Washington Avenue (C). *Minerals:* Almandine, Feldspar, Monazite-(Ce), Muscovite, Quartz. *Reference:* Betts, 2009

Monazite-(Ce). 171st Street and Fort Washington Avenue. 13-mm xl. Harvard1063022. JB photo.

171st Street and Fort Washington Avenue (C). *Minerals:* Muscovite, Quartz, Schorl, Xenotime-(Y).
Reference: Betts, 2009

171st Street and 11th Avenue, Washington Heights (C). *Minerals:* Autunite, Dumortierite, Monazite, Muscovite, Xenotime, Zircon.

Reference: Whitlock, 1903

176th Street and Broadway (C). *Minerals:* Magnetite.
Reference: Betts, 2009

176th Street at 10th Avenue (C). *Minerals:* Quartz (smoky).
Reference: Betts, 2009

Quartz. 176th Street and 10th Avenue. 6 cm. NYSM1354. JB photo.

176th - 178th Streets and 11th Avenue (C). *Minerals:* Almandine, Rutile, Tourmaline.
Reference: Whitlock, 1903

179th Street and Haven Avenue, under the eastern end of the George Washington Bridge (C). *Minerals:* Spessartine.
Reference: Betts, 2009

180th Street and 10th Avenue (C). *Minerals:* Rutile, Serpentine.
Reference: Whitlock, 1903

185th Street at the Harlem River (C). *Minerals:* Beryl, Columbite-(Fe), Quartz
Reference: Betts, 2009

185th Street at the Harlem River (Harlem Speedway, now Harlem River Drive) (C). *Minerals:* Monazite-(Ce), Xenotime-(Y).
Reference: Betts, 2009

190th Street and Amsterdam Avenue (C). *Minerals:* Beryl.
Reference: Betts, 2009

Beryl. 190th Street and Amsterdam Avenue. 9 cm. NYMC specimen. JB photo.

192nd Street and Audubon Avenue, Fort George (C). *Minerals:* Albite (oligoclase), Amphibole, Epidote, Garnet, Malachite, Muscovite, Orthoclase, Quartz, Stilbite, Titanite, Tourmaline, Zircon.
Reference: Whitlock, 1903

200th Street and 10th Avenue (C). *Minerals:* Kyanite (light yellow).
Reference: Whitlock, 1903

207th Street and Broadway (F). *Minerals:* Graphite, Quartz.
Reference: Betts, 2009

215th Street and Broadway (C, F). *Minerals:* Aragonite.
Reference: Betts, 2009

218th Street and Broadway (rock dump) (C). *Minerals:* Dravite-Uvite.
Reference: Betts, 2009

218th Street and Broadway (F). *Minerals:* Quartz, Rutile.
Reference: Betts, 2009

225th Street and Dyckman, Kingsbridge (C). *Minerals:* Dravite (in Inwood Marble).
Reference: Betts, 2009

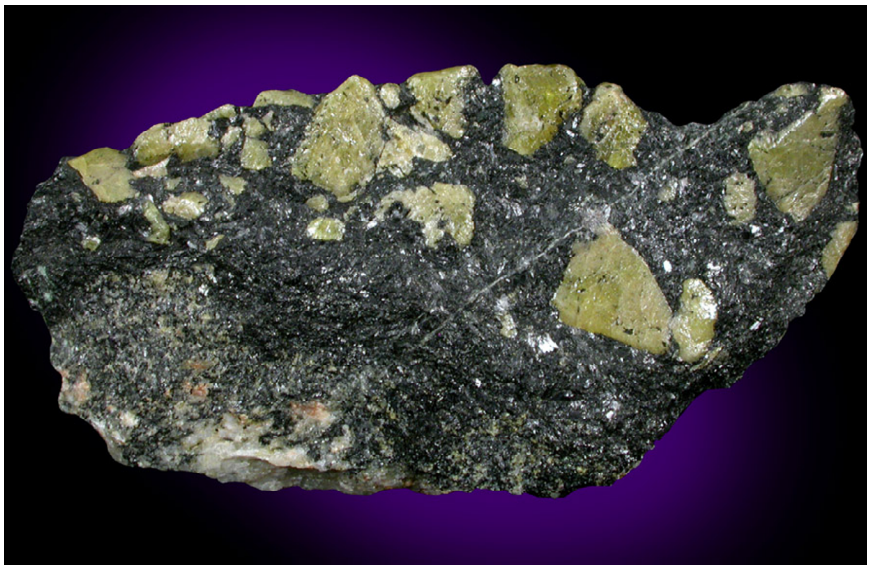
Localities without specific street numbers

4th Avenue tunnel excavations, 1875, (C, F). *Minerals:* Apophyllite, Chabazite, Heulandite, Harmotome, Natrolite, Stilbite (on mica schist).
References: Dana, 1898; Whitlock, 1903

63rd Street subway waste rock, dumped in College Point, Queens (F). Stilbite.
Reference: Betts, 2009

Area south of I-95 (C). *Minerals:* Dumortierite, Quartz.
Reference: Betts, 2009

Base of Fort George escarpment along Harlem Speedway road cuts (C). *Minerals:* Titanite (yellow-green).,
Reference: Betts, 2009



Titanite. Harlem Speedway. 9 cm. S. Nightingale Collection. JB photo.

Brooklyn-Battery Tunnel excavation (C, F). *Minerals:* Allanite-(Ce), Chabazite, Pyrite, Quartz, Schorl, Spessartine. *Reference:* Betts, 2009

Central Park reconstruction of the Harlem Meer (pond) (C). *Minerals:* Quartz, Schorl.
Reference: Betts, 2009

East River, excavation at Hell's Gate (C). *Minerals:* Fluorite (yellow and blue).
Reference: Betts, 2009

Excavations near Empire State Building (C). *Minerals:* Fluorapatite, Quartz (smoky).
Reference: Betts, 2009

Excavations for the Harlem Ship Canal (waste dumped along the western shore of northern Manhattan Island) (C). *Minerals:* Dravite, Calcite.
Reference: Betts, 2009

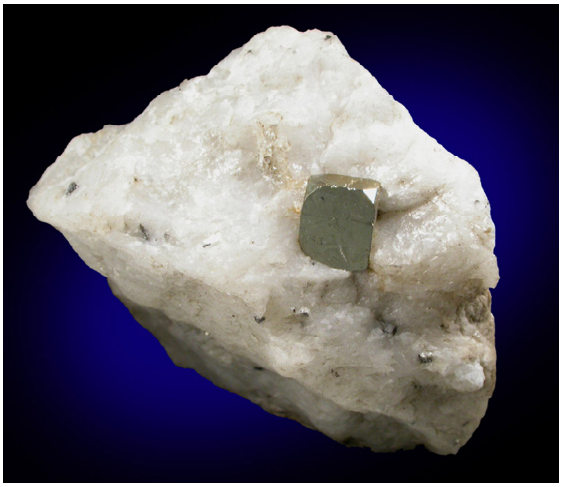
Excavations for 63rd Street subway (C). *Minerals:* Wurtzite-(2H).
Reference: Betts, 2009

Wurtzite-2H. Excavations for the 63rd Street subway. 4-mm xls. NYSM15057. JB photo.

Fort George, Upper Manhattan (C). *Minerals:* Albite, Columbite-(Fe), Epidote, Ilmenite, Microcline, Orthoclase (twins), Quartz, Rutile.
Reference: Betts, 2009

Columbite-(Fe). Fort George, Upper Manhattan. 30-mm xl. NYMC121. JB photo.

Harlem Ship Canal excavation debris at the end of Dyckman Street, upper Manhattan (C). *Minerals:* Pyrite.
Reference: Betts, 2009



Pyrite in Inwood Marble, Dyckman Street. 9-mm xl. NYSM16875. JB photo.

Harlem (F). *Minerals:* Feldspar, Stilbite, Vivianite.
Reference: Beck, 1842

Inwood Marble at Harlem Ship Canal (C). *Minerals:* Pyrrhotite, Quartz (smoky).
Reference: Betts, 2009

Inwood Marble, Kingsbridge (C). *Minerals:* Diopside (Malacolite).
Reference: Betts, 2009

Inwood Marble quarries, Kingsbridge (C). *Minerals:* Titanite.
Reference: Betts, 2009

New York and Harlem Railroad Tunnel under Park Avenue, 1874, (F). *Minerals:* Calcite.
Reference: Betts, 2009

Old Williams Bridge locality where Gunn Hill Road crosses the Bronx River (F). *Minerals:* Chabazite.
Reference: Betts, 2009

Quartz-mica-feldspar veins cutting the Inwood Marble in northern Manhattan (F). *Minerals:* Rutile.
Reference: Betts, 200

South Street excavation, 1970 (material later dumped in the New Jersey Meadowlands) (C). *Minerals:* Almandine, Muscovite.
Reference: Betts, 2009

Subway tunnel between 28th and 30th Streets, 1967, (material later dumped in the New Jersey Meadowlands) (C). *Minerals:* Almandine, Biotite.
Reference: Betts, 2009

Various Excavations in NYC (C, F). *Minerals:* Almandine, Analcime, Anthophyllite, Antigorite, Apophyllite, Harmotome, Monazite-(Ce), Xenotime-(Y), Schorl, Spessartine, Stilbite.
Reference: Betts, 2009

Various Occurrences in NYC (C). *Minerals:* Actinolite, Asbestos, Beryl, Chlorite, Dumortierite, Feldspar, Garnet, Graphite, Hydrous Anthophyllite, Molybdenite, Microcline, Orthoclase (Necronite), Pyroxene, Staurolite, Wollastonite, Xenotime.
Reference: Dana, 1898

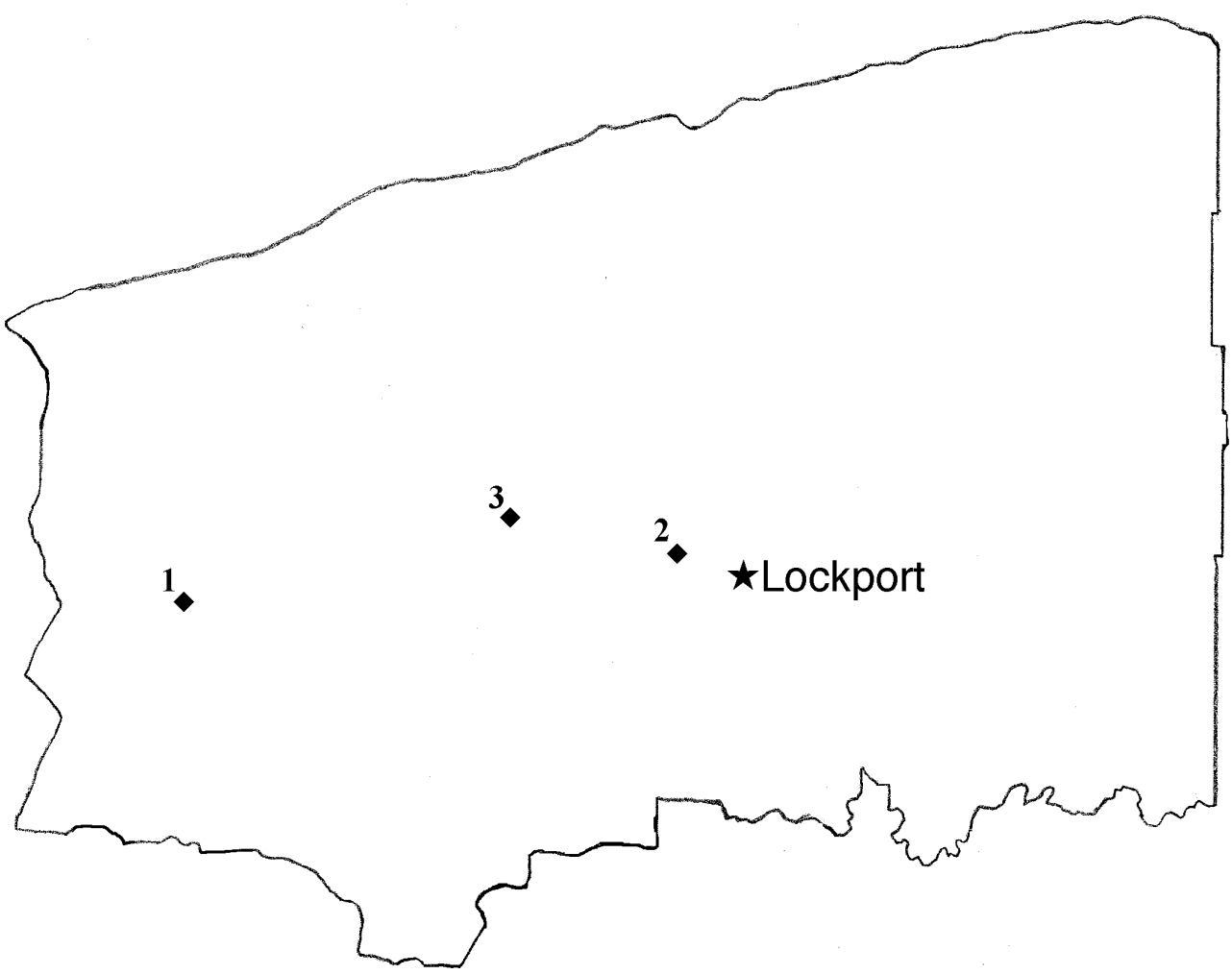
Water Tunnels No. 2 and No. 3 (F). *Minerals:* Fluorapophyllite-(K).
Reference: Betts, 2009

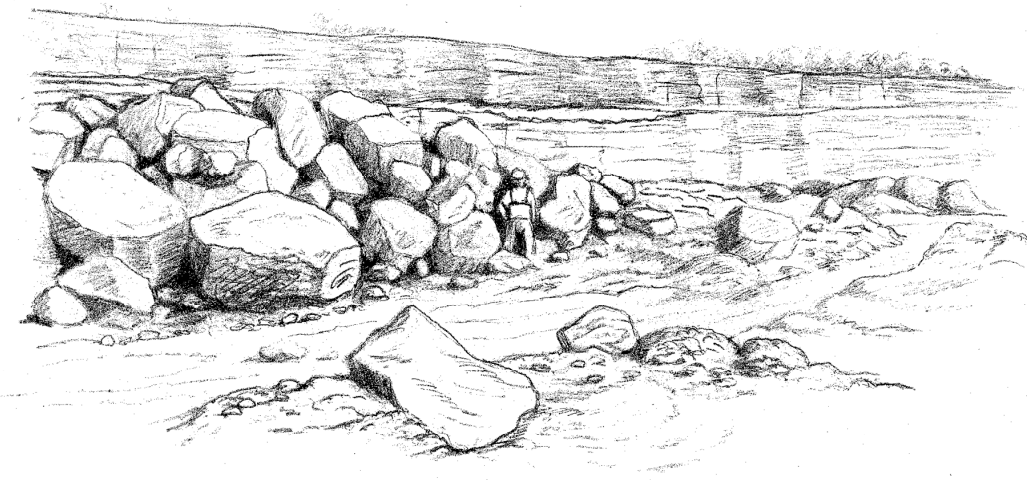
Water Tunnel No. 3 under Roosevelt Island (F). *Minerals:* Apophyllite-(KF), Calcite, Pyrite, Stilbite (red-orange).
Reference: Betts, 2009

(L) Apophyllite-(KF). Water Tunnel #3. 18 mm. NYSM specimen. JB photo.
(R) Stilbite. Water Tunnel #3 under Roosevelt Island. 8 cm. NYSM specimen. JB photo.

Water Tunnel No. 3 excavations, Manhattan (F). *Minerals:* Orthoclase (Adularia), Pyrite.
Reference: Betts, 2009

Niagara County





Redlands Quarry. SR

Localities with GPS coordinates (shown on map)

1) Redlands Quarry (Niagara Falls Quarry) (S). *Minerals:* Calcite, Dolomite, Fluorite, Sphalerite. Niagara Falls. Town of Niagara.
GPS: (43°07'36"N, 78°57'22"W)
Reference: Robinson & Chamberlain, 2007b

Sphalerite, Dolomite. Redlands Quarry. 3 cm. NYSM specimen. GBG photo.

Sphalerite. Redlands Quarry. 9 to 15 mm. JB specimens and photo.

Calcite. Redlands Quarry. 8.5 cm. SCC35041 and photo.

2) Frontier Dolomite Products Quarry (Lockport Quarry) (S). *Minerals:* Anhydrite, Calcite, Dolomite, Gypsum, Marcasite, Pyrite, Quartz, Sphalerite. Lockport. Town of Lockport.
GPS: (43°09'17"N, 78°43'17"W)
Reference: Robinson & Chamberlain, 2007b

(L) Sphalerite. Frontier Dolomite Products Quarry. 1.1 cm. JB45548 and photo.
(R) Gypsum (Selenite). Frontier Dolomite Products Quarry. 4 cm. JB35286 and photo.

Sphalerite, Calcite. Frontier Dolomite Products Quarry. 2.5 cm. JB63450 and photo.

Anhydrite. Frontier Dolomite Products Quarry. 5 cm. JB32969 and photo.

3) Cambria Meteorite, Fine Octahedrite (E) found 1818. *Minerals:* Iron (Kamacite), Schreibersite, Transjordanite, Troilite. Lockport. Town of Lockport.
GPS: (43°12'N, 78°48'W)
Reference: Robinson & Chamberlain, 2007b

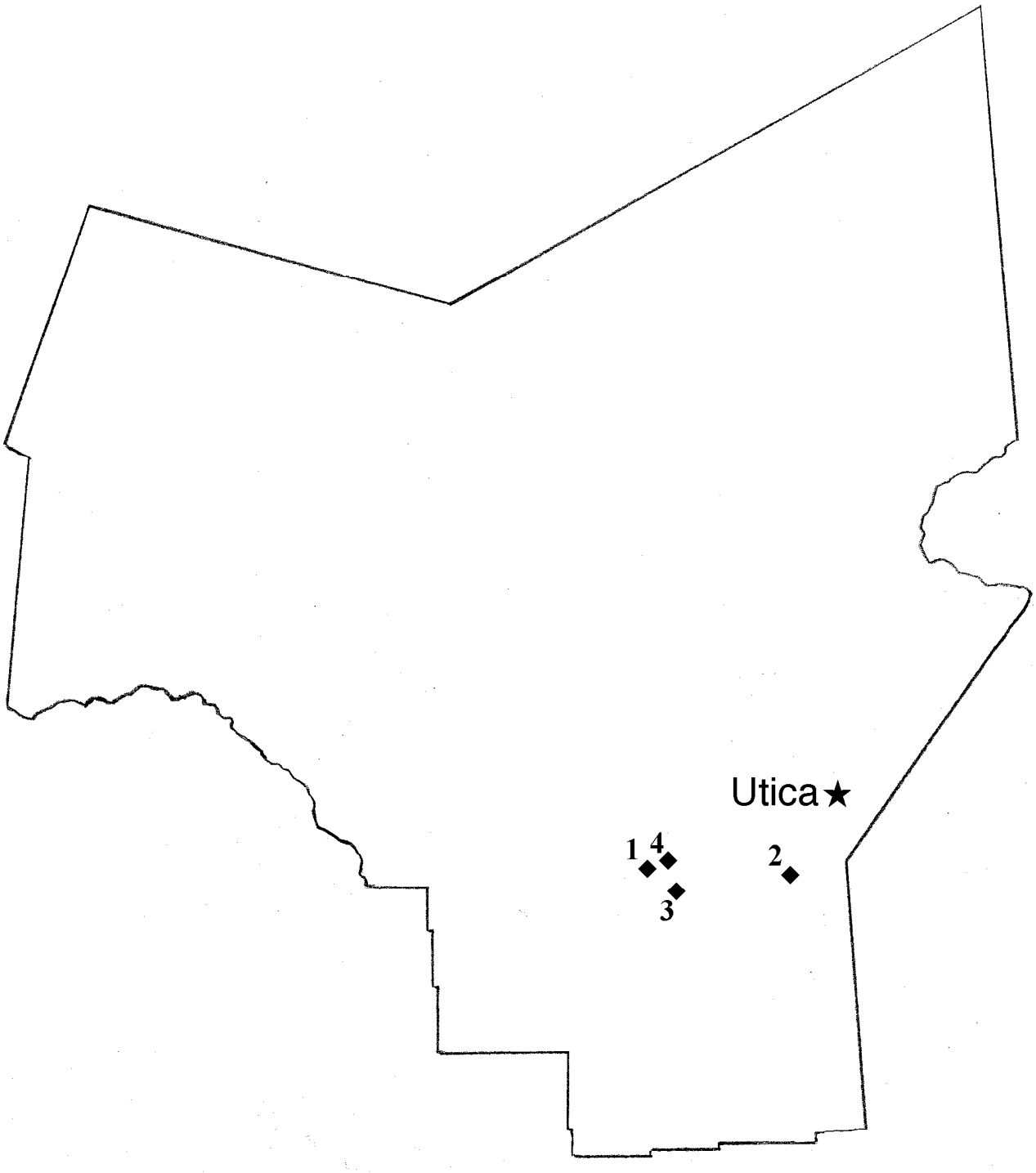
Localities without GPS coordinates (not shown on map)

Goat Island (S). *Minerals:* Sphalerite. Niagara Falls. Town of Niagara.
Reference: Whitlock, 1903

Lockport Canal (S). *Minerals:* Anhydrite, Calcite, Celestine, Chalcopyrite, Dolomite, Epsomite, Fluorite, Gypsum, Sphalerite. Town of Lewiston.
References: Dana, 1898; Whitlock, 1903

Niagara Falls (S). *Minerals:* Calcite, Dolomite, Fluorite, Sphalerite. Town of Niagara Falls.
References: Dana, 1898; Whitlock, 1903

Oneida County



Localities with GPS coordinates (shown on map)

1) Root Glen (S). *Minerals:* Calcite, Chalcopyrite, Marcasite, Pyrite, Quartz, Sphalerite. Hamilton College, Clinton. Town of Kirkland.
GPS: (43°02'54"N, 75°24'18"W)
References: Whitlock, 1903; Robinson & Chamberlain, 2007b; Chamberlain, 2016

Sphalerite, Calcite. Root Glen. 6 cm. SCC24661 and photo.

2) The Glen (S). *Minerals:* Calcite, Sphalerite. Chadwicks. Town of New Hartford.
GPS: (43°01'50"N, 75°16'44"W)
Reference: Unpublished

3) Clinton Iron Mines (S). *Minerals:* Hematite (oolitic, fossiliferous), Pyrite. Iron mines (Wells, Elliott and Paddon, Clinton Mills, Ferman, Norton Ore Bed), Clinton. Town of Kirkland.
GPS: (43°03'14"N, 75°21'48"W)
References: Whitlock, 1903; Robinson & Chamberlain, 2007b

4) Borst Mines (S). *Minerals:* Hematite. Clinton. Town of Kirkland.
GPS: (43°3'N, 75°23'W)
Reference: Newland, 1919

Localities without GPS coordinates (not shown on map)

Boonville Wollastonite Occurrence (C). *Minerals:* Calcite, Diopside (Coccolite), Wollastonite. Town of Boonville.
Reference: Dana, 1898

Clinton Celestine Locality (S). *Minerals:* Celestite, Hematite, Sphalerite, Strontianite. Town of Clinton.
Reference: Dana, 1898

Davis Ore Bed (S, C). *Minerals:* Hematite (oolitic), Wollastonite (fibrous), (both in shale and limestone). Town of New Hartford.
Reference: Whitlock, 1903

Rome Sphalerite Locality (S). *Minerals:* Sphalerite (yellow, massive). Town of Rome.
Reference: Whitlock, 1903

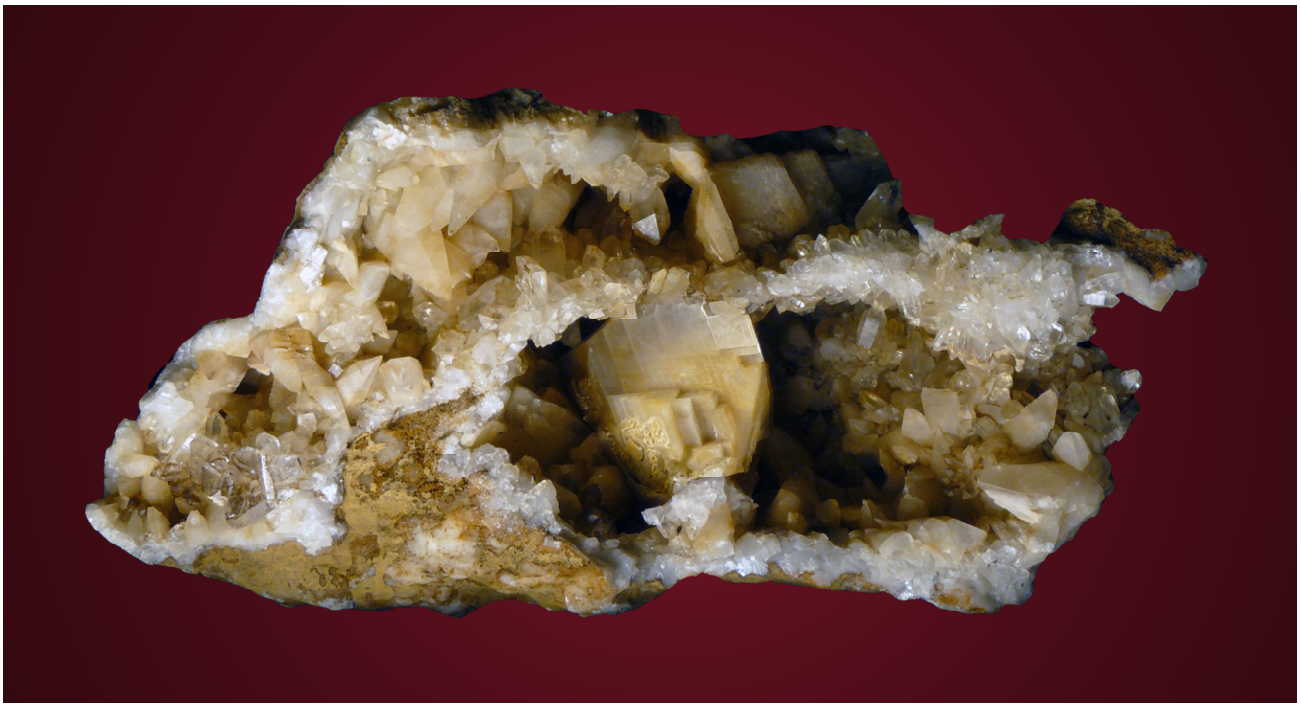
Rte. 5 Occurrence (S). *Minerals:* Calcite, Quartz, Strontianite. Exposures behind former diner, south of US Rte. 5, near Lairdsville. Town of Westmoreland.
Reference: Unpublished

Sherrill Celestine Locality (S). *Minerals:* Celestine. Town of Vernon.
References: Jensen, 1978; Robinson & Chamberlain, 2007b

Unnamed Quarry (S). *Minerals:* Calcite, Celestine, Dolomite, Pyrrhotite, Quartz, Strontianite, Lairdsville. Town of Westmoreland.
Reference: Smyth, 1911

Verona Hematite Occurrence (S). *Minerals:* Hematite (oolitic). Town of Verona.
Reference: Whitlock, 1903

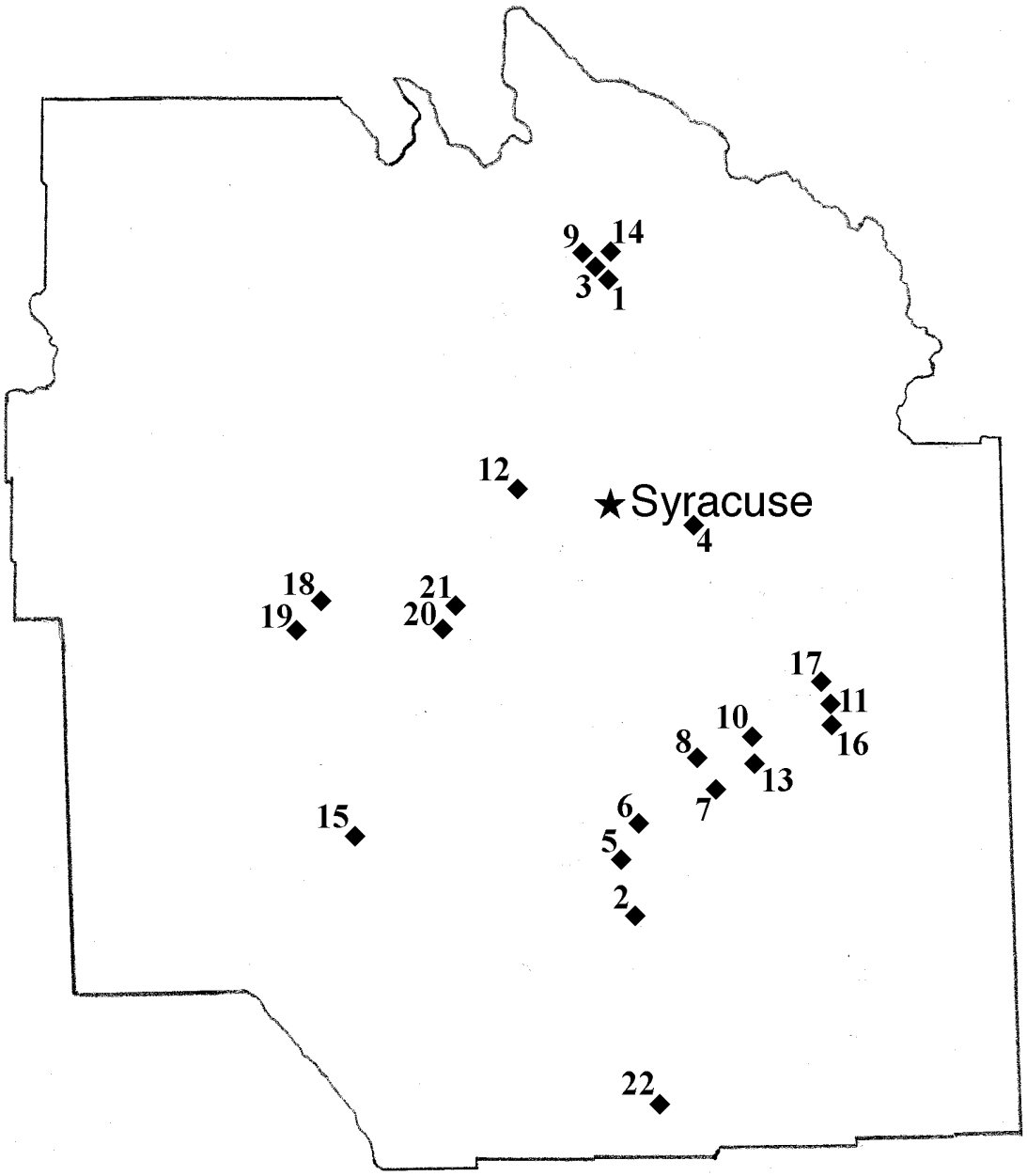
Vernon Sphalerite Locality (S). *Minerals:* Sphalerite (yellow, massive). Town of Vernon.
Reference: Whitlock, 1903

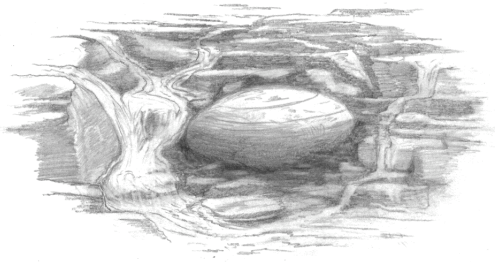


Calcite, Quartz. Rte. 5 Occurrence, Lairdsville. 20.5 cm. SCC15602 and photo.

Quartz, Calcite. Rte. 5 Occurrence, Lairdsville. 20.5 cm. SCC23481 and photo.

Onondaga County

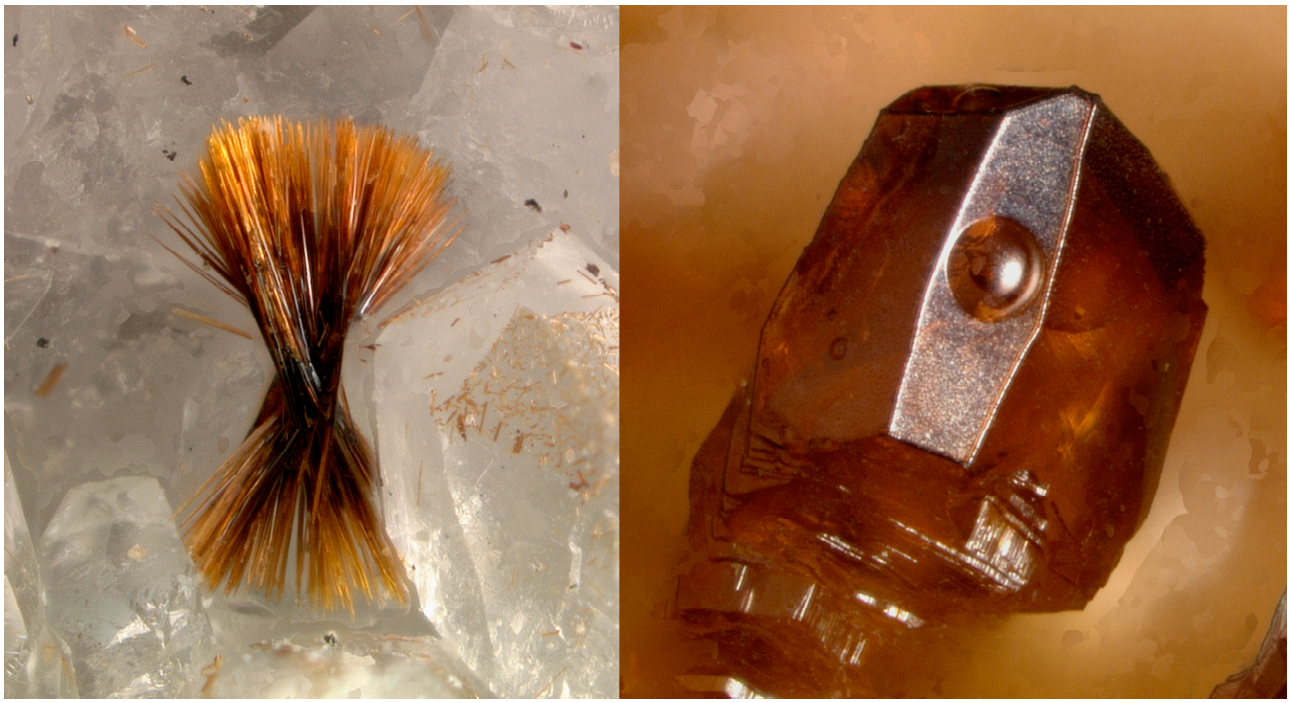




Septarian Concretion, Cedarvale. SR

Localities with GPS coordinates (shown on map)

1) Cicero Clay Pits (S). *Minerals:* Barite, Calcite, Goethite, Gypsum, Marcasite, Melanterite, Pyrite, Sphalerite. Nodules in brickyard clay pits west of South Bay Road, opposite the Gillette Road School, Cicero. Town of Cicero.
GPS: (43°09'36"N, 76°06'03"W)
References: Robinson & Chamberlain, 2007b; Chamberlain et al., 2014b



(L) Goethite, Calcite. Cicero Clay Pits. 1.1-mm fov. SCC18138 and photo.
(R) Calcite (scepter). Cicero Clay Pits. 0.7-mm fov. SCC18095 and photo.

2) I-81 Road Cut (S). *Minerals:* Goethite, Pyrite. Syracuse. Town of Onondaga.
GPS: (42°51'10"N, 76°07'59"W)
References: Dossert & Chamberlain, 1983; Robinson & Chamberlain, 2007b

(L) Pyrite. I-81 Road Cut. 7.2 cm. SCC12757 and photo.
(R) Pyrite. I-81 Road Cut. 12.1 cm. SCC12924. MW photo.

3) Water Line Excavation (S). *Minerals:* Barite, Celestine, Dolomite. Gillette Road, Cicero. Town of Cicero.
GPS: (43°10'04"N, 76°06'39"W)
References: Chamberlain et al., 2013; Chamberlain et al., 2014

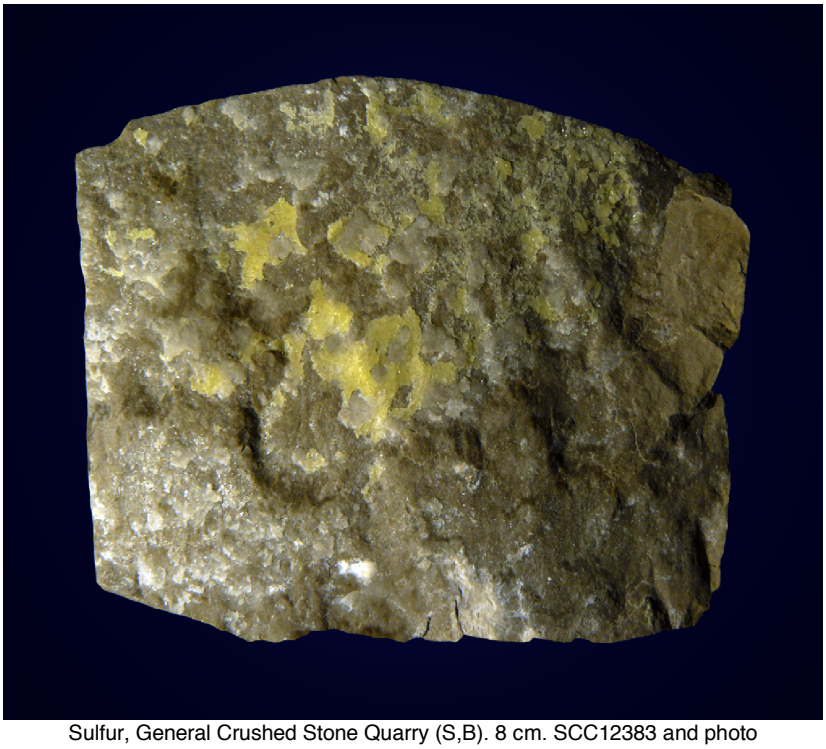
(L) Dolomite. Water Line Excavation. 5-cm xl. GMSS specimen. SCC photo.
(R) Barite, Dolomite. Water Line Excavation. 3-cm sphere. GMSS specimen. SCC photo.

4) Kidstown Occurrence (S). *Minerals:* Gypsum, Halite (hopper molds), Quartz. Exposures behind 3130 Erie Boulevard (Kidstown), DeWitt. Town of DeWitt.
GPS: (43°03'15"N, 76°04'46"W)
Reference: Robinson & Chamberlain, 2007b

(L) Molds of skeletal Halite xls. Kidstown Occurrence. 13 cm. SCC35472 and photo. (
R) Gypsum. Kidstown Occurrence. 5 cm. SCC16859 and photo.

5) Nedrow Thrust Fault (F). *Minerals:* Barite, Calcite, Chalcopyrite, Dolomite, Hematite, Malachite, Marcasite, Quartz. I-81 interchange, Nedrow. Town of Onondaga.
GPS: (42°57'28"N, 76°08'11"W)
Reference: Dossert & Chamberlain, 1991

6) Sulfur Occurrence (S, B). *Minerals:* Calcite, Sulfur. General Crushed Stone quarry, Rock Cut Road. Town of DeWitt. GPS: (43°00'36"N, 76°06'02"W)
Reference: Unpublished

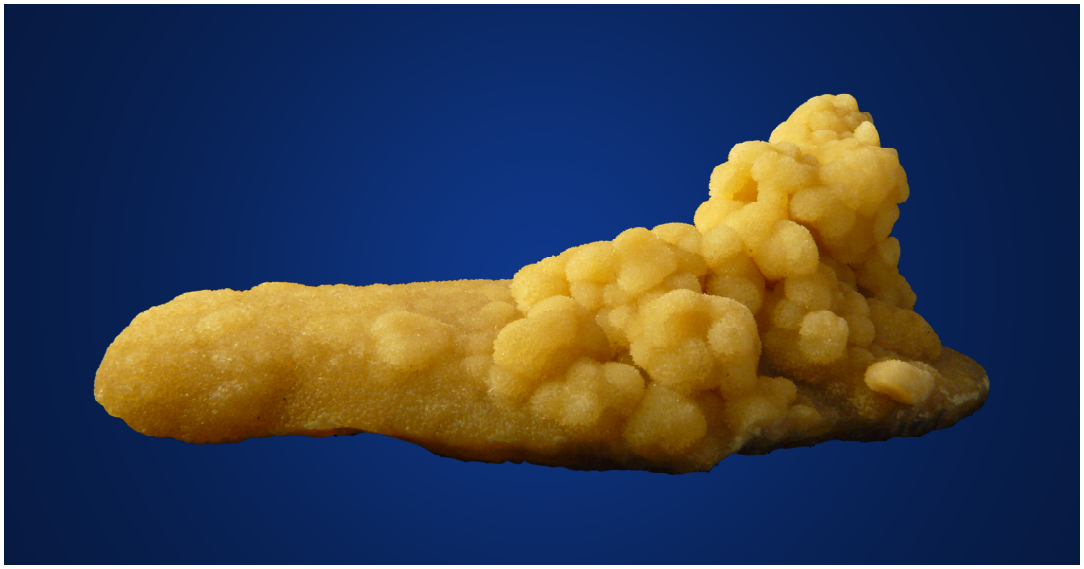


Sulfur, General Crushed Stone Quarry (S,B). 8 cm. SCC12383 and photo

7) Penitentiary Quarry (S). *Minerals:* Calcite, Dolomite, Fluorite, Pyrite. Quarry near old Jamesville Penitentiary, Jamesville. Town of DeWitt.
GPS: (42°59'00"N, 76°03'53"W)
Reference: Unpublished

Dolomite, Penitentiary Quarry. 9-cm fov. SCC41018 and photo.

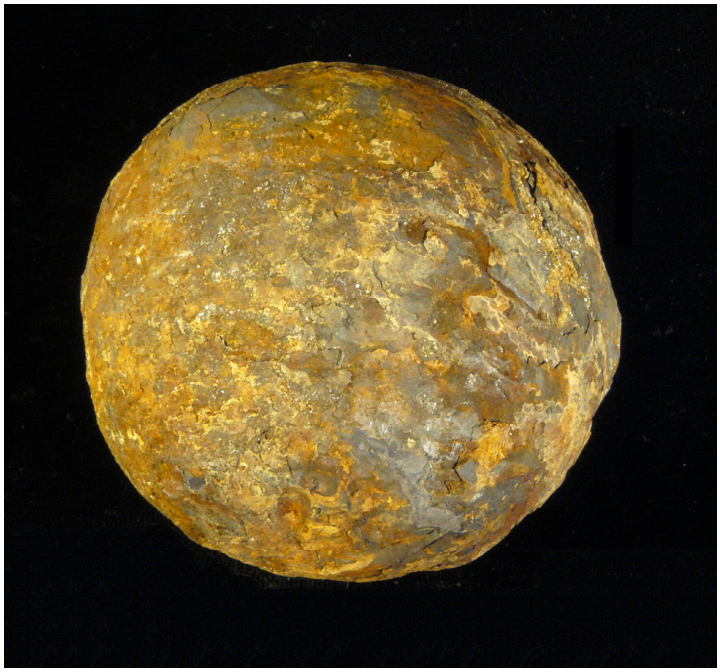
8) Quintard Road Gravel Pit (F). *Minerals:* Calcite. Former Gravel Pit on Quintard Rd, DeWitt. Town of DeWitt.
GPS: (43°01'18"N, 76°04'33"W)
Reference: Unpublished



Calcite. Quintard Road Gravel Pit. 9.5 cm. SCC30766 and photo.

9) I-81 Interchange (S). *Minerals:* Barite, Dolomite. Excavations for I-81 interchange, Cicero. Town of Cicero.
GPS: (43°10'32"N, 76°06'57"W)
Reference: Robinson & Chamberlain, 2007b

10) Jamesville Quarry (S). *Minerals:* Apatite nodules, Calcite, Dolomite, Fluorite. Jamesville. Town of DeWitt.
GPS: (42°59'55"N, 76°04'09"W)
Reference: Unpublished



Apatite Nodule. Jamesville Quarry. 8 cm. SCC37226 and photo.

11)Gypsum Locality (S). *Minerals:* Gypsum. Railroad Cut, Fayetteville. Town of Manlius.
GPS: (43°03'00"N, 76°00'22"W)
Reference: Robinson & Chamberlain, 2007b

12)Gulf Road Travertine Locality (S). *Minerals:* Calcite (travertine). Northeast of Split Rock Gulf. Town of Onondaga.
GPS: (43°01'39"N, 76°14'42"W)
Reference: Unpublished

Calcite (Travertine) (S). Gulf Road Travertine Locality. 16.5 cm. SCC40310 and photo.

13)Gates Road Shale Pit (S, B). *Minerals:* Barite, Calcite, Dolomite, Quartz, Strontianite,Witherite, (all in septarian concretions).
Shale pit on Gates Road, Jamesville. Town of DeWitt.
GPS: (42°59'11"N, 76°02'30"W)
References: Chamberlain et al., 1986; Siegel et al., 1987; Robinson & Chamberlain, 2007b

Witherite. Gates Road Shale Pit. 2-cm fov. SCC specimen and photo.

14)Whiting Quarry (S) *Minerals:* Calcite, Dolomite. South Bay Road, North Syracuse. Town of Cicero.
GPS: (43°10'49"N, 76°04'21"W)
Reference: Unpublished

15)Pleasant Valley Road Occurrence (S). *Minerals:* Barite, Calcite, Dolomite, Marcasite, Quartz, Sphalerite, Witherite. Septarian concretions in road cut on Pleasant Valley Road, Marcellus. Town of Marcellus.
GPS: (42°58'24"N, 76°19'04"W)
Reference: Chamberlain et al., 198

Witherite. Road cut on Pleasant Valley Road. 6-cm fov. SCC24993 and photo.

16)Fayetteville Gypsum Locality (S). *Minerals:* Gypsum. Borrow pit behind Fayetteville DPW garage, Fayetteville. Town of Manlius.
GPS: (43°02'26"N, 76°00'27"W)
Reference: Unpublished

17)Manlius Center Halite xl Cavity Locality (S). *Minerals:* Hematite, Halite xl cavities. Town of Manlius
GPS: (43°03'09"N, 76°00'04"W)
Reference: Unpublished

18)Camillus Travertine Locality (S). *Minerals:* Calcite (travertine fossil leaves). Hillside northwest of State Rte. 174 along Nine Mile Creek, southwest of Camillus. Town of Camillus.
GPS: (43°01'48"N, 76°19'18"W)
Reference: Unpublished

19)Marcellus Witherite Locality (S). *Minerals:* Barite ps. Witherite, Calcite, Dolomite, Pyrrhotite, Witherite. Septarian Concretions in Road Cut on Lee Mulroy Road, south of Marcellus. Town of Marcellus.
GPS: (42°58'26"N, 76°20'07"W)
Reference: Chamberlain et al., 1986

20)Cedarvale Road Witherite Locality (S). *Minerals:* Calcite, Dolomite, Quartz, Strontianite, Witherite. Septarian concretions in creek along Cedarvale Road, Marcellus. Town of Marcellus.
GPS: (42°58'33"N, 76°15'08"W)
Reference: Chamberlain et al., 1986

Witherite. Septarian Concretions in creek along Cedarvale Road. 8 cm. SCC25652 and photo.

21)Howlett Hill Witherite Locality (S). *Minerals:* Barite ps. Witherite, Calcite, Dolomite, Pyrite, Sphalerite, Witherite. Excavation for Housing Development just south of Howlett Hill Road, Howlett Hill. Town of Onondaga.
GPS: (43°01'00"N, 76°14'44"W)
Reference: Unpublished

Witherite. Excavations south of Howlett Hill Road. 10-cm fov. SCC12356 and photo.

22)Tully Pyritized Fossil Locality (S). *Minerals:* Pyrite (fossils in black shale). Hill behind Best Western Motel, at I-81 interchange, Tully. Town of Tully.
GPS: (42°47'59"N, 76°07'16"W)
Reference: Unpublished

Localities without GPS coordinates (not shown on map)

Camillus Halite xl Casts Locality (S). *Minerals:* Halite xl casts. Camillus. Town of Camillus.
Reference: Unpublished

Halite xl Casts. Tully. 7.8 cm. SCC41479 and photo.

Camillus Gypsum Locality (S). *Minerals:* Gypsum. Camillus, Town of Camillus.
Reference: Dana, 1898

Camillus Railroad Cut (S). *Minerals:* Calcite, Gypsum (Selenite and fibrous), Sulfur. Town of Camillus.
Reference: Whitlock, 1903

Collamer Road Gypsum Locality (S). *Minerals:* Gypsum. Collamer Road, East Syracuse. Town of DeWitt.
Reference: Unpublished

Gypsum. Collamer Road. 9.6 cm. SCC37116 and photo.

Fayetteville Fluorite Locality (S). *Minerals:* Fluorite (purple cubes), Gypsum. Railroad Cut, 1 mile north of Fayetteville. Town of Manlius.
Reference: Whitlock, 1903

Frederick Swaby Farm (S). *Minerals:* Gypsum. Along north bank of Seneca River, on old Frederick Swaby Farm.
Reference: Newland and Leighton, 1910

Liverpool Gypsum Locality (S). *Minerals:* Gypsum (fibrous). Liverpool. Town of Salina.
Reference: Whitlock, 1903

Manlius Calcite Locality (S). *Minerals:* Calcite. Manlius. Town of Manlius.
Reference: Unpublished

Calcite. Manlius. 7.8 cm. SCC40312 and photo.

Solvay Process Gypsum (S). Industrial byproduct of the Solvay Process. Solvay, Town of Geddes.
Reference: Unpublished

Syracuse Barite Locality (S). *Minerals:* Barite, Celestine, Gypsum, Serpentine. Syracuse. Town of Onondaga.
Reference: Dana, 1898