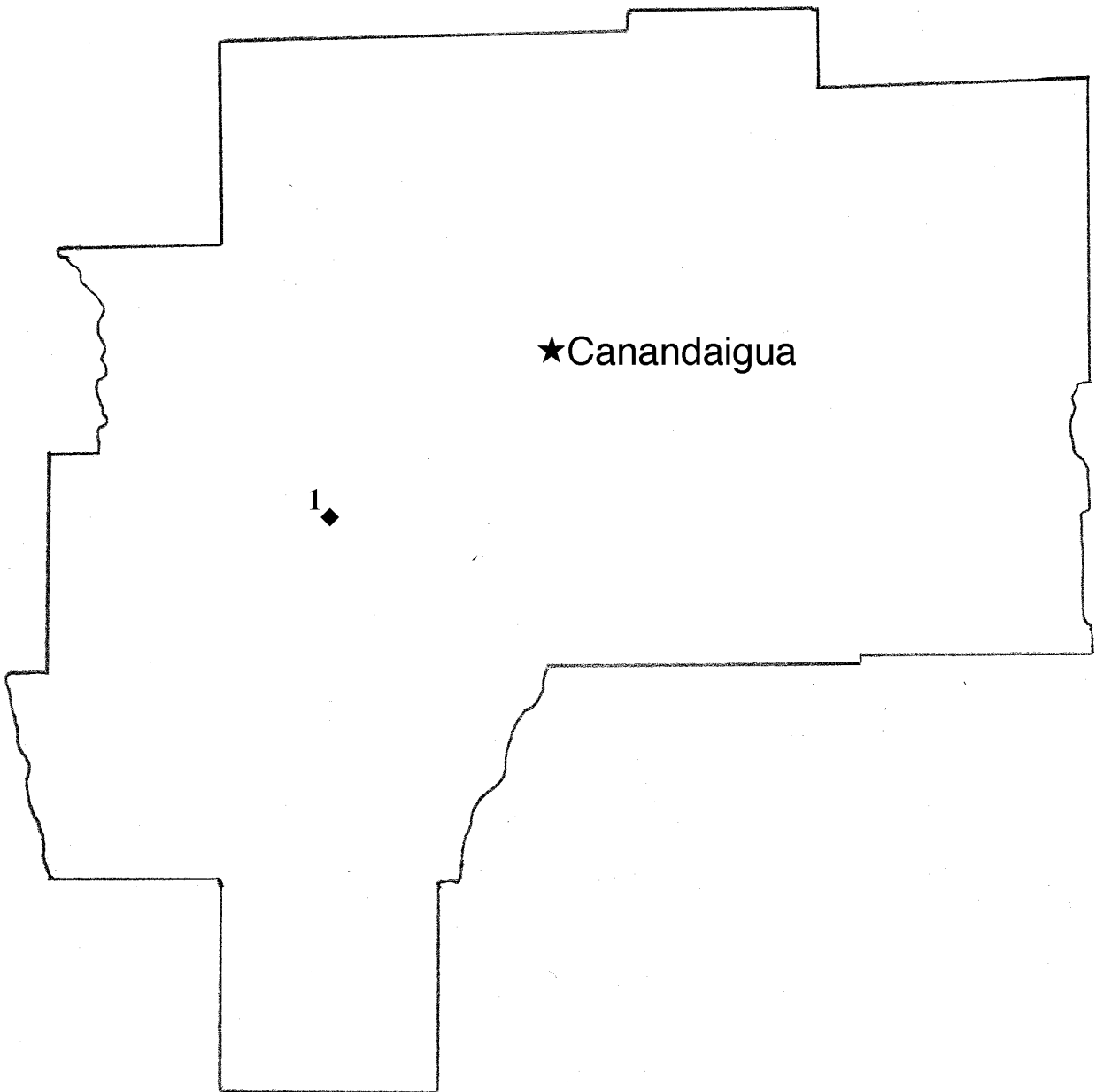


# *Ontario County*



### Localities with GPS coordinates (shown on map)

1) Marcellus Shale Concretions (S). *Minerals*: Barite, Calcite, Dolomite, Quartz (in septarian concretions). Bristol Center. Town of Bristol.

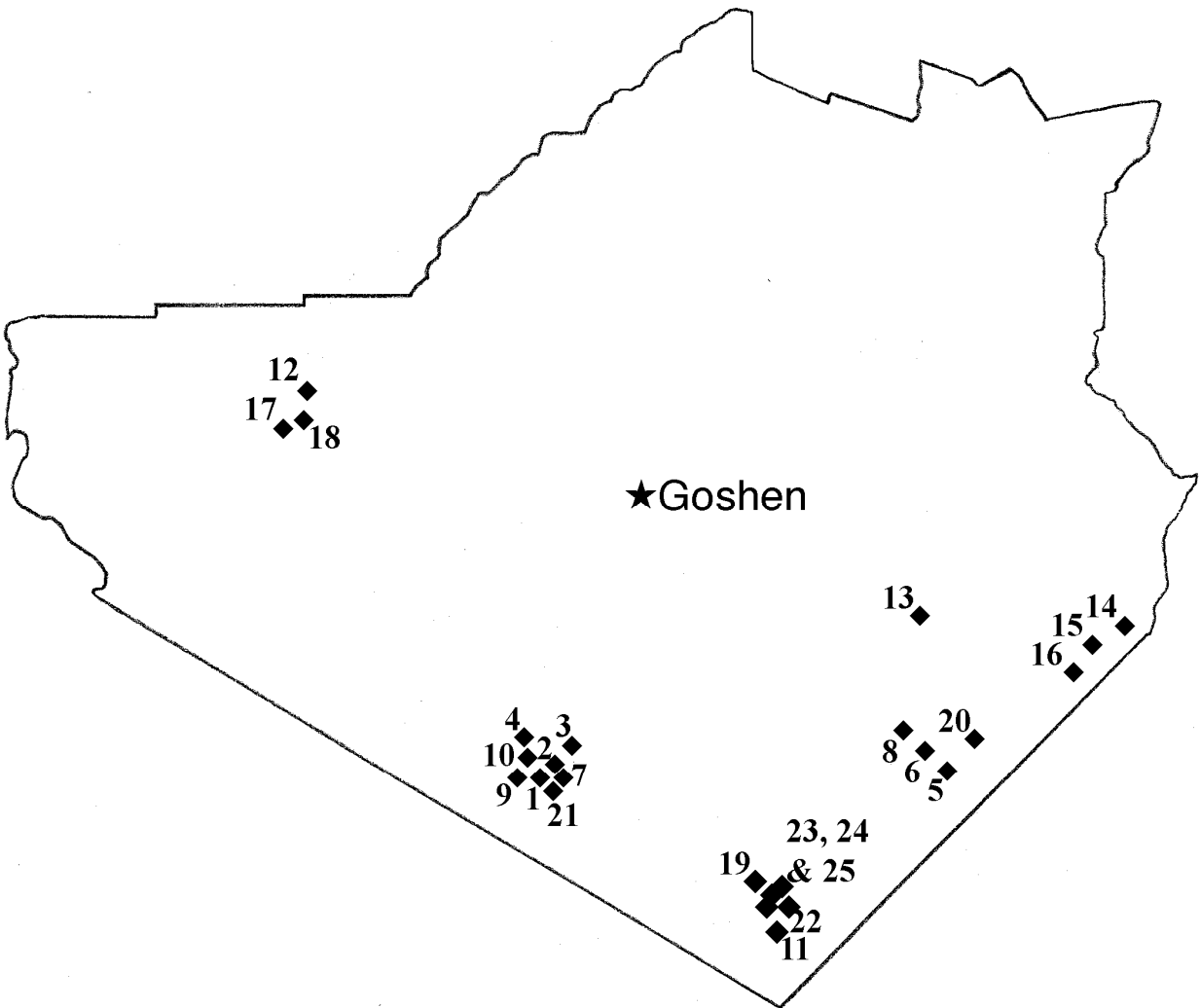
GPS: (42°50'45"N, 77°25'28"W)

*Reference*: Robinson & Chamberlain, 2007b



Calcite, Dolomite. Bristol Center. 20 cm. FLGMFC Facebook photo.

# Orange County



## Localities with GPS coordinates (shown on map)

- 1) Clintonite Type Locality (C). *Minerals*: Calcite, Chondrodite, Clintonite, Graphite, Phlogopite, Pyroxene, Pyrrhotite, Spinel. Amity. Town of Warwick.  
GPS: (41°16'13"N, 74°26'56"W)  
*Reference*: Robinson & Chamberlain, 2007b



Clintonite, Calcite. Amity. 8 cm. NYSM specimen. GBG photo.

- 2) Warwickite Type Locality (C). *Minerals*: Chondrodite, Fluorborite, Forsterite, Ilmenite, Rutile, Spinel, Warwickite. Amity. Town of Warwick.  
GPS: (41°15'57"N, 74°26'22"W)  
*Reference*: Robinson & Chamberlain, 2007b



Warwickite. Amity. 5.5 cm. NYSM specimen. GBG photo.

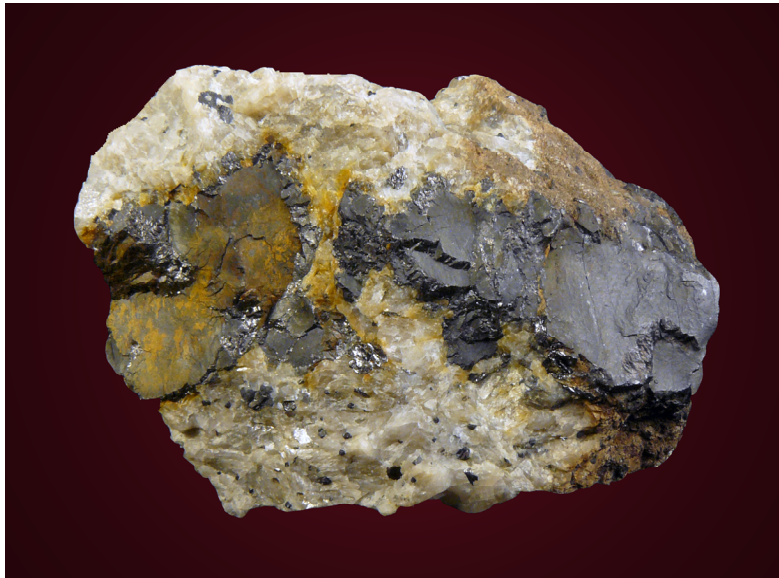
- 3) Henry Rudy Farm (C). *Minerals*: Calcite, Chondrodite, Dissakisite-(Ce), Graphite, Phlogopite, Spinel. Rudy farm, Amity. Town of Warwick.  
GPS: (41°16'39"N, 74°25'43"W)  
*References*: Robinson & Chamberlain, 2007b; Lupulescu et al., 2014

- 4) Giant Spinel Locality (C). *Minerals*: Chondrodite, Forsterite, Spinel. Amity. Town of Warwick.  
GPS: (41°15'22"N, 74°27'15"W)  
*References*: Fowler, 1825; Robinson & Chamberlain, 2007b



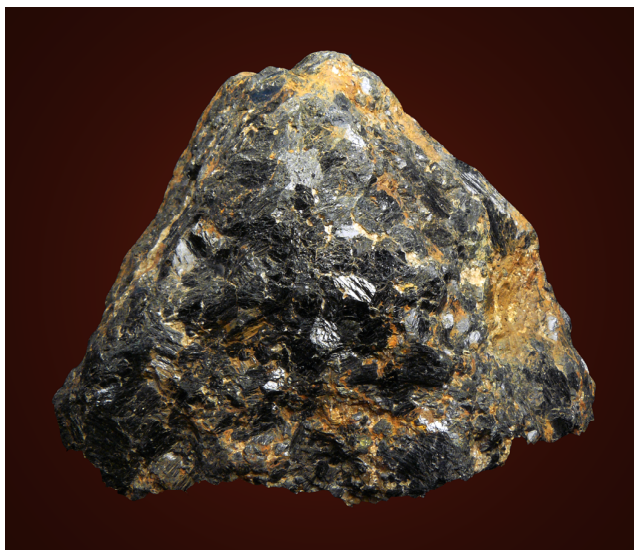
Spinel. Amity. 17 cm. SCC15230 and photo.

- 5) Hogencamp Mine (C). *Minerals*: Apatite, Biotite, Chalcopyrite, Diopside, Hastingsite, Magnetite, Marcasite, Marialite, Microcline, Pentlandite, Potassic-pargasite, Pyrite, Pyrrhotite, Spinel, Zircon. East of Southfields. Town of Tuxedo.  
GPS: (41°14'35"N, 74°7'13"W)  
*References*: Smock, 1889; Robinson & Chamberlain, 2007b



Magnetite, Calcite. Hogencamp Mine. 7.2 cm. SCC17872 and photo.

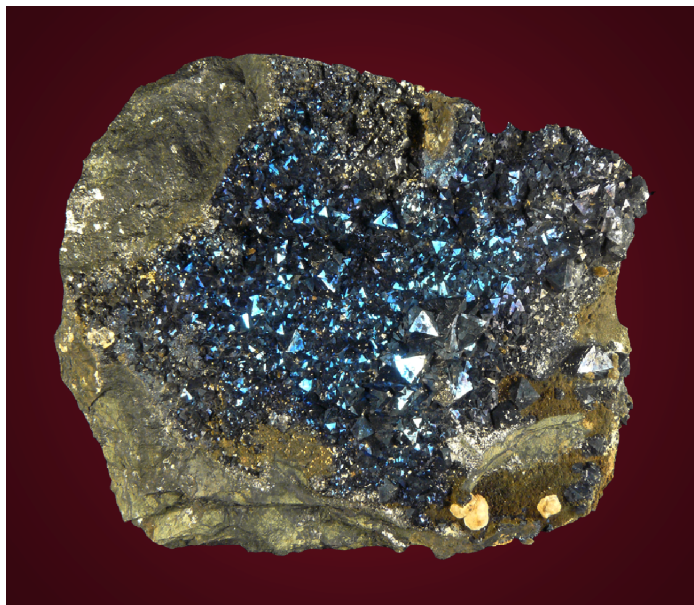
- 6) Potassic-fluoro-hastingsite Type Locality (Greenwood Mine) (C). *Minerals*: Albite, Biotite, Chalcopyrite, Diopside, Enstatite, Fluorapatite, Magnetite, Molybdenite, Phlogopite, Polycrase-(Y), Potassic-fluoro-hastingsite (Type Locality), Pyrite, Pyrrhotite, Quartz, Zircon. Town of Tuxedo.  
GPS: (41°15'53"N, 74°06'46"W)  
*Reference*: Robinson & Chamberlain, 2007b; Lupulescu et al., 2009



Potassic-fluoro-hastingsite. Greenwood Mine (Type Locality). 11.8 cm. SCC18005 and photo.

- 7) Eurich Farm (C). *Minerals*: Diopside, Scapolite. Amity. Town of Warwick.  
GPS: (41°16'18"N, 74°26'46"W)  
*Reference*: Robinson & Chamberlain, 2007b

- 8) O'Neil (Nail) Mine (C). *Minerals*: Actinolite, Antigorite (Jenkinsonite), Aragonite, Augite, Biotite, Calcite, Chondrodite, Clinoenstatite, Fayalite (Hortonolite), Diopside (Coccolite), Epidote, Garnet, Glaucophane, Goethite, Hastingsite, Magnetite, Magnetite ps. after Ilvaite, (Dimagnetite), Molybdenite, Pentlandite, Potassic-chloro-hastingsite, Potassic-pargasite, Pyrrhotite, Serpentine, Spinel, Tremolite, Zircon. Town of Monroe.  
GPS: (41°17'42"N, 74°11'05"W)  
*References*: Whitlock, 1903; Manchester, 1931; Robinson & Chamberlain, 2007b



Magnetite. O'Neil Mine. 10.7 cm. SCC7404 and photo.

- 9) Atlas Quarry (C). *Minerals:* Albite, Aragonite, Chalcopyrite, Chondrodite, Edenite, Ferro-hornblende, Fluorapatite, Fluorite, Fluoro-edenite, Fluoro-tremolite, Graphite, Molybdenite, Muscovite, Phlogopite, Pyrite, Pyrrhotite, Scapolite, Spinel, Talc, Titanite, Tremolite, Uvite-Dravite, Zircon. Pine Island. Town of Warwick.  
GPS: (41°17'12"N, 74°28'36"W)  
*References:* Robinson & Chamberlain, 2007b; Jaszczak et al., 2009



Uvite, Calcite. Atlas Quarry. 7 cm. JB81191 and photo.

- 10) Mt. Adam and Mt. Eve (C). *Minerals:* Allanite-(Y), Arsenopyrite, Biotite, Calcite, Chondrodite, Diopside, Hornblende, Microcline, Pyrite, Scapolite, Titanite, Wollastonite, Zircon. Pine Island. Town of Warwick.  
GPS: (41°18'15"N, 74°25'37"W)  
*Reference:* Robinson & Chamberlain, 2007b
- 11) Redback Mine (C). *Minerals:* Diopside, Fluoro-tremolite, Magnesio-hastingsite, Magnetite, Melanterite, Olivine, Pyrite, Pyrrhotite, Tremolite. Town of Tuxedo.  
GPS: (41°10'41"N, 74°14'25"W)  
*Reference:* Robinson & Chamberlain, 2007b
- 12) Empire Mine (F). *Minerals:* Galena, Pyrite, Quartz. South of Otisville. Town of Deer Park.  
GPS: (41°27'56"N, 74°34'03"W)  
*Reference:* Dana, 1898
- 13) Wilks (Clove) Mine (C). *Minerals:* Albite (Oligoclase), Antigorite (ferroan, manganoan) (Hydrophite, Jenkinsite), Asbestos, Biotite, Calcite, Chevkinite-(Ce), Chlorite, Chromite, Chrysotile, Hastingsite, Hornblende, Magnesio-hastingsite, Magnetite, Orthoclase, Pyrite, Pyrrhotite, Quartz, Serpentine, Talc, Zircon. Monroe. Town of Monroe.  
GPS: (41°18'52"N, 74°11'58"W)  
*References:* Whitlock, 1903; Manchester, 1931; Robinson & Chamberlain, 2007b
- 14) Forest of Dean Mine (C). *Minerals:* Albite (Oligoclase), Amphibole, Anhydrite, Apatite, Biotite, Calcite, Diopside, Epidote, Feldspar, Forsterite, Gypsum, Magnetite, Muscovite (Sericite), Pargasite, Quartz, Scapolite, Spinel, Talc, Zircon. Fort Montgomery. Town of Highlands.  
GPS: (41°19'N, 73°59'W)  
*References:* Dana, 1898; Whitlock, 1903
- 15) Bradley Iron Mines (C). *Minerals:* Apatite, Augite, Calcite, Magnetite, Pyrrhotite, Titanite. North of Cedar Pond. Town of Monroe.  
GPS: (41°16'36"N, 74°06'01"W)  
*References:* Ries, 1896; Whitlock, 1903; Ayres, 1945



Magnetite, Calcite. Bradley Iron Mine. 8 cm, 8-mm xl. JB12272 and photo

- 16) Surebridge Mine (C). *Minerals*: Amphibole, Diopside, Ferro-edenite, Magnetite, Muscovite (Sericite), Potassic-pargasite, Scapolite. Southeast of Arden. Town of Tuxedo.  
 GPS: (41°15'28"N, 74°07'14"W)  
*References*: Clarke, 1921; Kalczynski, 2009
- 17) Wallkill (Guymard) Mine (F). *Minerals*: Chalcopyrite, Galena, Quartz, Sphalerite. Guymard, Shawangunk Mountains. Town of Deer Park.  
 GPS: (41°26'29"N, 74°34'51"W)  
*References*: Newland, 1919; Wilbur, et al., 1990
- 18) Washington Mining Co. Mine (F,A). *Minerals*: Chalcopyrite, Chrysocolla, Galena, Malachite, Sphalerite. Otisville. Town of Deer Park.  
 GPS: (41°29'00"N, 74°32'20"W)  
*References*: Ries, 1895; Newland, 1919
- 19) Sterling Mine (C). *Minerals*: Amphibole, Epidote, Magnetite, Orthoclase, Pyroxene, Quartz, Tourmaline. Sterling Pond (Lake), Warwick. Town of Warwick.  
 GPS: (41°11'58"N, 74°15'49"W)  
*References*: Smock, 1889; Whitlock, 1903; Manchester, 1931
- 20) Rich Mine (C). *Minerals*: Magnetite. Just northeast of Pine Swamp Mine. Town of Monroe.  
 GPS: (41°15'02"N, 74°06'40"W)  
*Reference*: Ayres, 1945
- 21) Rhein Property (C). *Minerals*: Antigorite, Augite, Azurite, Calcite, Chalcopyrite, Chondrodite, Chrysotile, Clinocllore, Clinohumite, Corundum, Diopside, Edenite, Fluorapatite, Fluorite, Fluoro-edenite, Fluor-uvite, Geikielite, Graphite, Ilmenite, Magnesio-hastingsite, Marialite, Meionite, Norbergite, Opal, Pargasite, Phlogopite, Pyrrhotite, Pyrite, Spinel, Titanite, Tremolite, Uvite, Zircon. Amity. Town of Warwick.  
 GPS: (41°16'32"N, 74°26'17"W)  
*Reference*: Friedman, 2021





Scapolite. Rhein Property. 35-cm fov. GR specimen and photo.

- 22)Tuxedo Park Quarry (C). *Minerals:* Allanite-(Ce), Graphite, Pyrite, Scapolite, Titanite, Zircon. Cliff Road, Tuxedo. Town of Tuxedo.  
 GPS: (41°11'18"N, 74°12'21"W)  
*Reference:* Unpublished
- 23)Forshee Mine (C). *Minerals:* Magnetite. Lake Mombasha. Town of Monroe.  
 GPS: (41°17'19"N, 74°11'25"W)  
*Reference:* Ries, 1895
- 24)Boston Mine (C). *Minerals:* Diopside, Goethite, Gypsum, Hisingerite, Magnesio-hastingsite, Magnetite, Microcline, Pyrite, Pyrrhotite, Quartz. Allendale. Town of Southfields.  
 GPS: (41°14'47"N, 74°08'44"W)  
*Reference:* <scenesfromthetrail.com>
- 25)Black Ash Mine (C). *Minerals:* Ferro-edenite, Magnetite. Black Ash mine, Town of Tuxedo.  
 GPS: (41°12'05"N, 74°10'12"W)  
*Reference:* <scenesfromthetrail.com>

### Localities without GPS coordinates (not shown on map)

- Amity Area (C). *Minerals:* Amphibole, Apatite, Calcite, Chondrodite, Clinocllore (Fe-deficient - Leuchtenbergite), Clintonite (Seybertite), Corundum, Feldspar, Fluorite, Garnet, Graphite, Epidote, Ilmenite, Lizardite ps. Enstatite, Magnetite, Mica, Orthoclase, Phlogopite, Pyroxene, Rutile, Scapolite, Serpentine, Spinel, Talc, Titanite, Tourmaline, Vesuvianite, Warwickite, Zircon. Town of Warwick.  
*References:* Dana, 1898; Whitlock, 1903
- Amity Corundum Locality (C). *Minerals:* Amphibole, Corundum, Spinel. 0.5 mile Southeast of Amity. Town of Warwick.  
*Reference:* Whitlock, 1903
- Amity Apatite Occurrence (C). *Minerals:* Apatite, Rutile. 2 miles Southwest of Amity. Town of Warwick.  
*Reference:* Whitlock, 1903
- Amity Epidote Occurrence (C). *Minerals:* Epidote, Quartz. 2 miles Southeast of Amity. Town of Warwick.  
*Reference:* Whitlock, 1903
- Amity Rutile Occurrence (C). *Minerals:* Rutile. 2 miles west of Amity. Town of Warwick.  
*Reference:* Whitlock, 1903

Arden Occurrence (C). *Minerals*: Amphibole, Biotite, Chondrodite, Pyroxene, Scapolite, Spinel. 0.5 mile east of Arden. Town of Tuxedo.

*Reference*: Whitlock, 1903

Augusta Mine (C). *Minerals*: Magnetite. Monroe. Town of Monroe.

*Reference*: Smock, 1889

Bloodstone Occurrence (C). *Minerals*: Quartz (Bloodstone - in veins in slate). Craigsville. Town of Blooming Grove.

*Reference*: Whitlock 1903

Bog Meadow Pond Occurrence (C). *Minerals*: Amphibole, Chondrodite, Epidote, Orthoclase, Pyroxene, Spinel, Zircon. 3 miles west of West Point. Town of Highlands.

*Reference*: Whitlock, 1903

Bull Mine (C). *Minerals*: Goethite, Magnetite, Quartz. Blooming Grove. Town of Blooming Grove.

*Reference*: Smock, 1889

Edenville Area (C). *Minerals*: Allanite, Amphibole (hair-brown), Apatite, Arsenopyrite, Chalcopyrite, Chondrodite, Feldspar, Fluorite (Yttrocerite), Ilmenite, Löllingite (Leucopyrite), Mica, Orpiment, Pyroxene, Rutile, Scorodite, Spinel, Titanite, Tourmaline, Tremolite, Vesuvianite, Warwickite. Town of Warwick.

*References*: Dana, 1898; Williams, 1887; Whitlock, 1903

Edenite Type Locality (C). *Minerals*: Calcite. Edenite. Edenville, Town of Warwick.

*Reference*: Robinson & Chamberlain, 2007b



(L) Edenite. Edenville. 6 cm. NYSM specimen. GBG photo.

(R) Edenite. Edenville. 2.5 cm. JB58046 and photo.

Edenville Amphibole Occurrence (C). *Minerals*: Amphibole. 1 mile south of Edenville. Town of Warwick.

*Reference*: Whitlock, 1903

Edenville Ilmenite Occurrence (C). *Minerals*: Ilmenite. 4 miles west of Edenville. Town of Warwick.

*Reference*: Whitlock, 1903

Edenville Rutile Occurrence (C). *Minerals*: Amphibole, Augite, Chondrodite, Muscovite (six-sided and rhombic prisms), Rutile. 1 mile northwest of Edenville. Town of Warwick.

*Reference*: Whitlock, 1903

Edenville Vesuvianite Occurrence (C). *Minerals*: Fluorite, Orpiment, Orthoclase, Spinel, Titanite, Tourmaline, Vesuvianite, Zircon. 1 mile north of Edenville. Town of Warwick.

*Reference*: Whitlock, 1903

Erie Mine (C). *Minerals*: Galena. Guymard. Town of Mt. Hope.

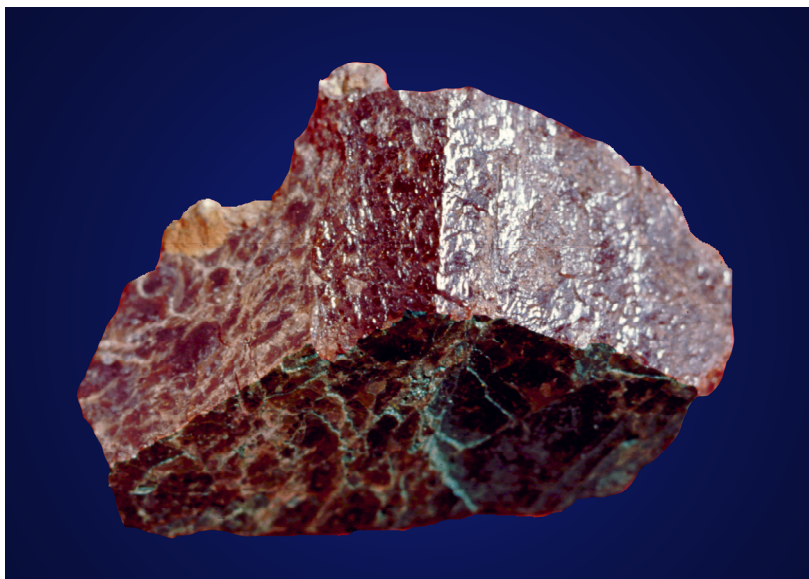
*Reference*: Whitlock, 1903

Fall Hill Occurrence (C). *Minerals*: Scapolite. Fall Hill, 3 miles east of Central Valley. Town of Woodbury.

*Reference*: Whitlock, 1903

Fluoro-pargasite Type Locality (C). *Minerals*: Actinolite, Calcite, Fluoro-pargasite, Phlogopite, Titanite. Edenville, Town of Warwick.

*References*: Lupulescu et al., 2005; Robinson & Chamberlain, 2007b



Titanite. Edenville. 3 cm. Harvard 46534. GWR photo.

Forest of Dean Mine (Tower Mine, Wetherby Mine, Rattlesnake Mine) (C). *Minerals*: Calcite, Magnetite. Monroe, Town of Monroe.

*References*: Smock, 1889; Robinson & Chamberlain, 2007b

Greenwood Furnace (C). *Minerals*: Amphibole, Biotite (Anomite), Chondrodite, Ilmenite, Mica, Pyroxene, Scapolite, Spinel. Arden. Town of Tuxedo.

*References*: Dana, 1898; Whitlock, 1903; Manchester, 1931

Labradorite Occurrence (C). *Minerals*: Anorthite (Labradorite). 0.5 mile north of Washingtonville. Town of Blooming Grove.

*Reference*: Whitlock, 1903

Monroe Occurrence (C). *Minerals*: Meionite, Pyroxene, Spinel. Town of Monroe.

*Reference*: Robinson & Chamberlain, 2007

Mt. Eve (C). *Minerals*: Edenite, Fluorite, Pyroxene, Scapolite, Spinel, Zircon. Southern Base of Mt. Eve, about 2.5 miles north of Edenville. Town of Warwick.

*References*: Williams, 1887; Whitlock, 1903

Queensbury Forge (C). *Minerals*: Amphibole, Biotite (altered - Rastolite), Garnet (Colophonite), Ilmenite, Pyrite, Pyrrhotite, Sillimanite (Bucholzite, Monrolite), Spinel. Queensbury Forge, 2.5 miles southwest of Fort Montgomery. Town of Woodbury.

*References*: Whitlock, 1903; Manchester, 1931

Rocky Hill (C). *Minerals*: Clintonite, Ilmenite, Magnetite, Marcasite, Orthoclase, Rutile, Scapolite, Titanite, Tourmaline, Zircon. Town of Warwick.

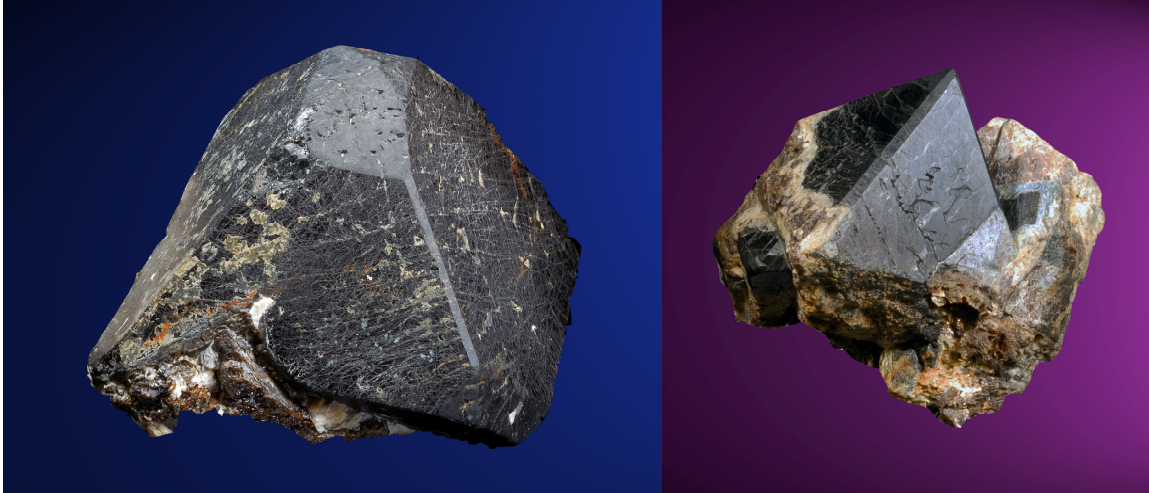
*References*: Dana, 1898; Whitlock, 1903

Snyder Mine (C). *Minerals*: Magnetite. Warwick. Town of Warwick.

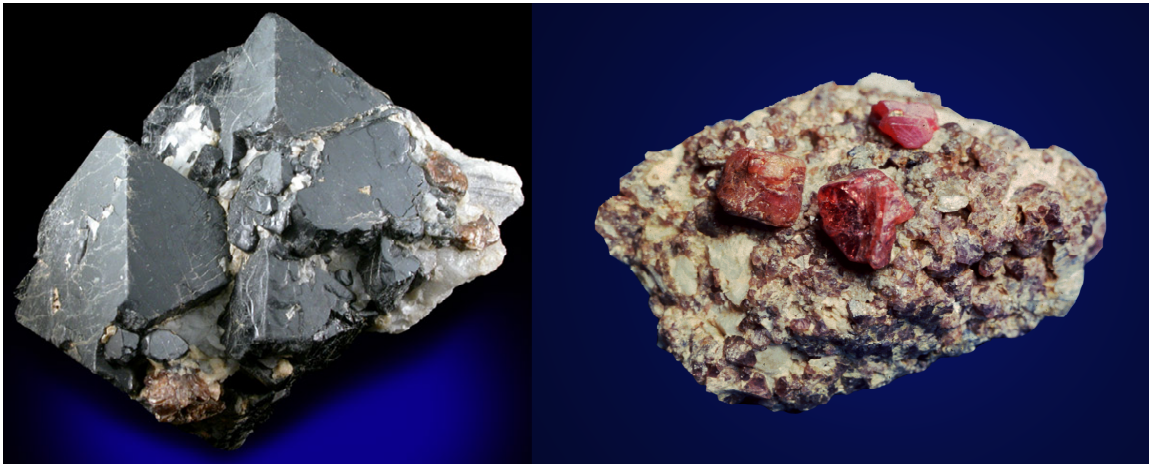
*Reference*: Smock, 1889

- Town of Cornwall Occurrence (C). *Minerals*: Amphibole, Chondrodite, Epidote, Feldspar, Hastingsite (Hudsonite), Ilmenite, Serpentine, Zircon. Town of Cornwall.  
*References*: Dana, 1898; Whitlock, 1903
- Twin Lakes Occurrence (C). *Minerals*: Amphibole, Apatite, Calcite, Chondrodite, Epidote, Hedenbergite, Meionite, Titanite, Zircon. Town of Monroe.  
*References*: Whitlock, 1903; Ayers, 1945; Robinson & Chamberlain, 2007b
- Two Ponds Occurrence (C). *Minerals*: Amphibole, Apatite, Chondrodite, Pyroxene, Scapolite, Titanite, Zircon. Two Ponds.  
*Reference*: Dana, 1898
- Type Locality for Hydrotalcite-2H (formerly Manasseite) (C). Amity. Town of Warwick.  
*References*: Frondel, 1941; Mills et al., 2012; Mills et al., 2016
- Tuxedo Park Occurrence (C). *Minerals*: Allanite, Epidote, Garnet, Graphite, Pyrite, Pyroxene, Scapolite, Spinel, Titanite, Tourmaline. South end of Tuxedo Park. Town of Tuxedo.  
*References*: Whitlock, 1903; Ayres, 1945
- Warwick Area Mines (Warwick Mine, Taylor Mine, Ferro Hill Mine). *Minerals*: Magnetite. 2 miles southeast of Warwick. Town of Warwick.  
*Reference*: Smock, 1889
- Warwick Occurrence (C). *Minerals*: Amphibole, Feldspar, Pyroxene, Serpentine, Siderite, Spinel, Talc ps. Unknown, Zircon. Town of Warwick.  
*Reference*: Dana, 1898
- Warwick Rutile Occurrence (C). *Minerals*: Arsenopyrite, Garnet, Magnetite, Marcasite, Molybdenite, Pyrite (cubic xls), Quartz, Rutile. 2 miles east of Warwick. Town of Warwick.  
*Reference*: Whitlock, 1903
- West Point (C). *Minerals*: Allanite, Amphibole, Epidote, Feldspar, Garnet, Mica, Molybdenite, Pyroxene, Scapolite, Titanite, Tourmaline. Town of Highlands.  
*References*: Dana, 1898; Whitlock, 1903
- Wilks and O'Neil Mine (C). *Minerals*: Aragonite, Chrysotile (Asbestos), Magnetite, (Magnetite ps. Ilvaite - Dimagnetite), Mica, Olivine (Hortonolite), Serpentine, Spinel. Monroe. Town of Monroe.  
*Reference*: Dana, 1898
- Woodbury Furnace Occurrence (C). *Minerals*: Amphibole, Calcite, Forsterite, Magnetite, Spinel. 4 miles southeast of Woodbury Furnace. Town of Highlands.  
*Reference*: Whitlock, 1903
- Woodcock Hill (C). *Minerals*: Graphite (in schist). North end of Woodcock Hill, Town of Blooming Grove.  
*Reference*: Ries, 1895

## Gallery of Orange County Specimens without Specific Locality Information



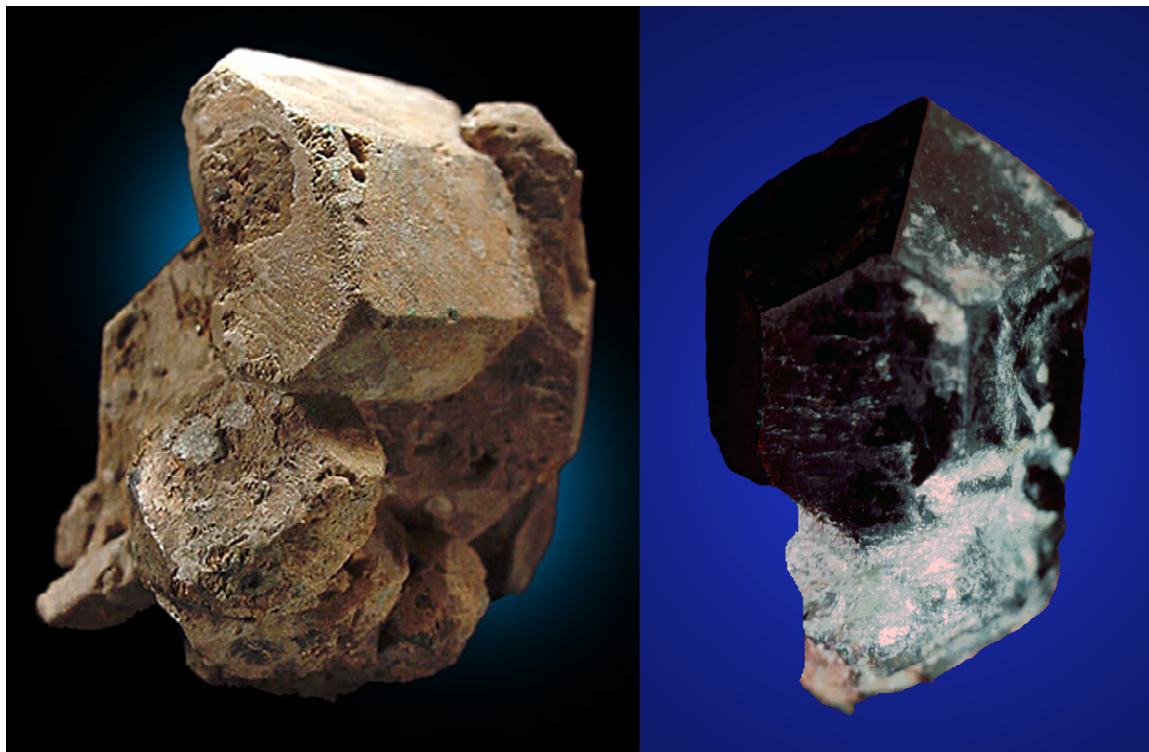
(L) Spinel. Warwick. 9 cm. NYSM specimen. SN photo.  
(R) Spinel. Amity. 8.3 cm. NYSM specimen. SN photo.



(L) Spinel. Amity. 4.5 cm. JB44595 and photo.  
(R) Spinel. Orange County. 5.5 cm. Harvard80920. GWR photo.



Diopside, Calcite. Brooks Hollow. 7 cm. JB34066 and photo.

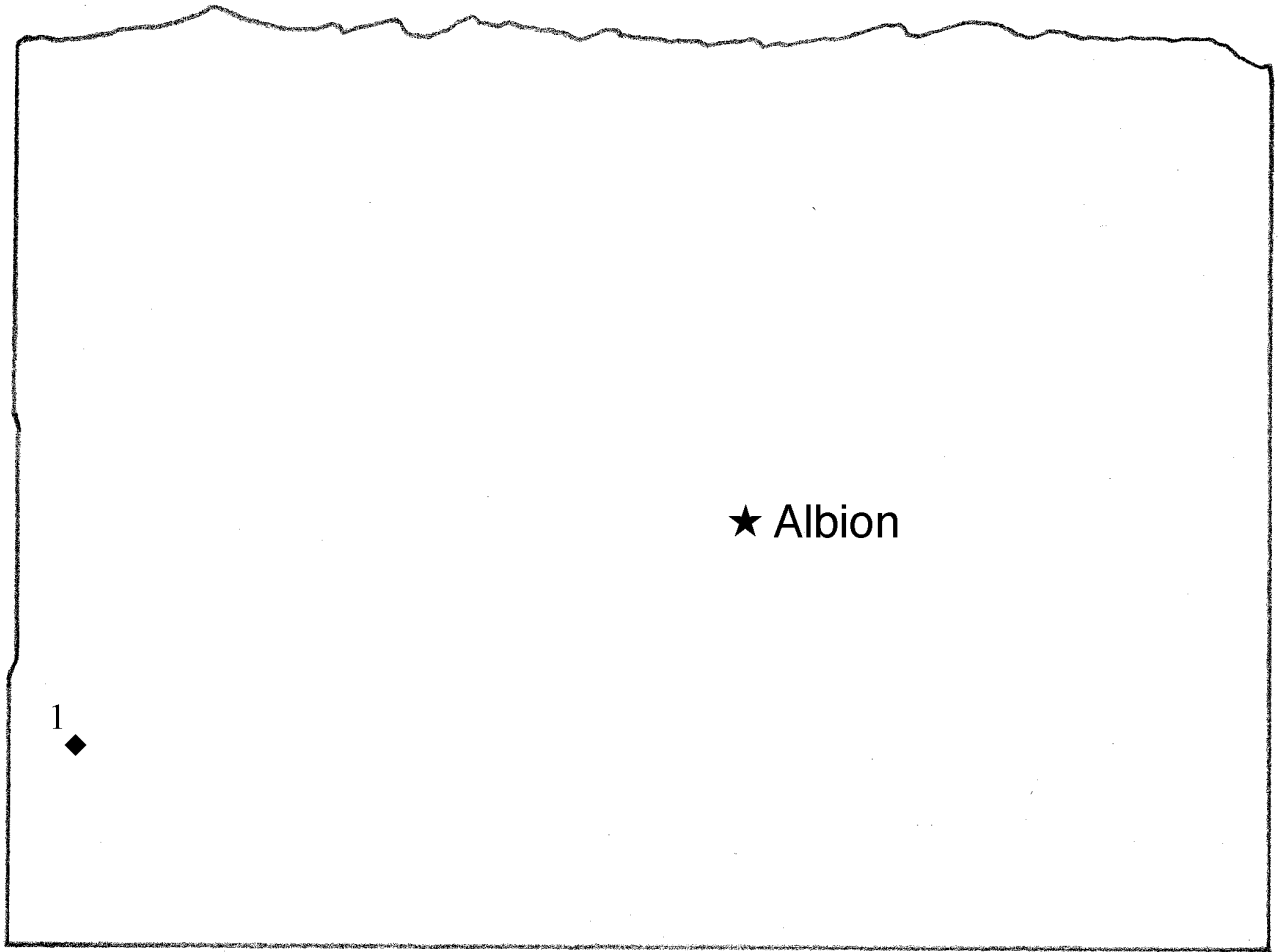


(L) Diopside. Edenville. 5 cm. JB8528 and photo.  
(R) Ilmenite. Orange County. 2.7 cm. Harvard 14945. GWR photo.



(L) Chondrodite, Spinel, Calcite. Warwick. 4.1-cm fov. JB39009 and photo.  
(R) Rutile, Spinel, Chondrodite. Edenville. 11-mm xl. JB34715 and photo.

# *Orleans County*

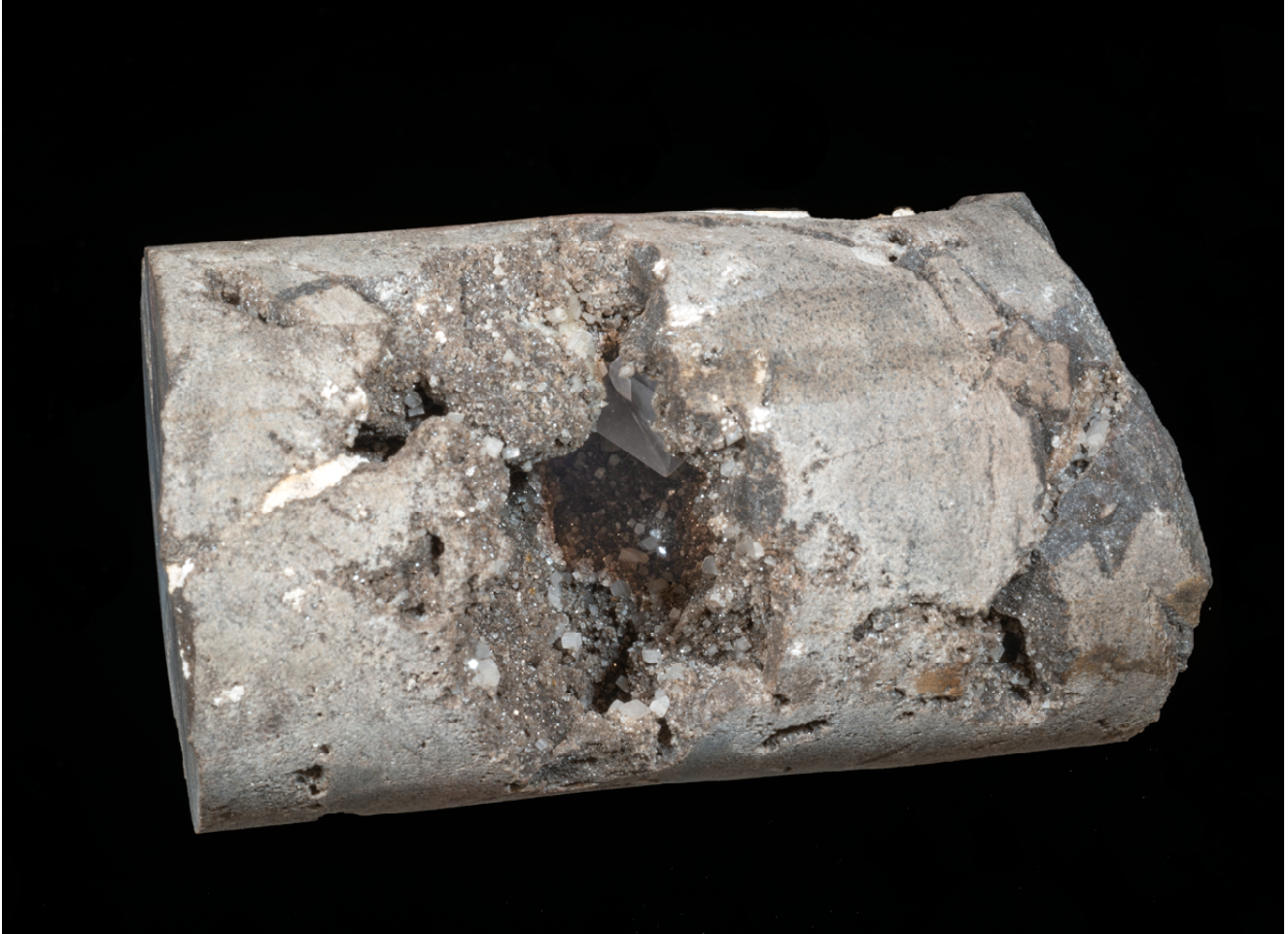


### Localities with GPS coordinates (shown on map)

- 1) Shelby Crushed Stone Quarry (S). *Minerals*: Calcite, Celestine, Dolomite, Galena, Gypsum (Selenite), Quartz, Sphalerite. Medina. Town of Shelby/Ridgeway.  
GPS: (43°11'15"N, 78°25'36"W)  
*Reference*: Unpublished

### Localities without GPS coordinates (not shown on map)

Hole #17, 500' level (S). *Minerals*: Fluorite. Town of Clarendon.  
*Reference*: Unpublished



Fluorite (in drill core). Clarendon. 9 cm. NYSM12753. SN photo.



# Oswego County



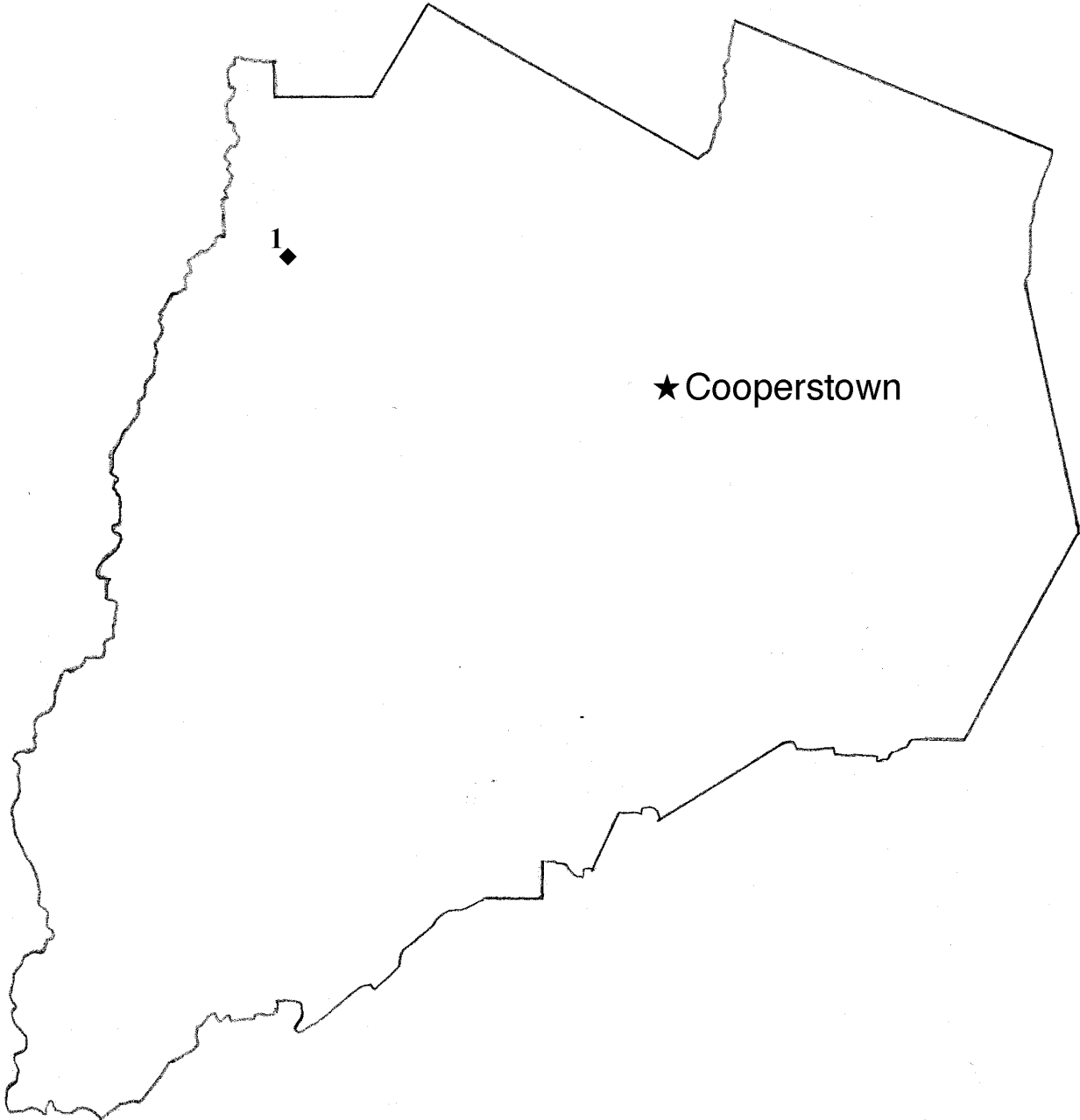
### Localities with GPS coordinates (shown on map)

- 1) Selkirk Shores State Park (S). *Minerals*: Sunset Stones (fluorescent sodalite gneiss pebbles, meionite pebbles, etc.) Town of Richland.  
GPS: (43°33'32"N, 76°12'39"W)  
*Reference*: Unpublished
- 2) Barge Canal (S). *Minerals*: Calcite. Town of Fulton.  
GPS: (43°19'59"N, 76°25'08"W)  
*Reference*: Unpublished



Calcite. Barge Canal. 13.6 cm. NYSM270.264. SN photo.

# *Otsego County*



### Localities with GPS coordinates (shown on map)

- 1) Burlington Meteorite (E) found before 1819. *Minerals*: Iron (Kamacite), Plessite, Taenite. Medium octahedrite. Cooperstown. Town of Otsego.  
GPS: (42°45'N, 75°11'W)  
*Reference*: Robinson & Chamberlain, 2007b

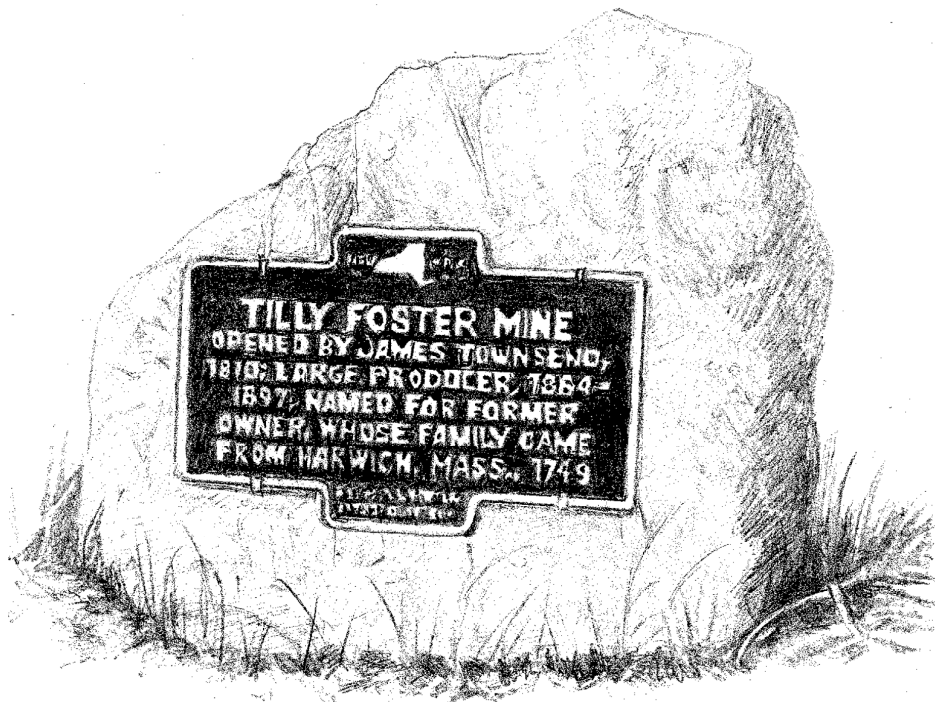
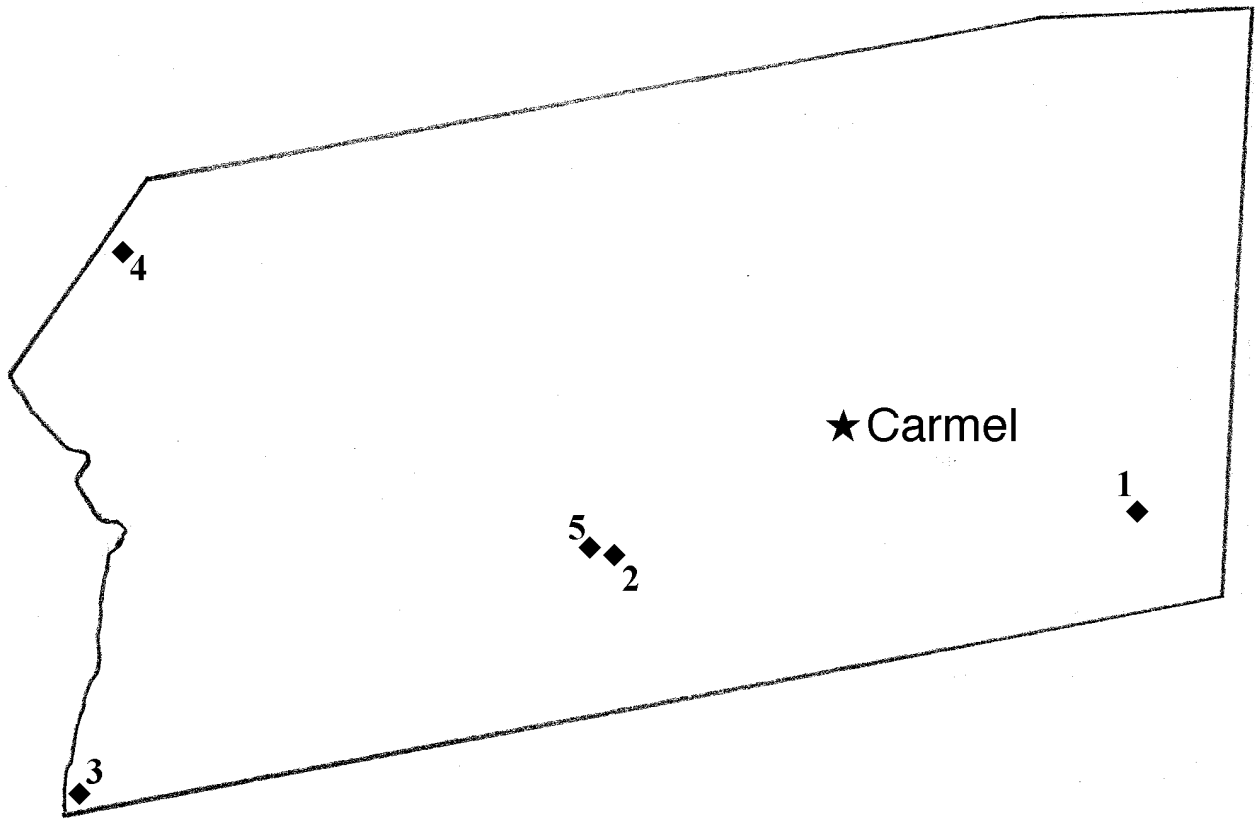
### Localities without GPS coordinates (not shown on map)

Barite Locality (S). *Minerals*: Barite, Calcite. Town of Oneonta.  
*Reference*: Unpublished



Barite, Calcite. Town of Oneonta. 15 cm. NYSM23006. SN photo

# Putnam County



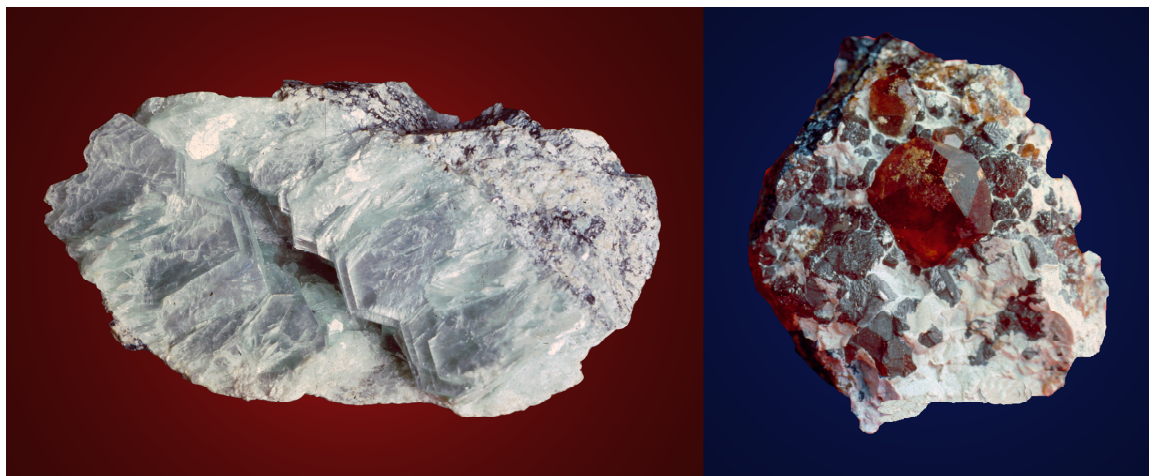
*Tilly Foster Mine Historical Marker. SR*

## Localities with GPS coordinates (shown on map)

- 1) Tilly Foster Mine (C, F, A). *Minerals*: Actinolite, Albite (Oligoclase), Allanite-(Ce), Almandine, Brucite (Nemalite), Byssolite, Anhydrite, Antigorite, Apophyllite, Aragonite, Arsenopyrite, Augite, Autunite, Axinite-(Fe), Barite, Biotite, Bornite, Brochantite, Calcite, Cerussite, Chabazite, Chalcopyrite, Chrysocolla, Chondrodite, Clinocllore (Leuchtenbergite), Clinohumite, Clinozoisite, Danburite, Datolite, Diopside, Dolomite, Dravite, Enstatite, Epidote, Erythrite, Ferro-actinolite, Fluorapatite, Fluorite, Galena, Goethite, Graphite, Grossular, Gypsum, Hedenbergite, Hematite, Heulandite, Hexahydrite, Hornblende, Humite, Hydromagnesite, Hydrotalcite, Ilmenite, Ilvaite, Jarosite, Laumontite, Linarite, Linnaeite, Lizardite, Magnesite, Magnetite, Malachite, Marcasite, Marialite, Melanterite, Microcline, Molybdenite, Muscovite, Natrolite, Olivine, Opal, Palygorskite, Pargasite, Pectolite, Phlogopite, Posnjakite, Prehnite, Pyrite, Pyrrhotite, Quartz (rose and smoky), Riebeckite (Crocidolite), Rutile, Scheelite, Siderite, Sphalerite, Spinel, Stilbite, Sulphur, Talc (Steatite), Thomsonite-Ca, Titanite, Tremolite, Vermiculite, Zircon. Brewster. Town of Southeast.

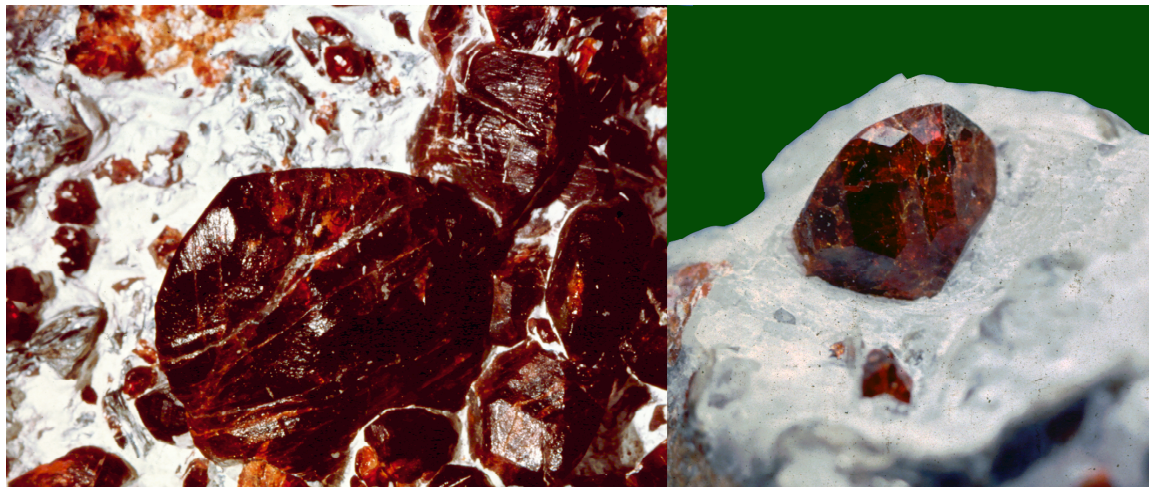
GPS: (41°24'45"N, 73°38'32"W)

References: Smock, 1889; Whitlock, 1903; Nuwer, 1971; Nightingale, 2001; Robinson & Chamberlain, 2007a,b



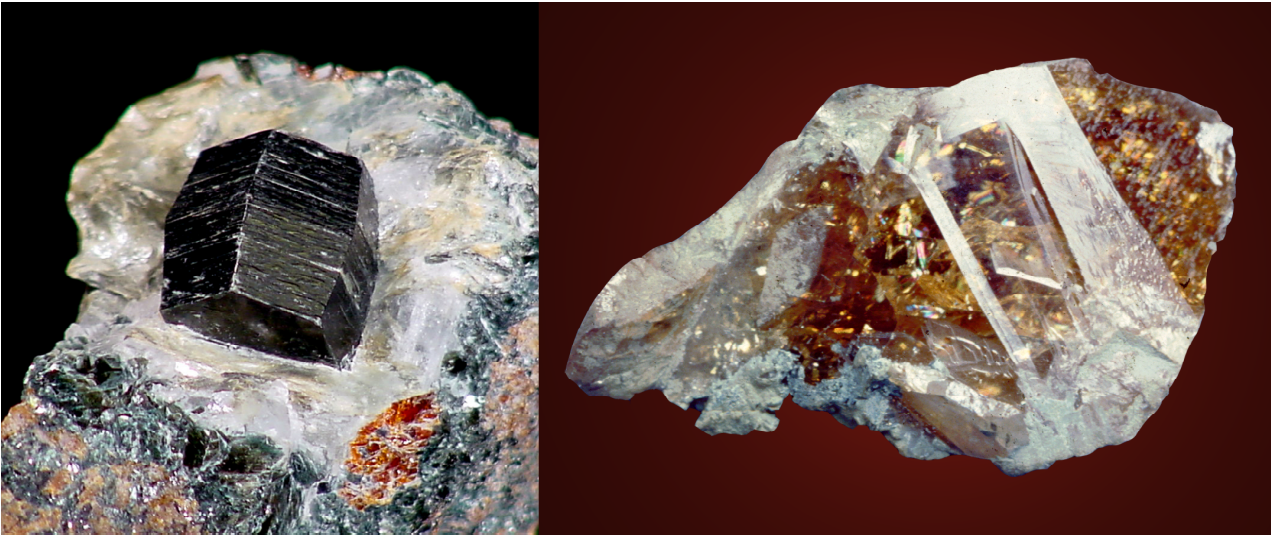
(L) Brucite. Tilly Foster Mine. 10 cm. Harvard 96453. GWR photo.

(R) Chondrodite. Tilly Foster Mine. 1-cm xl. Harvard specimen. GWR photo.



(L) Chondrodite. Tilly Foster Mine. 15-cm fov. AMNH12052. HS photo.

(R) Chondrodite. Tilly Foster Mine. 2-cm xl. Harvard specimen. GWR photo.

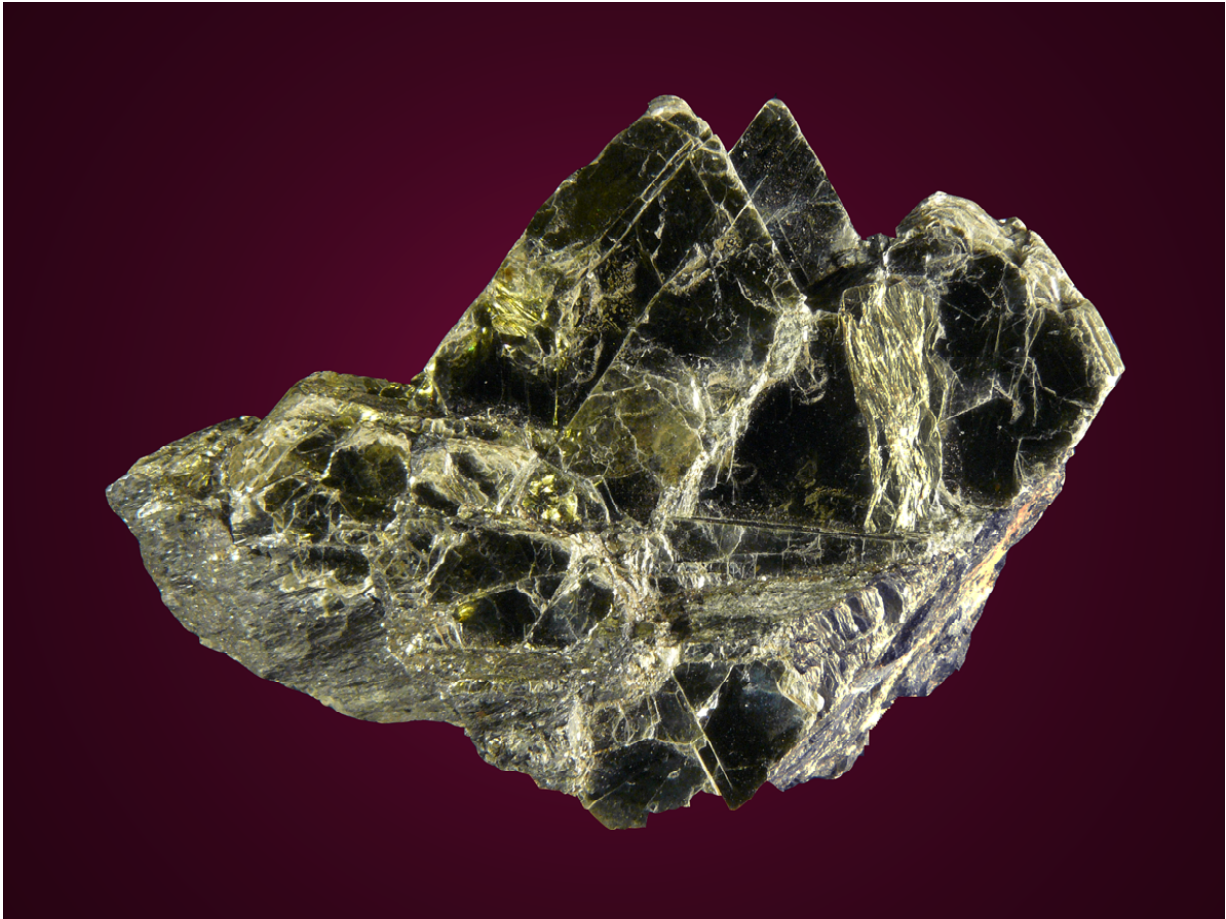


(L) Clinocllore. Tilly Foster Mine. 1.8-cm xl. Harvard specimen. MVL photo.  
 (R) Titanite. Tilly Foster Mine. 4.5 cm. Harvard specimen. GWR photo.



Titanite. Tilly Foster Mine. 7 cm. NYSM specimen. SN photo.

- 2) Mahopac Mine (C). *Minerals*: Actinolite, Apatite, Calcite, Chalcopyrite, Chondrodite, Chrysotile, Clinocllore, Clinohumite, Clinozoisite, Dolomite, Epidote, Hornblende, Magnetite, Olivine, Phlogopite, Pyrite, Pyroxene, Pyrrhotite, Quartz, Scapolite, Spinel, Talc, Titanite, Tourmaline. West of Lake Mahopac, Carmel. Town of Carmel.  
 GPS: (41°23'48"N, 73°45'39"W)  
*References*: Smock, 1889; Whitlock, 1903; Manchester, 1931



Clinocllore. Mahopac Mine. 8.3 cm. SCC17933 and photo.

- 3) Philips Mine (Philips Ore Bed, Philips Pyrite Mine, Anthony's Nose Pyrrhotite Mine) (C, F). *Minerals:* Actinolite, Albite (Oligoclase), Anorthite (Labradorite), Aragonite, Arsenopyrite, Augite, Barite, Biotite, Brucite, Calcite, Chalcopyrite, Copiapite, Edenite, Epidote, Fluorapatite, Goethite, Gypsum (Selenite), Hematite, Langite, Lepidocrocite, Magnesio-hornblende, Magnetite, Melanterite, Microcline, Opal (Opal-AN), Pentlandite, Pyrite, Pyroxene, Pyrrhotite, Quartz (milky and smoky), Serpentine, Titanite, Uraninite. Anthony's Nose. Town of Philipstown.  
GPS: (41°19'10"N, 73°58'41"W)  
*References:* Whitlock, 1903; Manchester, 1931; Robinson & Chamberlain, 2007b
- 4) Hustis Quarry (C). *Minerals:* Amianthus, Dolomite, Epidote, Scapolite, Serpentine, Titanite, Tremolite. 4 miles northeast of Cold Spring. Town of Philipstown.  
GPS: (41°28'N, 73°54'W)  
*References:* Dana, 1898; Whitlock, 1903; Manchester, 1931
- 5) Bradley Mine (C). *Minerals:* Calcite, Diopside, Magnetite, Muscovite (Sericitic), Scapolite. Harriman State Park. Town of Putnam Valley.  
GPS: (41°24'28"N, 73°47'24"W)  
*Reference:* Kalczynski et al., 2009

### **Localities without GPS coordinates (not shown on map)**

Actinolite Locality (C). *Minerals:* Actinolite (in gneiss). 2 miles northeast of Carmel. Town of Kent.  
*Reference:* Whitlock, 1903

Brown's Quarry (C). *Minerals:* Anthophyllite (in radiating xls), Arsenopyrite, Epidote, Serpentine. 4 miles northwest of Carmel. Town of Kent.  
*Reference:* Whitlock, 1903



Castle Rock (C). *Minerals*: Amianthus (silky), Augite, Diopside (Diallage), Laumontite, Serpentine, Stilbite. 3.5 miles south of Garrison. Town of Philipstown.

*References*: Whitlock, 1903; Manchester, 1931

Cold Spring Occurrences (C). *Minerals*: Actinolite, Axinite. Railroad Cuts in the Village of Cold Spring. Town of Philipstown.

*Reference*: Unpublished



Axinite. Railroad Cut in Cold Spring. 2.5 cm xl group. Harvard 37811. SCC photo.

Constitution Island (C). *Minerals*: Magnetite, Molybdenite. Hudson River. Town of Philipstown.

*References*: Whitlock, 1903; Manchester, 1931

Croft Mine (C). *Minerals*: Actinolite, Amphibole, Chlorite, Epidote, Feldspar, Garnet, Magnetite, Pyroxene, Quartz, Scapolite, Zoisite. Putnam Valley. Town of Putnam Valley.

*References*: Smock, 1889; Manchester, 1931

Croton Mines (Theal, McCollum) (C). *Minerals*: Biotite, Chalcopyrite, Fluorapatite, Ilmenite, Magnetite, Pyrite, Pyrrhotite, Titanite. 2 ½ miles southwest of Brewster. Town of Southeast.

*Reference*: Smock, 1889

Epidote Locality (C). *Minerals*: Epidote (translucent xls and massive). 2 miles south of Carmel. Town of Carmel.

*Reference*: Whitlock, 1903

Peckham Quarry (C). *Minerals*: Sepiolite (Mountain Leather). Rte. 311, Patterson. Town of Patterson.

*Reference*: Whitlock, 1903

Philips Ore Bed (C). *Minerals*: Actinolite, Opal (Hyalite), Pyrite. Town of Putnam Valley

*References*: Dana, 1898; Manchester, 1931

Philipstown (C). *Minerals*: Amianthus, Amphibole, Calcite, Chromite, Diopside (Coccolite), Dolomite (Gurhofite), Laumontite, Magnetite, Mica, Scapolite, Serpentine, Stilbite, Titanite, Tremolite. Town of Philipstown.

*Reference*: Dana, 1898

Pine Pond (C, F). *Minerals*: Anthophyllite, Arsenopyrite, Epidote, Pyrite, Scorodite. North of Carmel, Town of Kent.

*References*: Dana, 1898; Robinson & Chamberlain, 2007b

Stewart (Sunk) Mine ©. *Minerals*: Magnetite. 7 miles east of Cold Spring. Town of Philipstown.

*Reference*: Smock, 1889

Todd (Denny and Todd) Mine (C). *Minerals*: Calcite, Chromite, Magnetite, Titanite. Todd mine, Philipstown. Town of Philipstown.

*References*: Smock, 1889; Whitlock, 1903; Manchester, 1931

Towner Occurrence (C). *Minerals*: Amphibole, Calcite, Dolomite, Pyrite, Pyroxene. 1 mile west of Towner. Town of Patterson.

*Reference*: Whitlock, 1903

Tuckahoe and Patterson Marble Co., Knapp's Peckham Quarries (C). *Minerals*: Calcite, Chrysotile (Asbestos), Dolomite, Pyrite, Pyroxene, Tremolite. Town of Patterson.

*Reference*: Dana, 1898

# Queens County



*NB:* Queens County has no designated county seat.

### Localities with GPS coordinates (shown on map)

- 1) Queens Tunnel #3 (F). *Minerals:* Calcite, Pyrite, Stilbite. 700' level, Station 167, Queens Tunnel. NYC Water Tunnel #3, Woodside, Queens.  
GPS: (40°45'12"N, 73°54'34"W)  
*Reference:* Betts, 2009



Stilbite, Pyrite, Calcite. Queens Tunnel #3 (Woodside). 10 cm. JB specimen and photo.

- 2) Calvary Cemetery (F). *Minerals:* Calcite. Calvary Cemetery near I-278 and I-495 intersection. Queens.  
GPS: (40°44'23"N, 73°55'51"W)  
*Reference:* Betts, 2009

### Localities without GPS coordinates (not shown on map)

LaGuardia Airport Excavations (C). *Minerals:* Quartz (smoky scepters). Excavations for LaGuardia Airport dumped in Flushing Bay.  
*Reference:* Betts, 2009

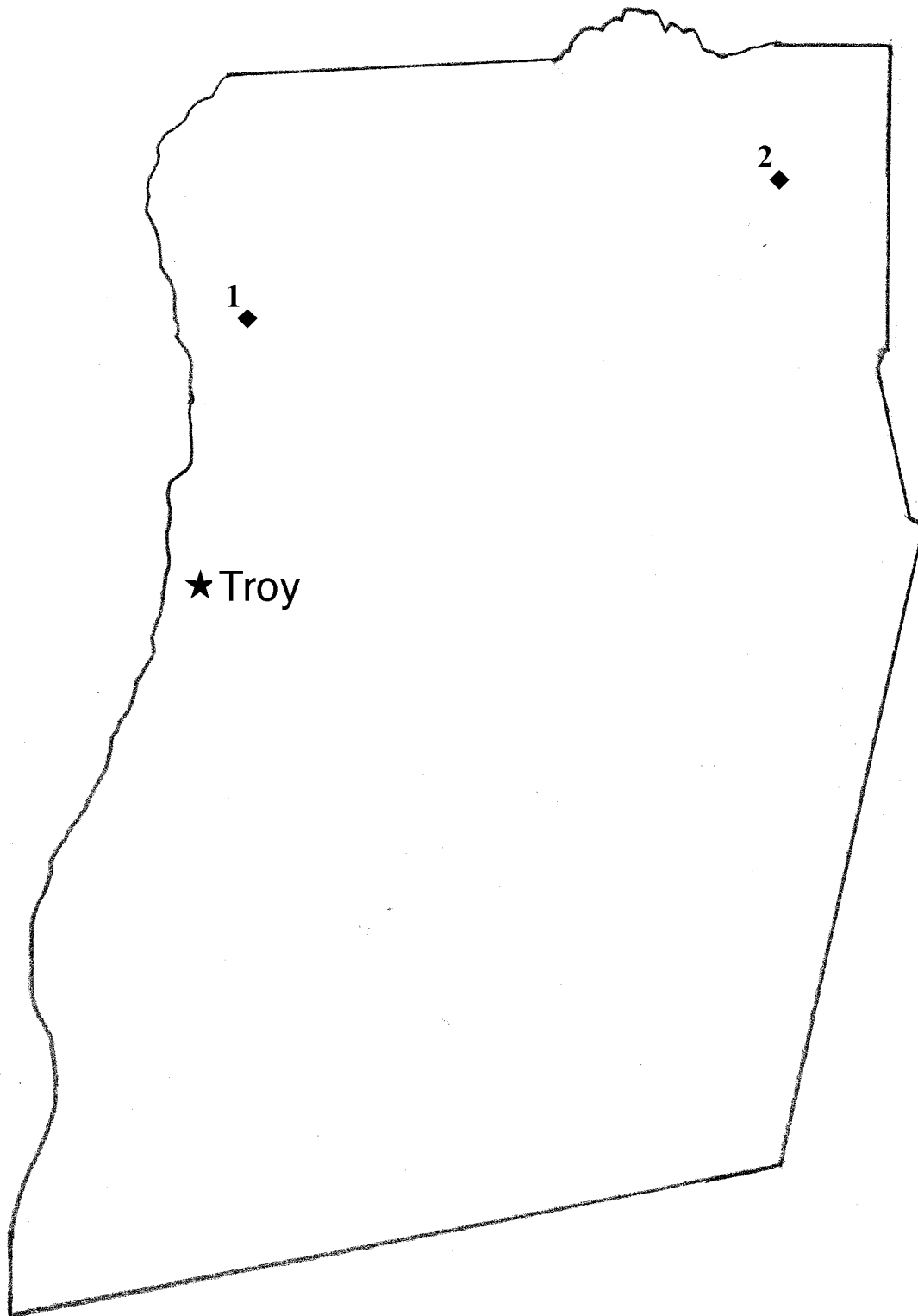
Laumontite Locality (F). *Minerals:* Laumontite. Harold Avenue, Long Island City.  
*Reference:* Betts, 2009

Water Tunnels No. 2 and 3 (F). *Minerals:* Heulandite-(Ca) (brown), Pyrite, Stilbite. Queens.  
*Reference:* Betts, 2009



Stilbite. Water Tunnels No. 2 or No. 3. Queens. 8.0 cm. SCC15041 and photo.

# *Rensselaer County*



### Localities with GPS coordinates (shown on map)

- 1) Tomhannock Creek Meteorite (E) found ca. 1863. *Minerals*: Chromite, Enstatite (Bronzite), Ilmenite, Iron (Kamacite), Olivine, Taenite, Troilite. Olivine-bronzite H5 chondrite. Ironhannock Creek.  
GPS: (42°52'59"N, 73°35'59"W)  
*Reference*: Robinson & Chamberlain, 2007b
- 2) Quartz Locality (F). *Minerals*: Quartz. Hoosick Falls. Town of Hoosick.  
GPS: (42°54'05"N, 73°21'05"W)  
*Reference*: Unpublished

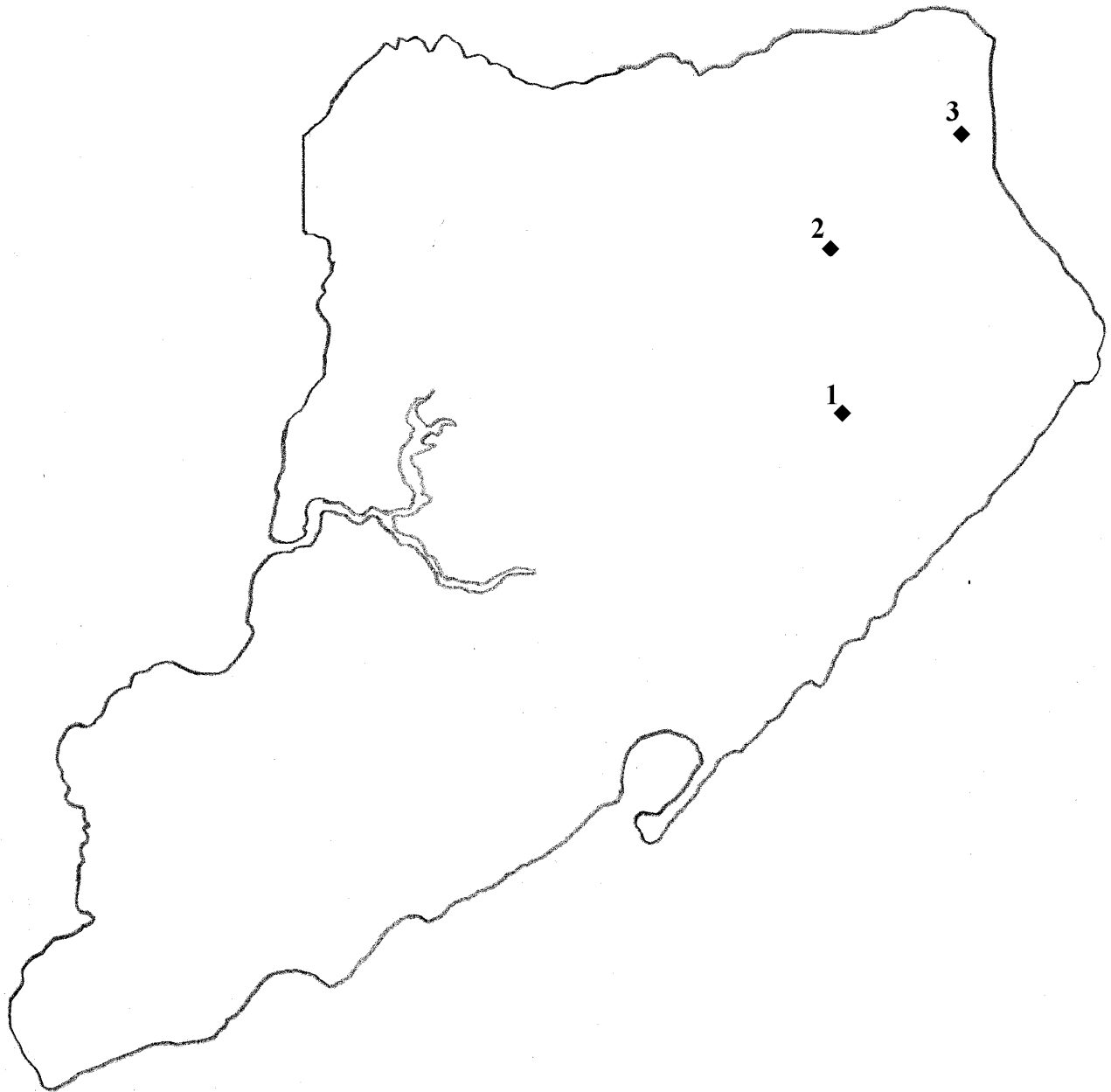


Quartz. Hoosick Falls. 6.3 cm. SCC7260 and photo.

### Localities without GPS coordinates (not shown on map)

- I-90 Road Cut (F). *Minerals*: Quartz (Chlorite inclusions). Schodack. Town of Schodack.  
*Reference*: Robinson & Chamberlain, 2007b
- Lansingburg Quartz Locality (S). *Minerals*: Quartz (doubly-terminated xls). Town of Brunswick.  
*Reference*: Whitlock, 1903
- South Troy Quartz Locality (S). *Minerals*: Quartz (doubly terminated xls). Town of Brunswick.  
*Reference*: Whitlock, 1903

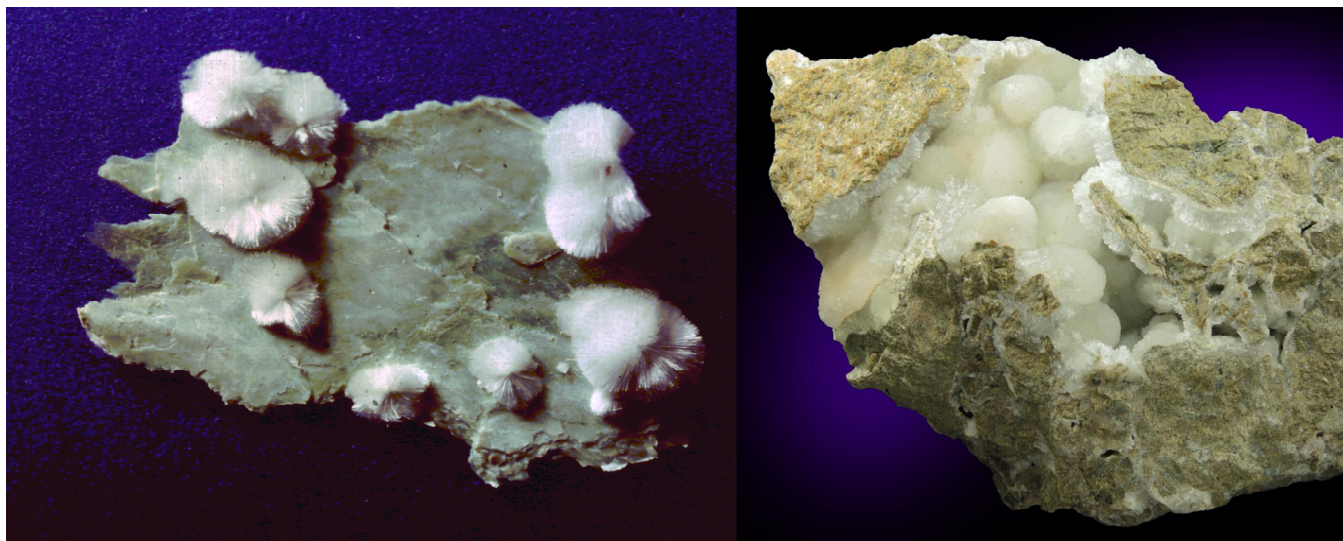
# *Richmond County*



*NB:* Richmond County has no designated county seat.

## Localities with GPS coordinates (shown on map)

- 1) Spring Street Exposures at Medford Road (C, F). *Minerals*: Artinite, Hydromagnesite, Lizardite. Staten Island.  
GPS: (40°36'13"N, 74°05'45"W)  
*Reference*: Betts, 2009



(L) Artinite, Lizardite. Spring Street Exposures. 7 cm. SCC12177 and photo.  
(R) Hydromagnesite. Spring Street Exposures. 8 cm. JB357 and photo.

- 2) Grymes Hill (Signal Hill) (C, F). *Minerals*: Chromite, Goethite, Hydromagnesite, Lizardite, Talc. Staten Island.  
GPS: (40°36'42"N, 74°05'42"W)  
*Reference*: Robinson & Chamberlain, 2007b



(L) Goethite. Grymes Hill. 17 cm. John Betts Collection and photo.  
(R) Goethite. Grymes Hill. 7 cm. Staten Island Museum specimen. JB photo.

- 3) Swan Street Locality (C). *Minerals*: Anthophyllite. Staten Island.  
GPS: (40°38'05"N, 74°04'48"W)  
*Reference*: Robinson & Chamberlain, 2007b



## Localities without GPS coordinates (not shown on map)

Clay pits (S, B). *Minerals:* Amber. Kreischerville. Staten Island.  
*References:* Robinson & Chamberlain, 2007a,b

Iron Mines (S, A). *Minerals:* Goethite (oolitic and spongy), Quartz (green and small xls). Iron mines West of Concord and West of Garrisons. Staten Island.  
*Reference:* Whitlock, 1903

Lincoln Avenue Exposures (F). *Minerals:* Clinocllore (lilac), Serpentine, Stichtite. Staten Island.  
*Reference:* Betts, 2009

Lincoln Avenue Quartz Locality (F). *Minerals:* Quartz (spherical clusters). Grant City. Staten Island.  
*Reference:* Betts, 2009

Richmond Aqueduct (C). *Minerals:* Almandine (in schist). Staten Island.  
*Reference:* Betts, 2009

Road Cut on I-278 (F). *Minerals:* Aragonite. Staten Island.  
*Reference:* Betts, 2009



Aragonite. I-278 Road Cut. 9 cm. Staten Island Museum G4049. JB photo.

Road Cut on I-278 (F). *Minerals:* Calcite. East of Slosson Avenue. Staten Island.  
*Reference:* Betts, 2009

Shore of Arthur Kill (S). *Minerals:* Pyrite (xls and nodules in clay). Rossville, on the shore of Arthur Kill. Staten Island.  
*References:* Dana, 1898; Whitlock, 1903

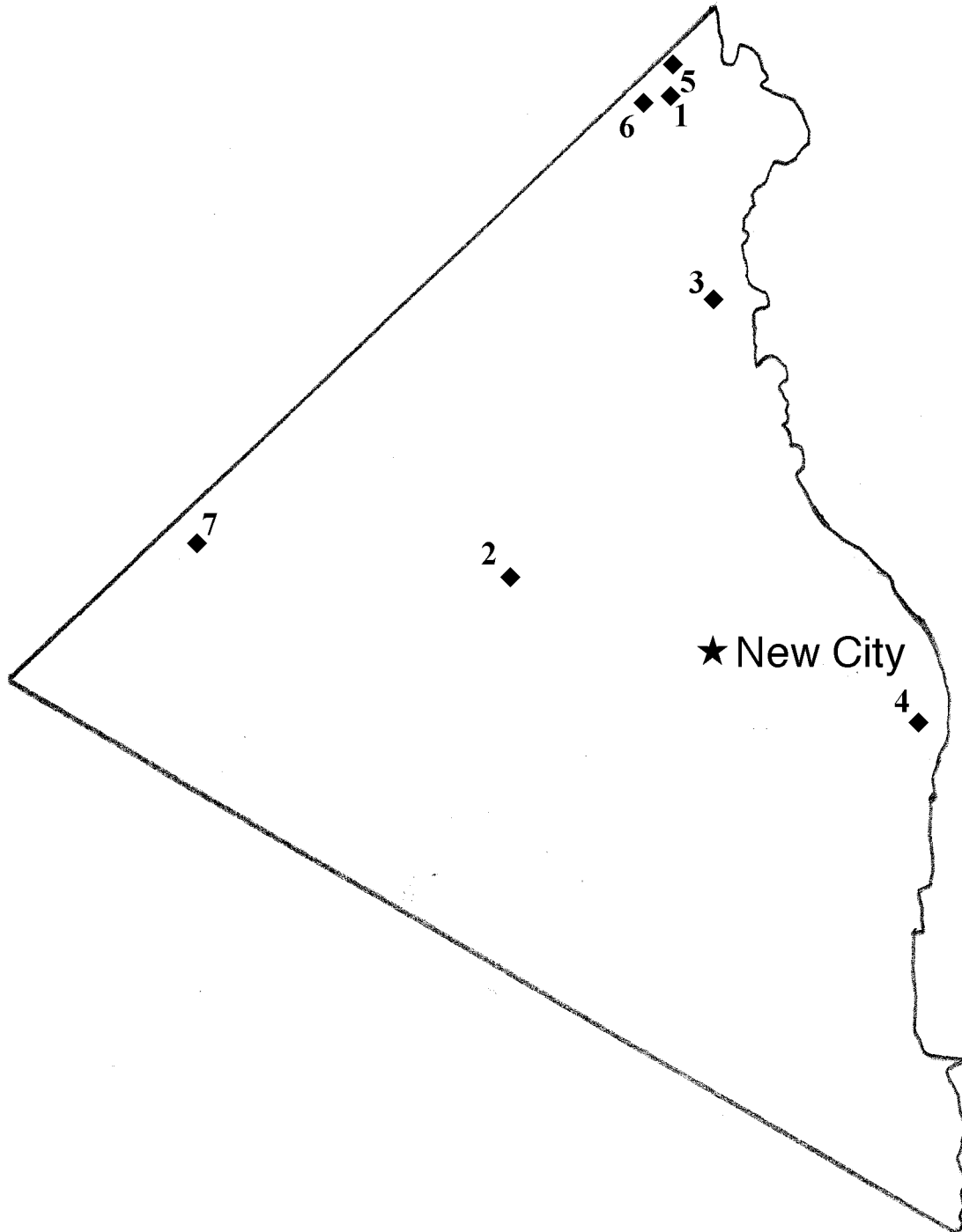
Staten Island Ferry Terminal (C). *Minerals:* Aragonite, Brucite (Amianthus), Chrysotile (Asbestos), Dolomite (Gurhofite), Magnesite, Serpentine, Talc. Northeast of the old quarantine area (present day St. George, immediately south of the Staten Island Ferry terminal). Staten Island.  
*Reference:* Dana, 1898

Staten Island Iron Mines (New Dorp, Towle, Cooper & Hewitt, Tyson's Mines) (S). *Minerals*: Goethite.  
*Reference*: Smock, 1889

Thompsonville (C). *Minerals*: Anhydrite, Aragonite, Brucite (Amianthus), Chromite, Deweylite, Dolomite, Magnesite, Pyrolusite, Serpentine (Asbestos). Thompsonville and southward to New Dorp. Staten Island.  
*Reference*: Whitlock, 1903

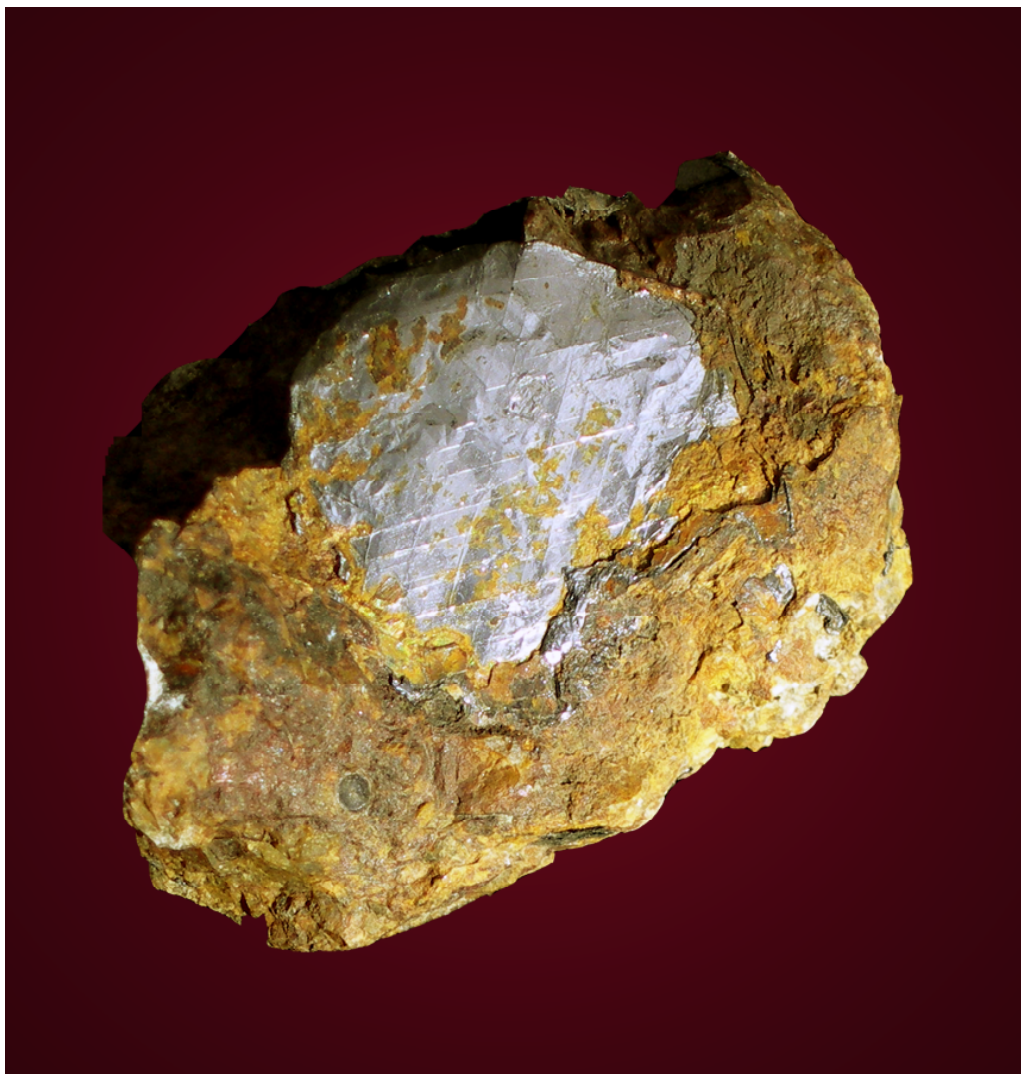
Verrazano-Narrows Bridge Footing (C). *Minerals*: Almandine (in schist). Staten Island.  
*Reference*: Betts, 2009

# *Rockland County*



## Localities with GPS coordinates (shown on map)

- 1) Beechy Bottom Mine (C). *Minerals*: Biotite, Graphite, Feldspar, Magnesian-hornblende, Phlogopite. Town of Woodbury.  
GPS: (41°18'10"N, 74°02'24"W)  
*References*: Robinson & Chamberlain, 2007b; Jaszczak et al., 2009



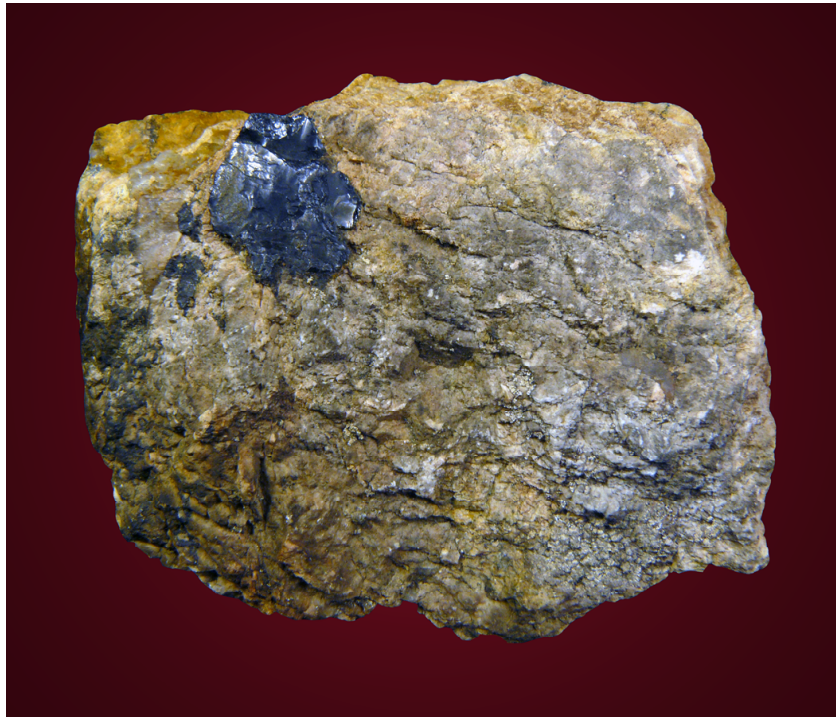
Graphite. Beechy Bottom Mine. 4 cm. SCC18008 and photo.

- 2) Ladentown (C, A). *Minerals*: Cuprite, Malachite, Zircon. Town of Ramapo.  
GPS: (41°10'06"N, 74°04'42"W)  
*Reference*: Dana, 1898
- 3) Tompkins (Tomkins) Cove Quarry (S). *Minerals*: Barite, Calcite, Chalcopyrite, Dolomite, Graphite, Pyrite, Quartz. Stony Point.  
Town of Woodbury.  
GPS: (41°14'48"N, 73°58'56"W)  
*References*: Whitlock, 1903; Manchester, 1931
- 4) Rockland Lake Landing (C). *Minerals*: Apophyllite, Calcite, Hematite, Natrolite, Pectolite, Prehnite, Stilbite. Town of Haverstraw.  
GPS: (41°08'18"N, 73°55'21"W)  
*Reference*: Manchester, 1931
- 5) Cranberry Mine (C). *Minerals*: Amphibole, Feldspar, Magnetite, Pyrite, Quartz. Harriman State Park.  
GPS: (41°18'06"N, 74°03'05"W)  
*Reference*: Lenik, 1999

- 6) Hasenclever Mine (C). *Minerals*: Biotite, Goethite, Hastingsite, Magnesio-hastingsite, Magnetite, Microcline, Pyrite, Pyrrhotite, Quartz, Zircon. Harriman State Park.  
GPS: (41°15'04"N, 74°04'59"W)  
*Reference*: Lenik, 1999
- 7) Daters Mine (C). *Minerals*: Actinolite, Epidote, Hastingsite, Magnetite, Pentlandite, Phlogopite, Pyrosmalite-(Fe). Town of Ramapo.  
GPS: (41°11'04"N, 74°10'32"W)  
*Reference*: Lupulescu, 2008

### Localities without GPS coordinates (not on map)

Behring Mine (C). *Minerals*: Davidite, Feldspar. Sloatsburg, Harriman State Park. Town of Ramapo.  
*Reference*: Unpublished



Davidite. Behring Mine. 8 cm. SCC11652 and photo.

Dunderberg Mine (C). *Minerals*: Magnetite, Pyrite. North side of Dunderberg Mountain, Stony Point. Town of Stony Point.  
*References*: Smock, 1889; Whitlock, 1903; Manchester, 1931

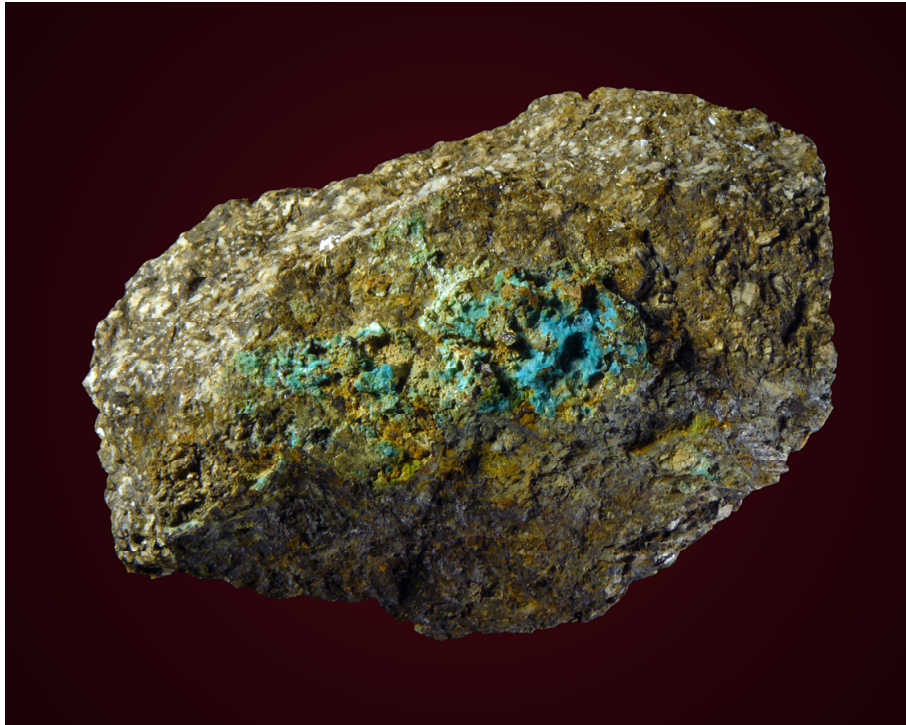
Erie Railroad Excavations (C). *Minerals*: Apophyllite, Calcite, Chabazite, Datolite, Pectolite, Prehnite, Stilbite, Thomsonite, Tourmaline, Vesuvianite. Piermont. Town of Orangetown.  
*References*: Dana, 1898; Whitlock, 1903; Manchester, 1931

Grassy Point (C). *Minerals*: Actinolite, Epidote, Orthoclase. 2.5 miles northwest of Grassy Point. Town of Stony Point.  
*Reference*: Whitlock, 1903

Haverstraw (C). *Minerals*: Calcite, Harmotome, Hornblende, Pectolite. Town of Haverstraw.  
*Reference*: Manchester, 1931

Iona Island (C). *Minerals*: Meionite, Titanite. Town of Stony Point.  
*Reference*: Robinson & Chamberlain, 2007b

Lone Star Industries Clinton Point Quarry (F, A). *Minerals*: Chrysocolla. West Nyack. Town of Clarkstown.  
*Reference*: Unpublished



Chrysocolla. Lone Star Industries Clinton Point Quarry. 10.5 cm. SCC12435 and photo.

North Shore of Stony Point (C). *Minerals*: Actinolite, Augite, Chrysotile, Epidote, Garnet, Hornblende, Magnetite, Orthoclase, Pyrite, Staurolite, Titanite, Zoisite. Town of Stony Point.

*References*: Whitlock, 1903; Manchester, 1931

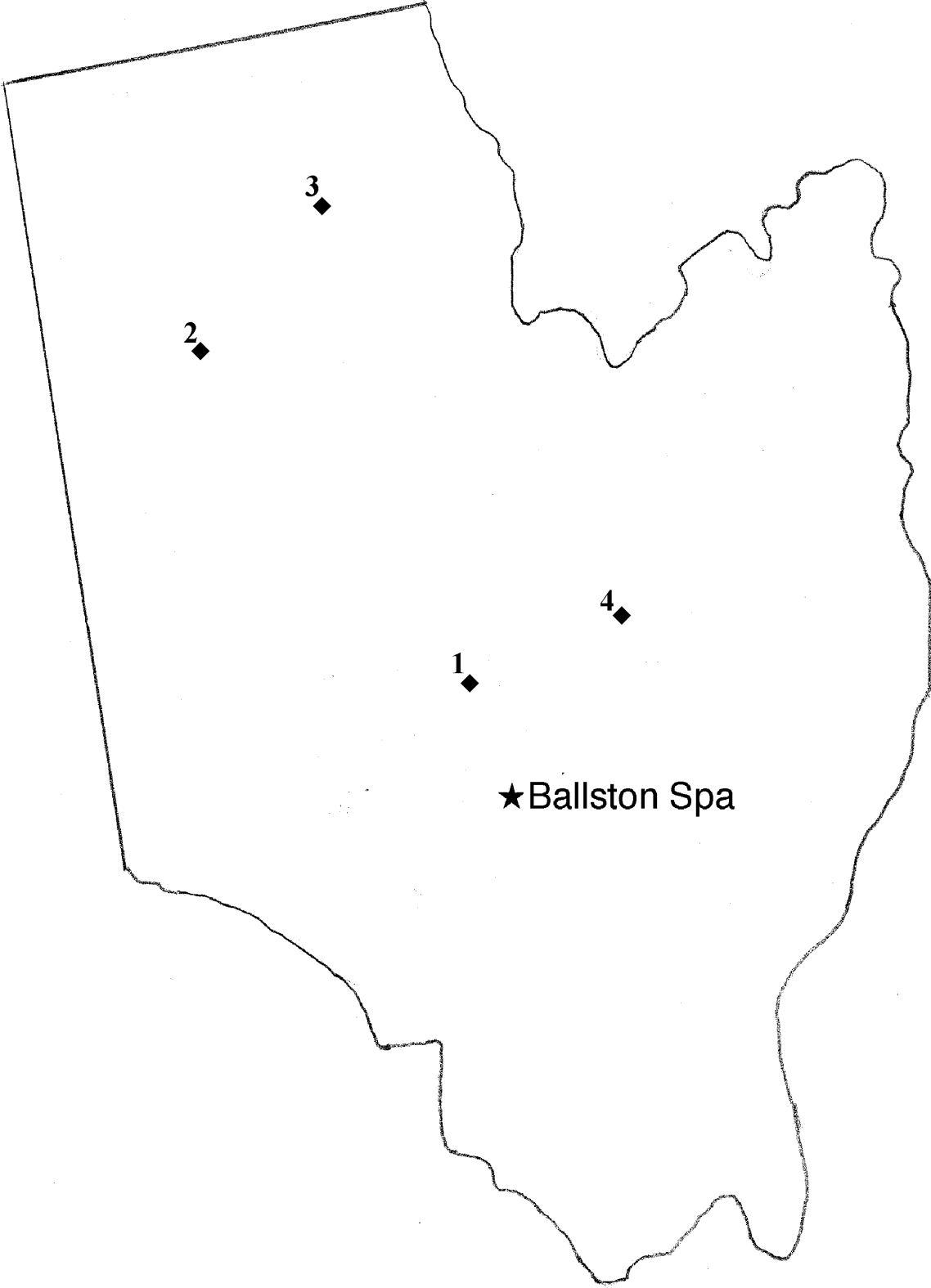
Nyack (F). *Minerals*: Pectolite, Prehnite, Stilbite. Town of Orangetown.

*Reference*: Robinson & Chamberlain, 2007b

Tappan (F). *Minerals*: Calcite, Chalcopyrite, Datolite, Natrolite, Stilbite, Thomsonite. Town of Orangetown.

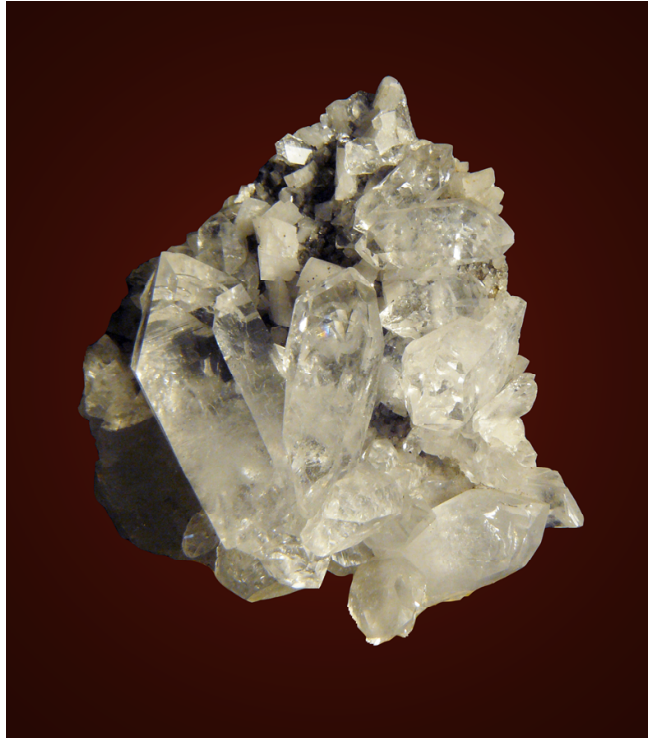
*Reference*: Manchester, 1931

# *Saratoga County*



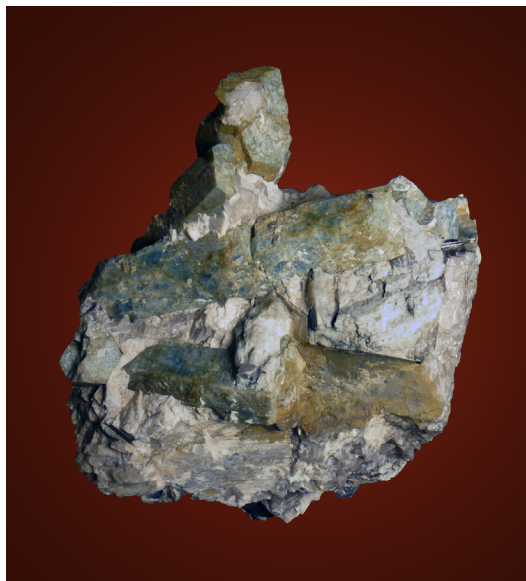
### Localities with GPS coordinates (shown on map)

- 1) Gailor Quarry (S). *Minerals*: Quartz, Dolomite, Sphalerite. Saratoga Springs. Town of Saratoga.  
GPS: (43°04'59"N, 73°47'00"W)  
*References*: Robinson & Chamberlain, 2007b; Walter, 2014



Quartz. Gailor Quarry. 3.9 cm. SCC23435 and photo.

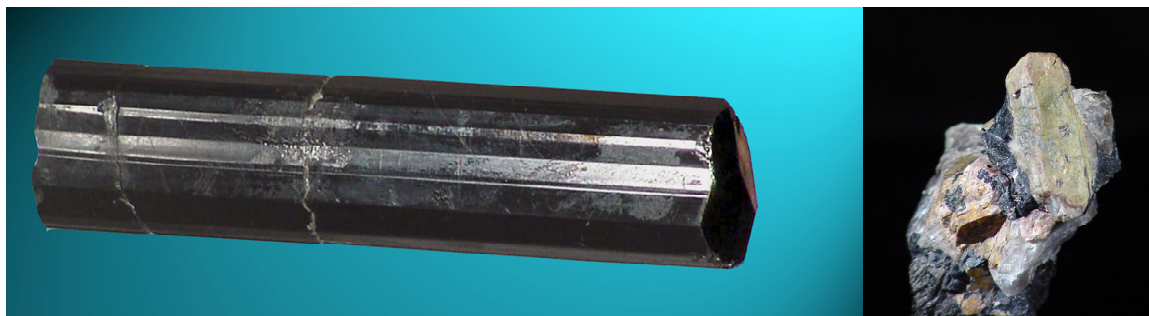
- 2) Clapska Mining Company Quarry (C). *Minerals*: Beryl, Chrysoberyl, Dumortierite, Microcline, Muscovite, Quartz (rose and smoky), Sillimanite. Batchellerville. Town of Edinburg.  
GPS: (43°14'21"N, 74°03'34"W)  
*References*: Robinson & Chamberlain, 2007a,b; Bailey et al., 2019



Beryl. Clapska Mining Company Quarry. 22 cm. SCC43316 and photo.



- 3) Overlook (Atlas Feldspar) Quarry (C). *Minerals*: Albite, Biotite, Euxenite-(Y), Fergusonite-(Y), Fluorapatite, Microcline, Monazite-(Ce), Quartz (rose and smoky), Opal (Hyalite), Schorl, Thorite (Uranothorite), Uraninite, Uranopolycrase, Zircon (Cyrtolite). Overlook. Town of Day.  
GPS: (43°17'30"N, 73°56'45"W)  
*References*: Robinson & Chamberlain, 2007a,b; Chamberlain & Robinson, 2013

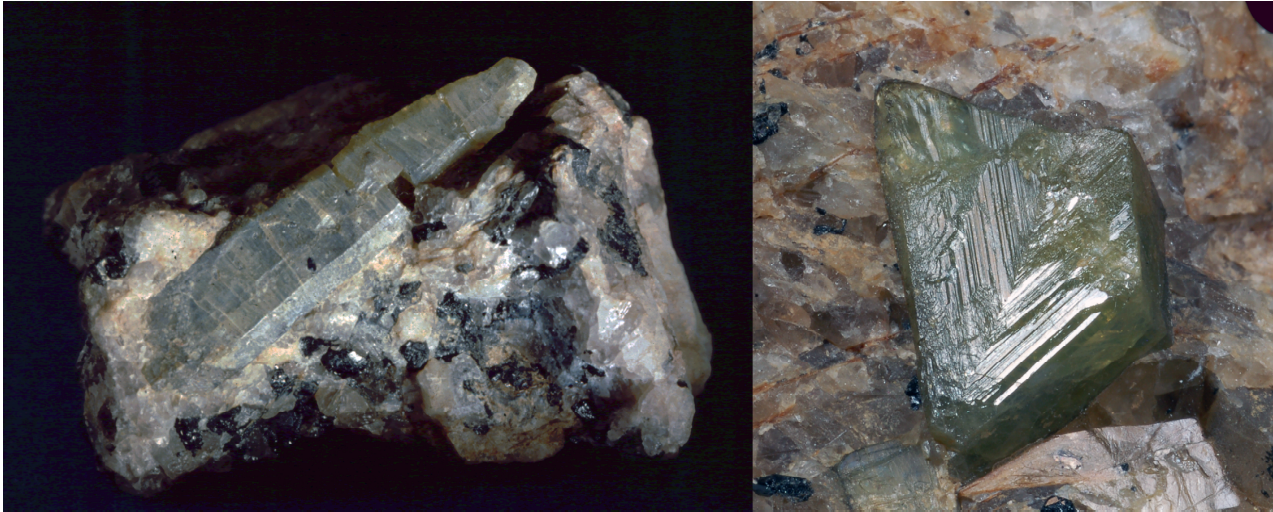


(L) Schorl. Overlook Quarry. 13.6 cm. SCC6323 and photo.  
(R) Uranopolycrase. Overlook Quarry. 2.5 cm. NYSM specimen. ML photo.



Schorl. Overlook Quarry. 15.5 cm. SCC6323 and photo.

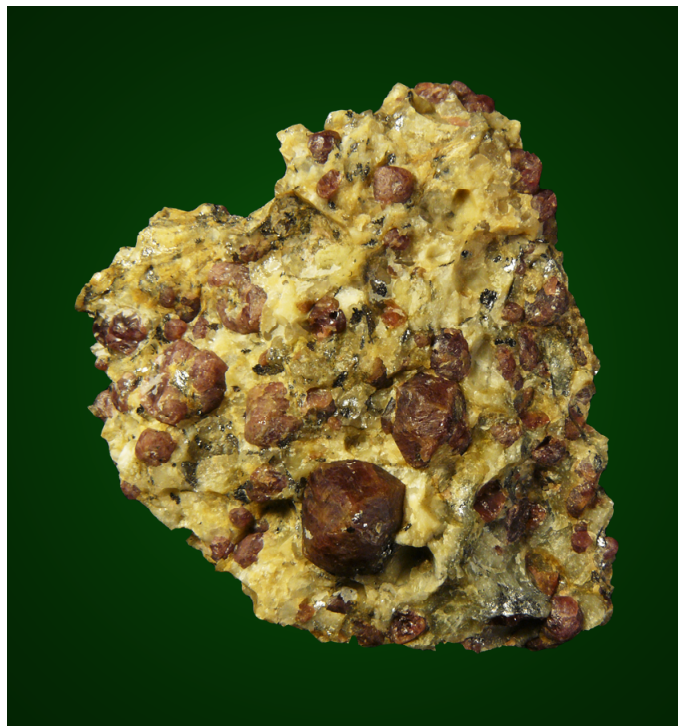
- 4) Chrysoberyl Pegmatite (C). *Minerals*: Almandine, Apatite, Chrysoberyl, Columbite, Garnet, Graphite, Muscovite, Orthoclase, Quartz, Schorl, Sillimanite. Greenfield. Town of Greenfield.  
GPS: (43°06'30"N, 73°46'53"W)  
*References*: Robinson, 1825; Whitlock, 1903; Robinson & Chamberlain, 2007b; Chamberlain & Robinson, 2013



(L) Chrysoberyl (untwinned). Chrysoberyl Pegmatite. 3.8-cm xl. CMN specimen. GWR photo.  
(R) Chrysoberyl (twinned). Chrysoberyl Pegmatite. 1.5-cm xl. CMN specimen. SN photo.

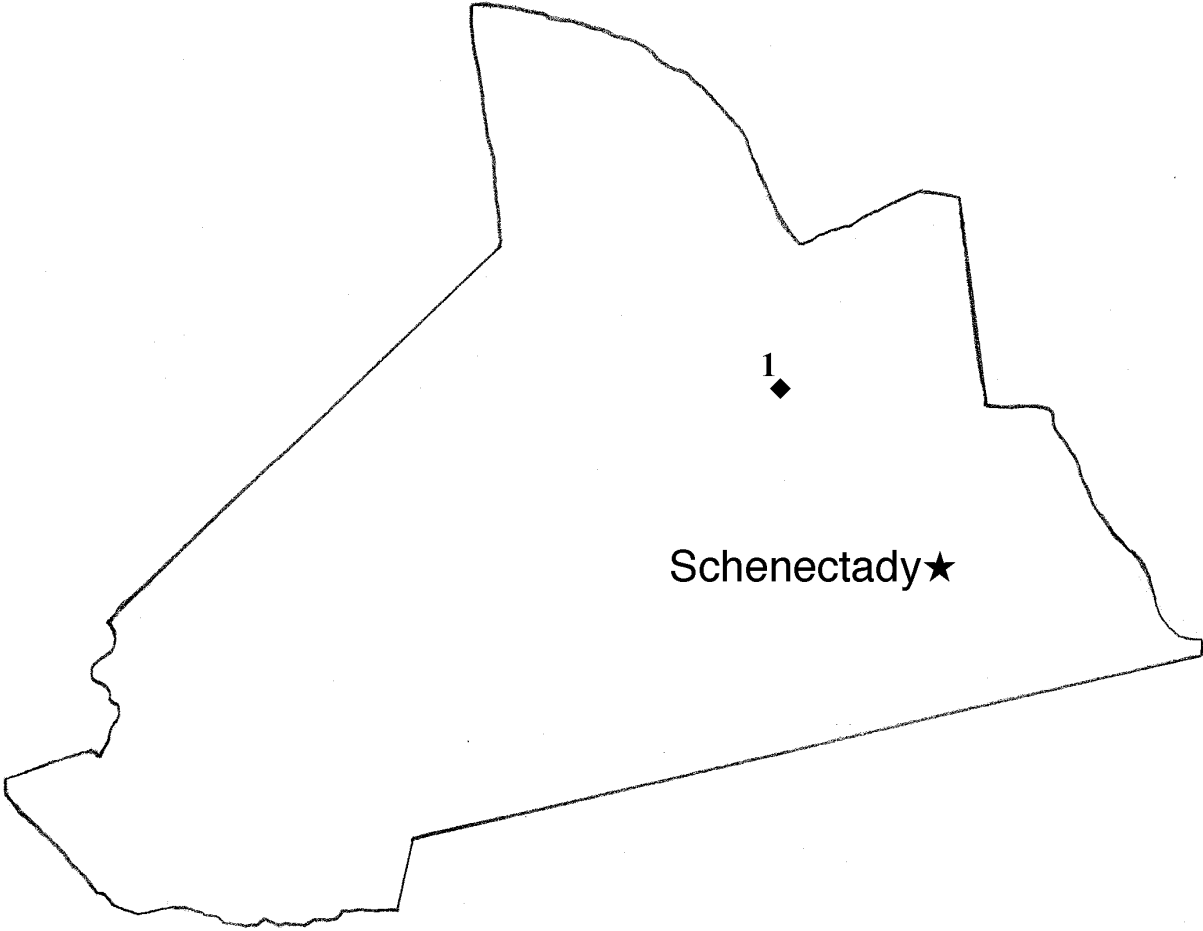
### Localities without GPS coordinates (not shown on map)

Saratoga (C). *Minerals*: Calcite, Graphite, Pyrope-Almandine. Town of Saratoga  
*Reference*: Unpublished



Pyrope-Almandine. Saratoga. 6.6 cm. SCC14617 and photo.

# *Schenectady County*



### Localities with GPS coordinates (shown on map)

- 1) Schenectady Meteorite, HY-4 chondrite (E) fell 12 April 1968. *Minerals*: Town of Glenville.  
GPS: (42°51'39"N, 73°57'01"W)  
*Reference*: Robinson & Chamberlain, 2007b

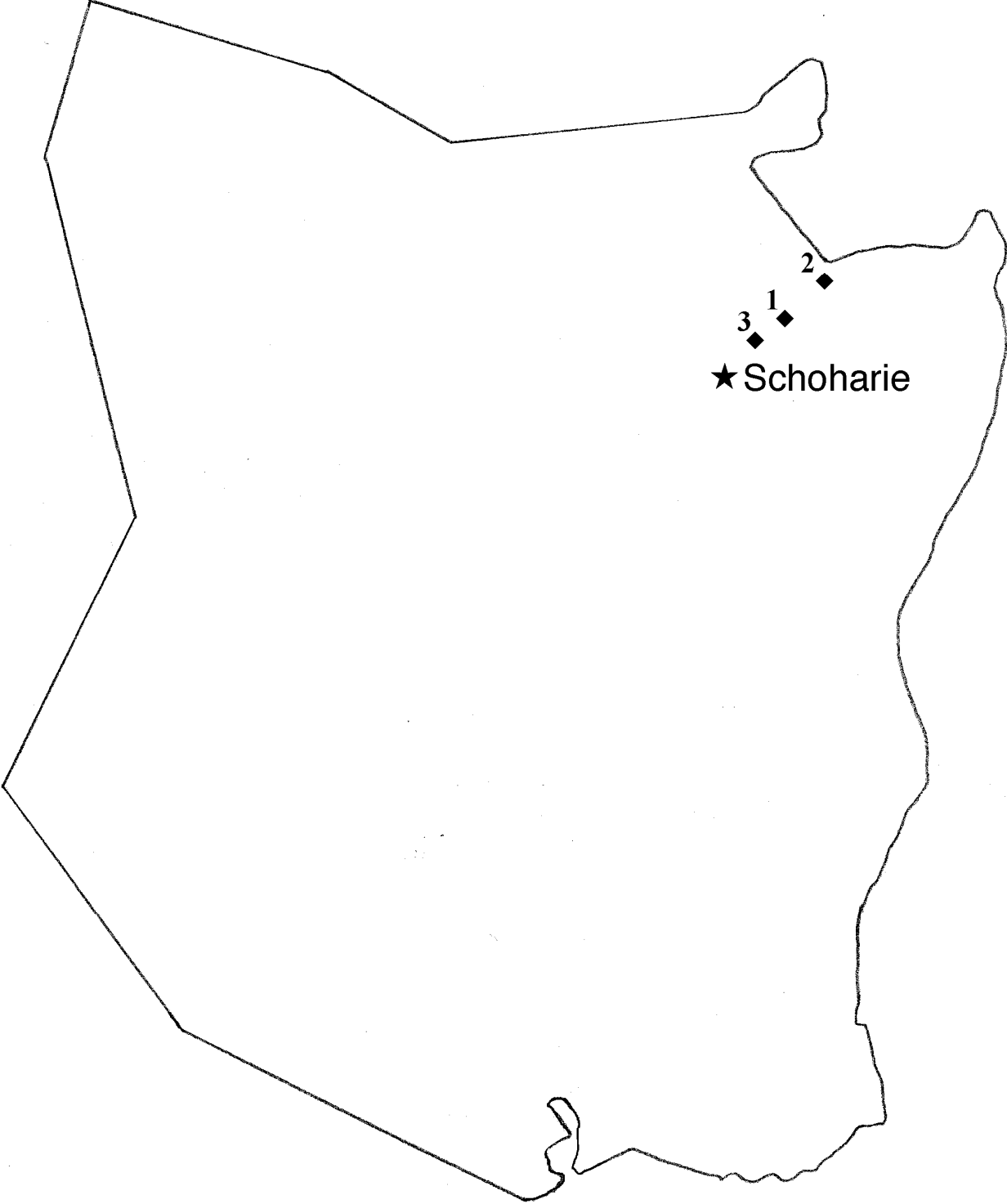
### Localities without GPS coordinates (not shown on map)

Dickershaid Sand/Gravel Quarry (S). *Minerals*: Calcite. Town of Rotterdam.  
*Reference*: Unpublished



Calcite Concretion. Dickershaid Sand/Gravel Quarry. 8.5 cm. NYSM specimen. SN photo.

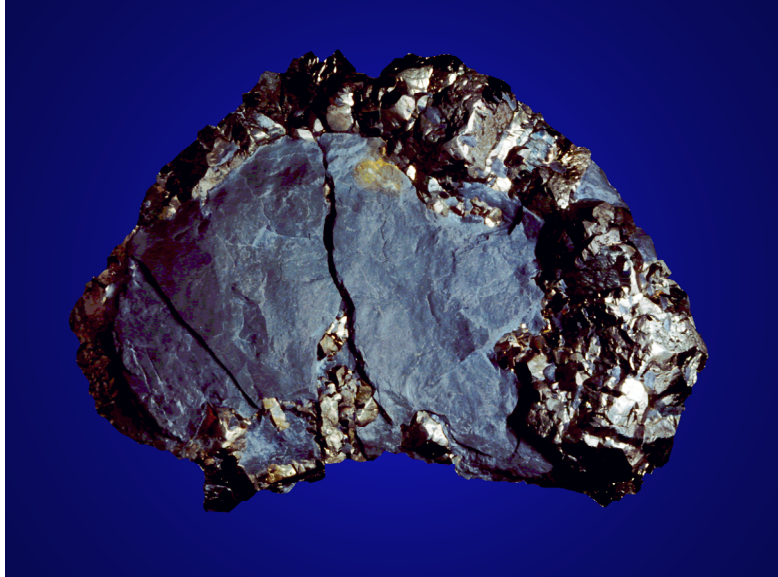
# *Schoharie County*



### Localities with GPS coordinates (shown on map)

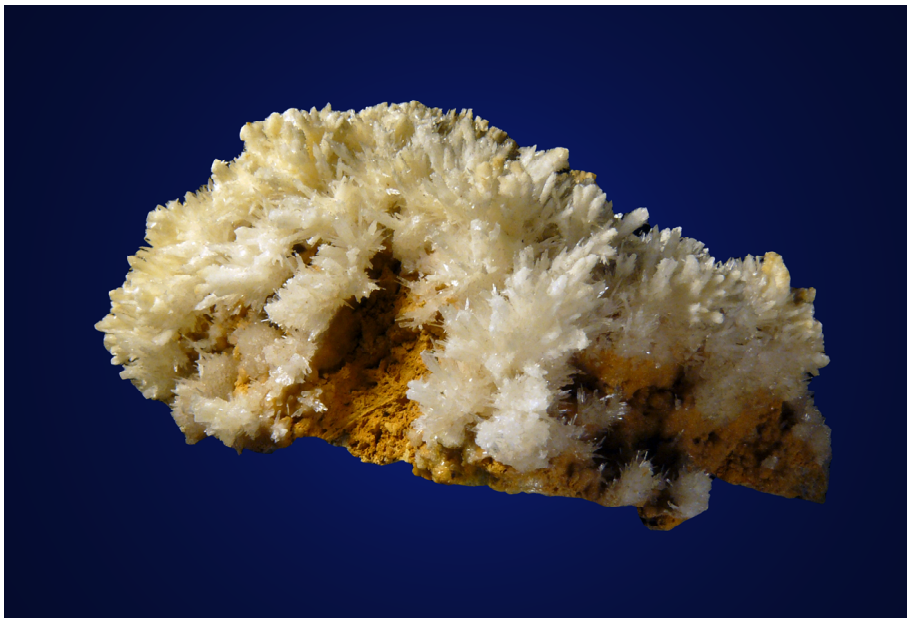
1) Strontianite Mine (F). *Minerals*: Strontianite. Schoharie. Town of Schoharie.  
GPS: (42°41'16" N, 74°16'59"W)  
*Reference*: Robinson & Chamberlain, 2007b

2) I-88 Borrow Pit (S). *Minerals*: Barite, Pyrite. Schoharie. Town of Schoharie.  
GPS: (42°42'51"N, 74°16'16"W)  
*Reference*: Robinson & Chamberlain, 2007b



Pyrite. I-88 Borrow Pit. 14 cm. SCC4953 and photo.

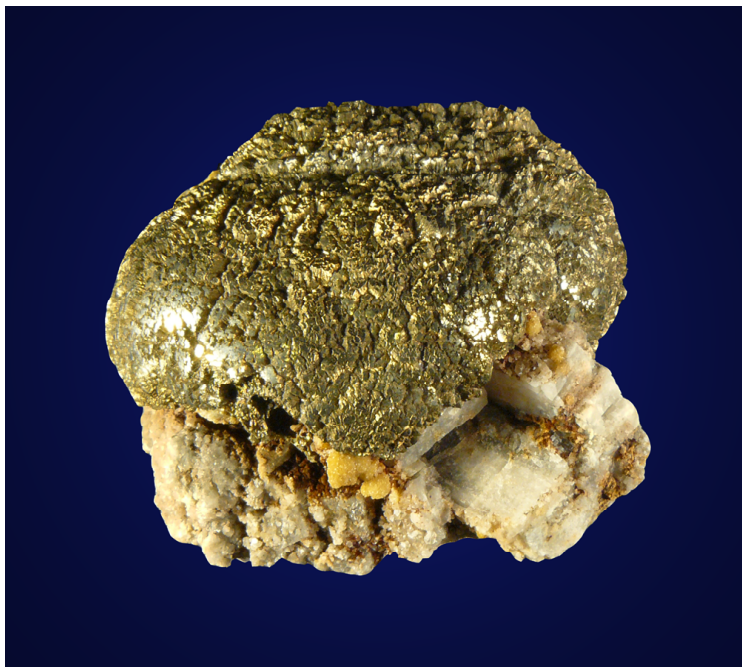
3) Howe Caverns (S, F). *Minerals*: Aragonite, Calcite, Pyrite. Howes Cave. Town of Cobleskill.  
GPS: (42°41'47"N, 74°23'55"W)  
*Reference*: Whitlock, 1903



Calcite. Howe Caverns. 8 cm. SCC15741 and photo.

## Localities without GPS coordinates (not shown on map)

Schoharie Creek Occurrence (S). *Minerals*: Barite, Pyrite. Schoharie. Town of Schoharie.  
*Reference*: Robinson & Chamberlain, 2007b



Pyrite, Calcite. Schoharie Creek Occurrence. 6.7 cm. SCC23002 and photo.

Ball's Cave (Gebhardt's Cavern) (S). *Minerals*: Calcite (stalactites). 4 miles east of Schoharie. Town of Schoharie.  
*Reference*: Dana, 1898

Barite Occurrence (S). *Minerals*: Barite (fibrous), Calcite (fibrous and crystals). Town of Carlisle.  
*Reference*: Dana, 1898

Central Bridge (S). *Minerals*: Barite, Calcite. 2 miles west of Central Bridge. Town of Carlisle ,  
*Reference*: Whitlock, 1903

Courthouse Occurrence (S). *Minerals*: Barite, Celestine, Strontianite. South of Courthouse, Schoharie. Town of Schoharie.  
*Reference*: Whitlock, 1903

Foxes Creek (S). *Minerals*: Aragonite (radiating xls). 3 miles northeast of Schoharie. Town of Schoharie.  
*Reference*: Whitlock, 1903

Gebhardt Farm (S). *Minerals*: Celestine, Pyrite. West Bank of Schoharie Creek, Schoharie Village. Town of Schoharie.  
*Reference*: Newland, 1919

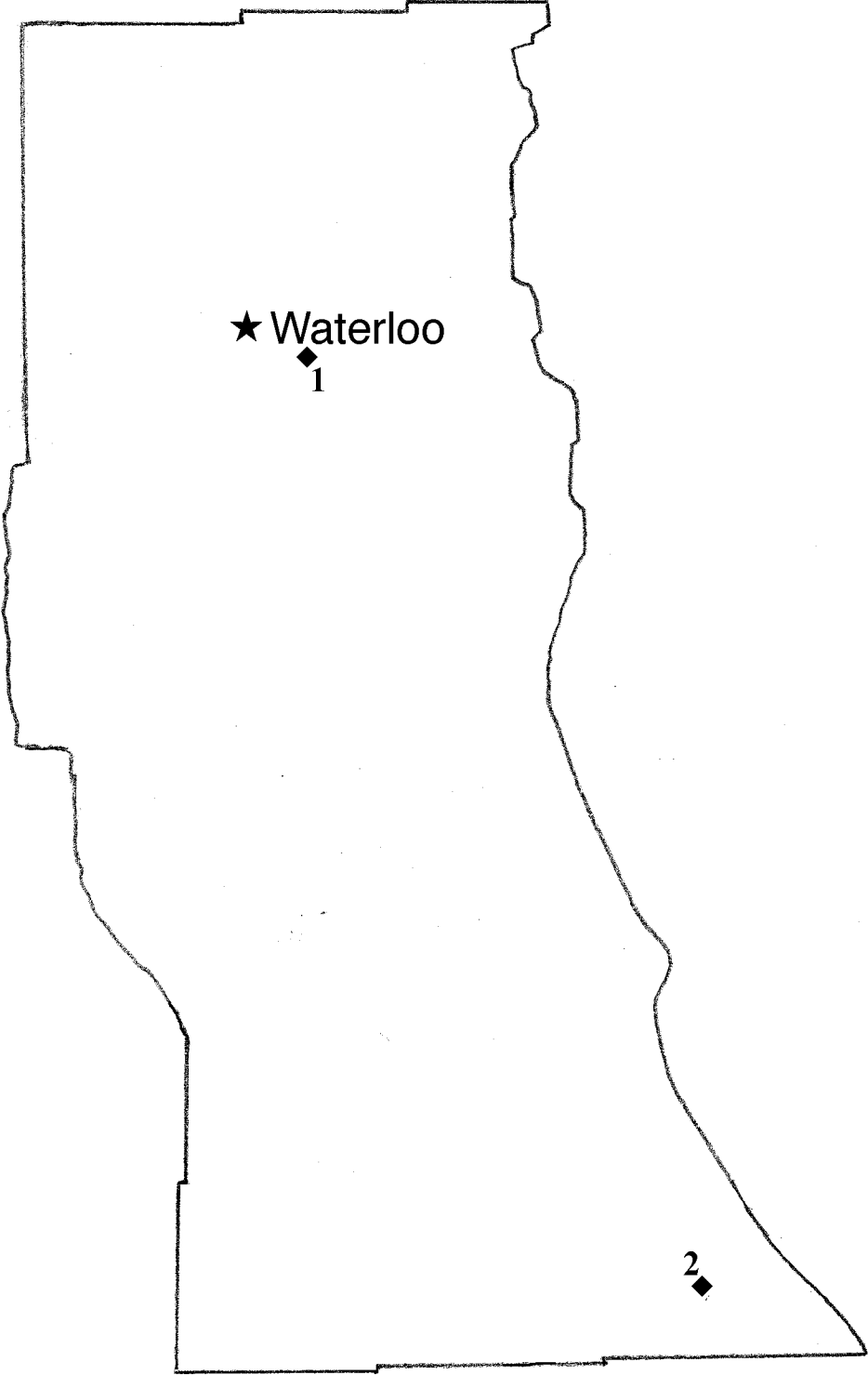
Pyrite Occurrence (S). *Minerals*: Barite (fibrous), Pyrite (single & twinned xls). 1 mile West of Schoharie. Town of Schoharie.  
*Reference*: Whitlock, 1903

Schoharie Occurrence (S). *Minerals*: Barite, Calcite, Strontianite. 2 miles northeast of Schoharie. Town of Schoharie.  
*Reference*: Whitlock, 1903

Terrace Hill (Old Strontian Mine) (S). *Minerals*: Celestine (fibrous), Pyrite, Strontianite. Rte. 88 Road Cut. Town of Schoharie.  
*Reference*: Dana, 1898

Tufa Occurrence (S). *Minerals*: Calcite (tufa). Sharon Springs. Town of Schoharie.  
*Reference*: Whitlock, 1903

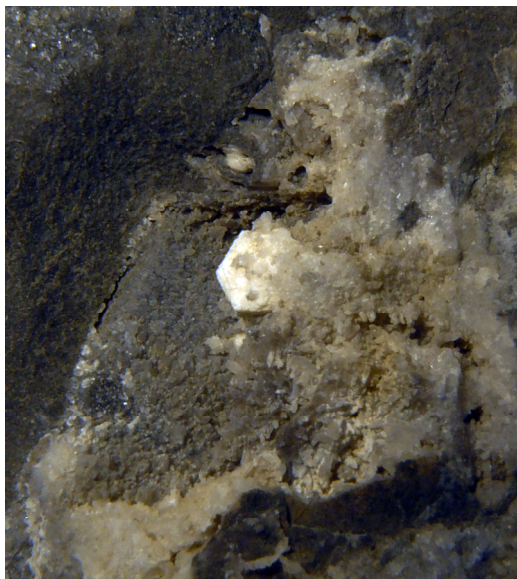
# *Seneca County*





### Localities with GPS coordinates (shown on map)

- 1) Seneca Falls Meteorite, Medium Octahedrite (E) found 1850. *Minerals*: Iron. Seneca River, Seneca Falls. Town of Seneca Falls.  
GPS: (42°55'N, 76°47'N)  
*Reference*: Robinson & Chamberlain, 2007b
- 2) Hubbard Quarry (S, B). *Minerals*: Barite ps. Witherite (in septarian concretions). Near Covert. Town of Covert.  
GPS: (42°34'32"N, 76°41'00"W)  
*Reference*: Chamberlain et al., 1986



Barite ps. Witherite. Hubbard Quarry, 4-mm xl. SCC7939 and photo.

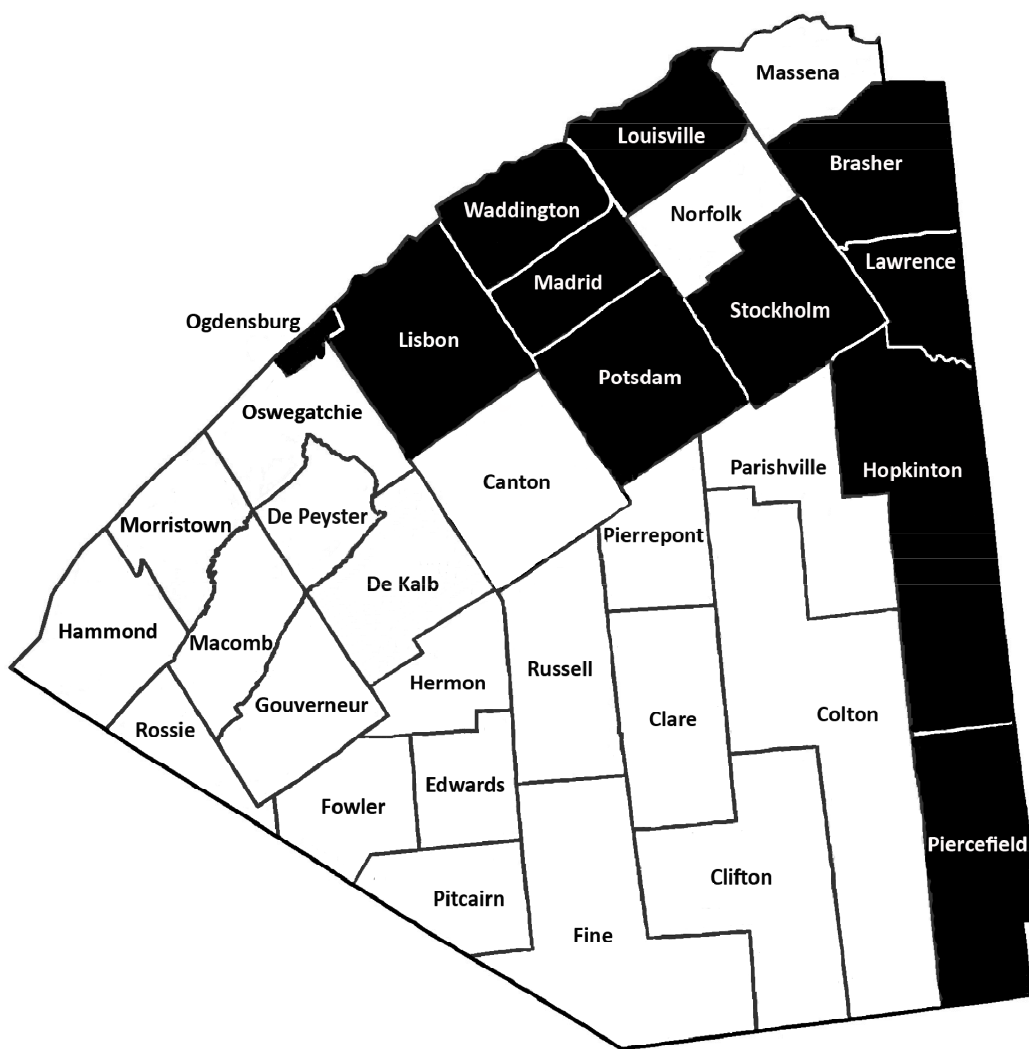
### Localities without GPS coordinates (not shown on map)

Seneca Falls (S). *Minerals*: Calcite. Town of Seneca Falls.  
*Reference*: Unpublished



Calcite. Seneca Falls. Largest 4.8 cm. NYSM20089. SN photo

# *St. Lawrence County*



Map of the Towns of St. Lawrence County. Those with mineral localities are white; those without, are black.

St. Lawrence County (SLC) is the largest county by area in New York State and is the only county that uses an abbreviation in its official name. It may also contain the largest number of identified localities of interest to mineral collectors. In part, this is surely due to the geology because over much of the county the Precambrian basement rocks are exposed at the surface and have a fine-grained lithology. As SLC was settled, the hunters, trappers, and farmers were soon joined by academic mineralogists drawn by the emerging realization of the rich mineralogy and the coarse crystallinity of minerals in the Precambrian rocks. Mineral collectors soon followed. Indeed all three authors of this volume have spent more time in the field in SLC than in any other part of the state.

Taken together, these factors have resulted in a high density of localities in parts of the county that precludes the use of a county map. For this reason, we have chosen to present the data with maps and listings organized by Town (township). The map shows Towns with localities in white and Towns without localities, in black.

Many mineral collectors regard SLC (often lumped with adjacent Jefferson and Lewis Counties as the “North Country”) to be a field-collecting paradise. This opinion is bolstered by the significant number of classic localities with significant longevity and accessibility. The slow rate of development resulting from the modest local economy also promotes the continuing discovery of new localities that add variety to the familiar classic sites. The reality is that much of SLC remains unexplored by experienced amateur mineral collectors and professional specimen mineralogists..

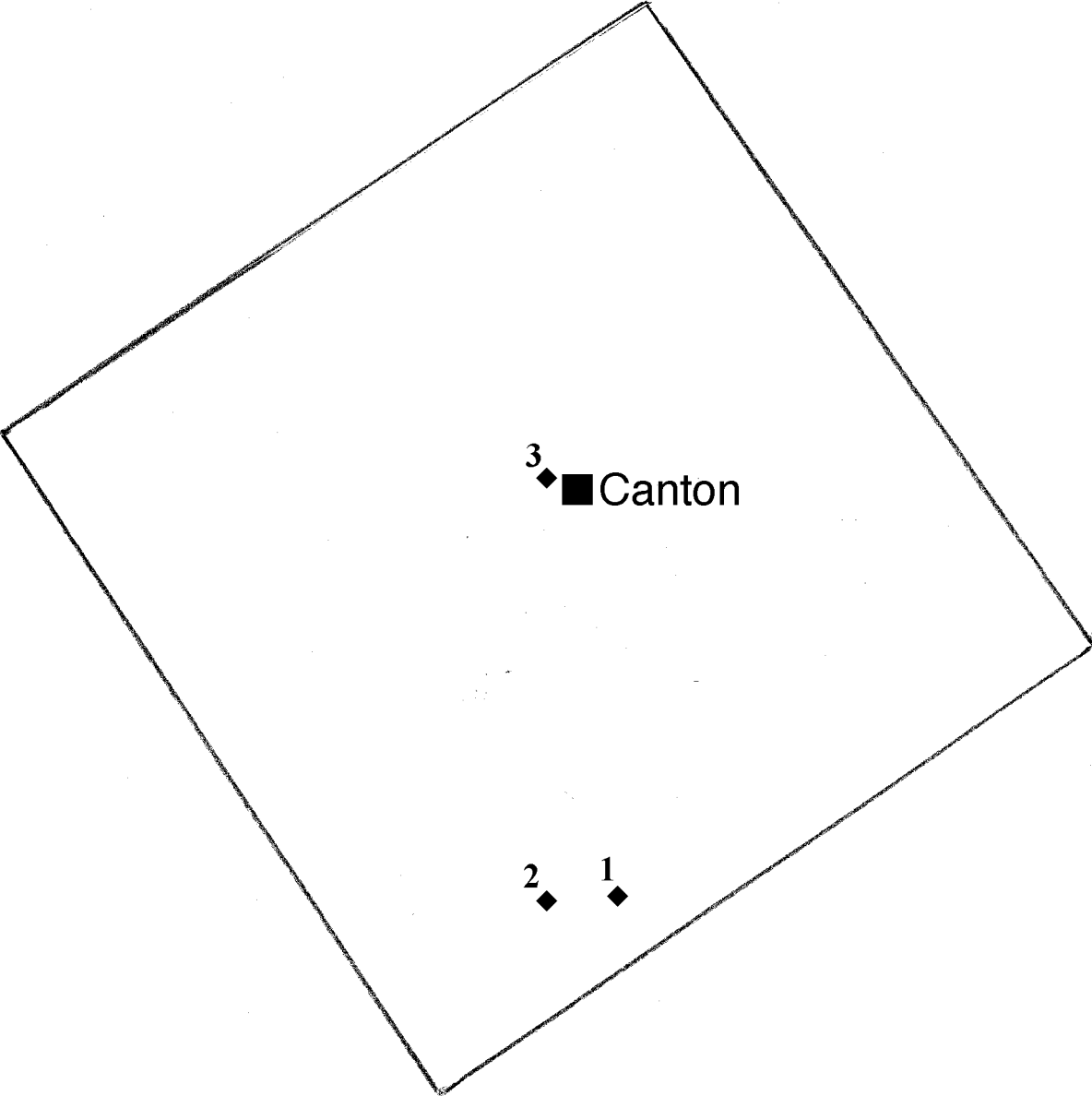
The significant portion of this book taken up by St. Lawrence County, whether appropriate or not, seems justified by the realities summarized above.



*Road Cut in Route 58, Edwards. SR*

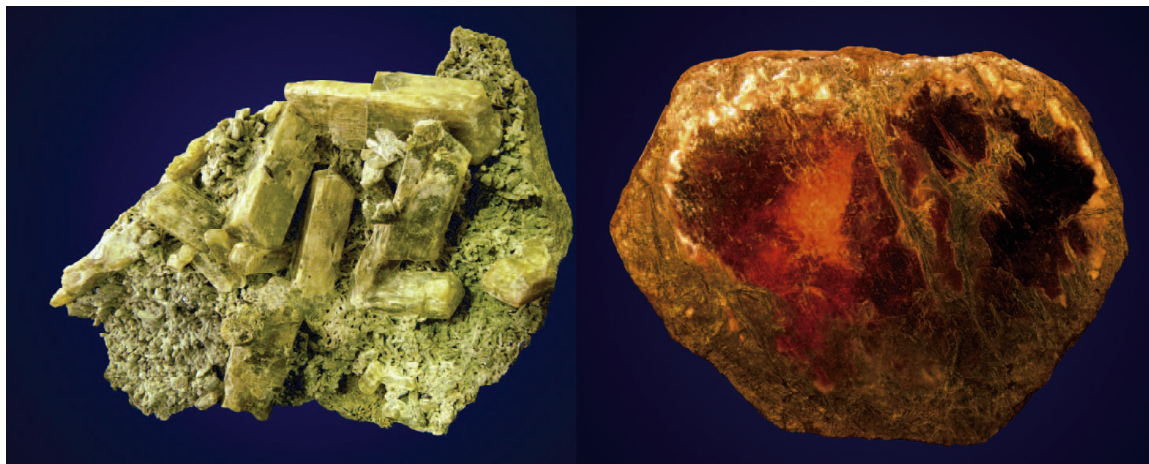
# Town of Canton

St. Lawrence County



### Localities with GPS coordinates (shown on map)

- 1) Kelly Farm (C). *Minerals*: Calcite, Clinocllore, Diopside, Fluorapatite, Fluor-uvite, Meionite, Phlogopite, Titanite. James Kelly farm (old Holbrook mine). 0.75 mile east-southeast of Pyrites, in orange calcite vein-dike. Town of Canton.  
GPS: (44°30'42"N, 75°10'08"W)  
*References*: Agar, 1921; Robinson & Chamberlain, 2007b; Chamberlain et al., 2018; Walter, 2022



(L) Meionite. Kelly Farm. 10.1 cm. SCC2829 and photo.  
(R) Phlogopite. Kelly Farm. 8.1 cm. SCC32801 and photo.

- 2) Cole Mine (C,A). *Minerals*: Muscovite (vanadium-rich), Pyrite. Pyrites. Town of Canton.  
GPS: (44°31'N, 75°12'W)  
*Reference*: Newland, 1919



Vanadium-rich Muscovite, Pyrite. Cole Mine. 3.9 cm. NYSM25929. MH photo.

- 3) SUNY Canton Island Locality (C). *Minerals*: Garnet, Microcline, Quartz, Schorl. South End of Island in Grasse River between SUNY Canton and Village of Canton. Town of Canton.  
GPS: (44°35'56"N, 75°10'35"W)  
*Reference*: Unpublished

### Localities without GPS coordinates (not shown on map)

Hematite and Quartz Occurrences (F). *Minerals*: Hematite, Quartz. Sites 70, 74, 79 on Map in NYSM Bulletins 217, 218. Town of Canton.

*Reference*: Chadwick, 1919

Hubbard Clark Farm (F). *Minerals*: Calcite, Chalcopyrite. Old Hubbard Clark farm, 1 mile northeast from the Intersection of the Pyrites/Russell Road and Town Line Road on the northwest Side of Town Line Road. Town of Canton.

*Reference*: Alverson

Potter Road Tremolite Occurrence (C). *Minerals*: Tremolite. Crary Mills. Town of Canton.

*Reference*: Unpublished

Pyrite Mines (C,A). *Minerals*: Calcite, Chalcopyrite, Hematite, Pyrite, Pyroxene, Serpentine, Talc, Titanite, Tourmaline. Pyrite mines 2 miles south of Canton. Town of Canton.

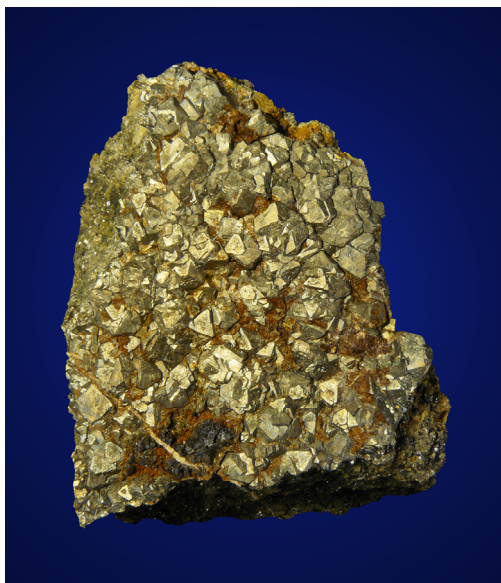
*Reference*: Whitlock, 1903

Pyrite Prospect (C). *Minerals*: Pyrite, Pyrrhotite. Prospect pit 1 mile southwest of Pyrites. Town of Canton.

*Reference*: Newland, 1919

Pyrite Outcrops (C,F). *Minerals*: Pyrite. Outcrop on Grasse River, Pyrites. Town of Canton.

*Reference*: Unpublished.



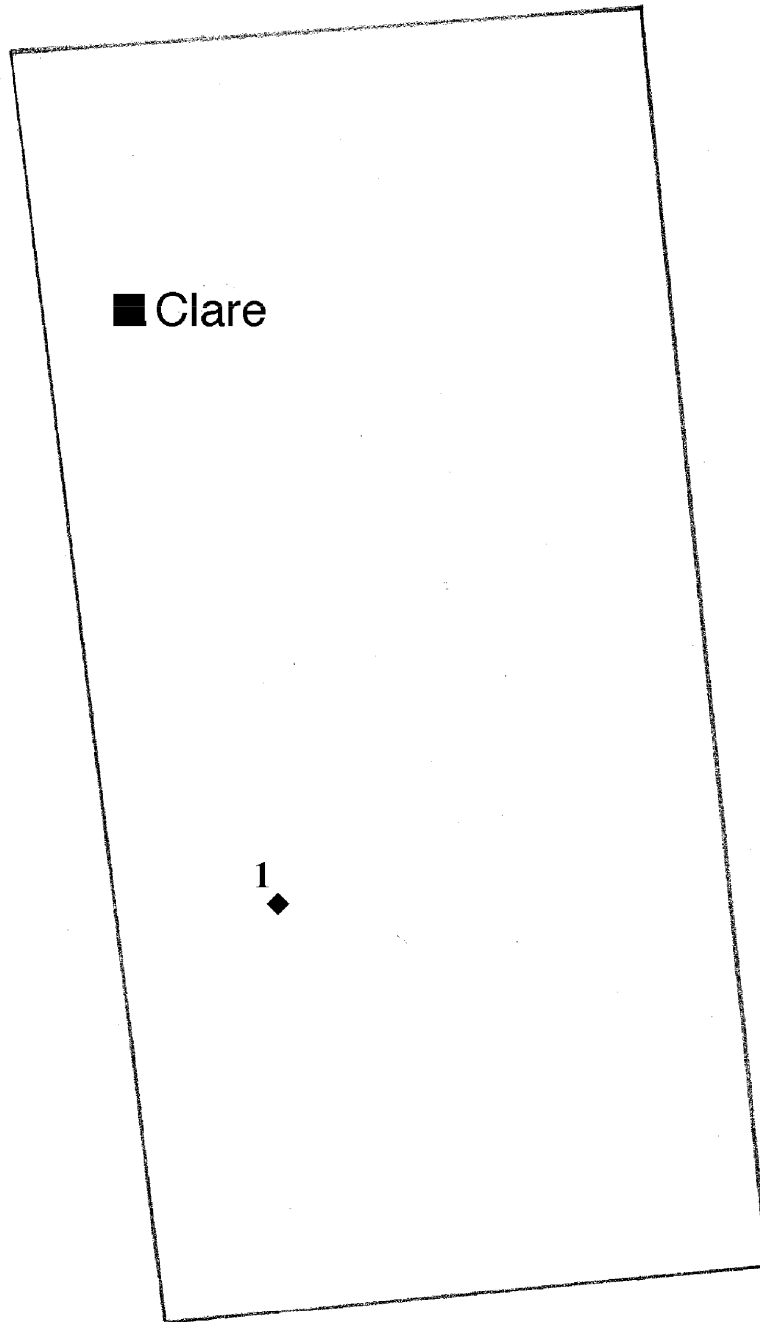
Pyrite. Outcrop on Grasse River. 7.5 cm. SCC5578 and photo.

Tremolite Occurrence (C). *Minerals*: Tremolite. 0.5 miles Northeast of Pyrites on Railroad. Town of Canton.

*Reference*: Martin, 1916

# Town of Clare

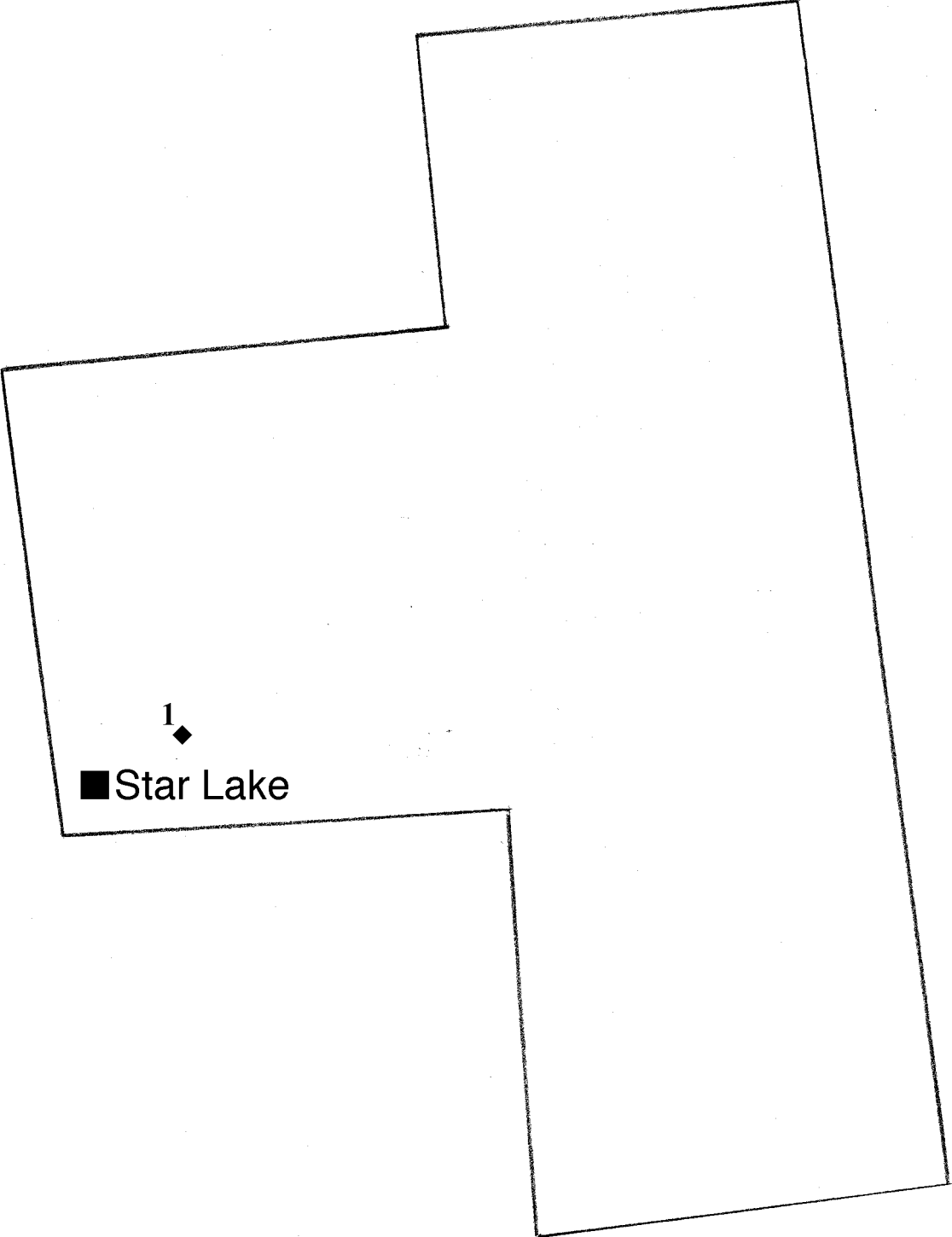
St. Lawrence County



- 1) Clifton Mines (C). *Minerals*: Biotite, Ferro-hornblende, Feruvite, Fluorite, Garnet, Magnetite, Pyrite, Pyrrhotite, Vonsenite. Town of Clare.  
GPS: (44°18'18"N, 75°02'03"W)  
*References*: Smock, 1889; Robinson & Chamberlain, 2007b; Bailey et al., 2019

# *Town of Clifton*

*St. Lawrence County*

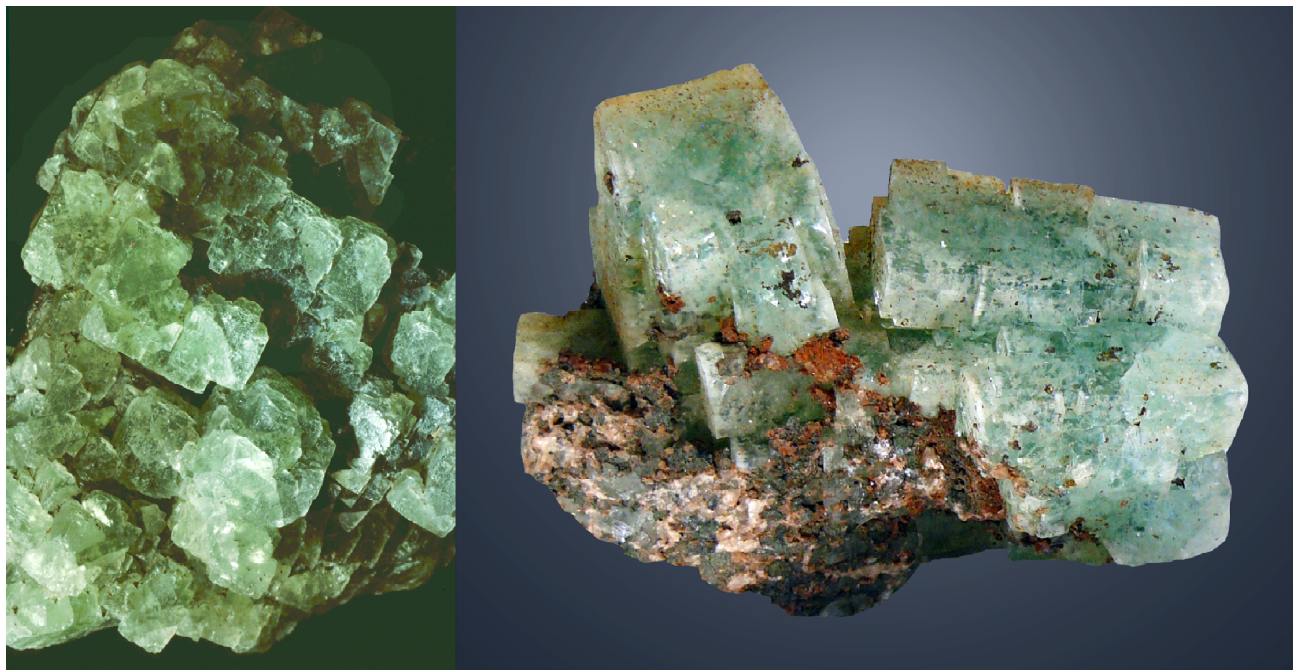




## Localities with GPS coordinates (shown on map)

- 1) Benson Mines (C, F). *Minerals:* Allanite-(Ce), Almandine, Barite, Bornite, Calcite, Chabazite-Ca, Chalcocite, Chalcopyrite, Chamosite, Chrysoberyl, Corundum, Covellite, Dolomite, Dumortierite, Fluorapatite, Fluorite, Garnet, Goethite, Hematite, Hercynite, Ilmenite Isokite, Lazulite, Magnetite, Microcline, Molybdenite, Monazite-(Ce), Muscovite, Phlogopite, Quartz, Rutile, Sanidine (Sunstone), Scheelite, Schorl, Siderite, Sillimanite, Spinel, Strontianite, Uraninite, Vivianite, Wagnerite, Zircon. Near Star Lake. Town of Clifton.  
GPS: (44°10'35"N, 74°59'51"W)

*References:* Robinson & Chamberlain, 2007a,b; Lupulescu et al., 2014; Bailey et al., 2019; Walter, 2022



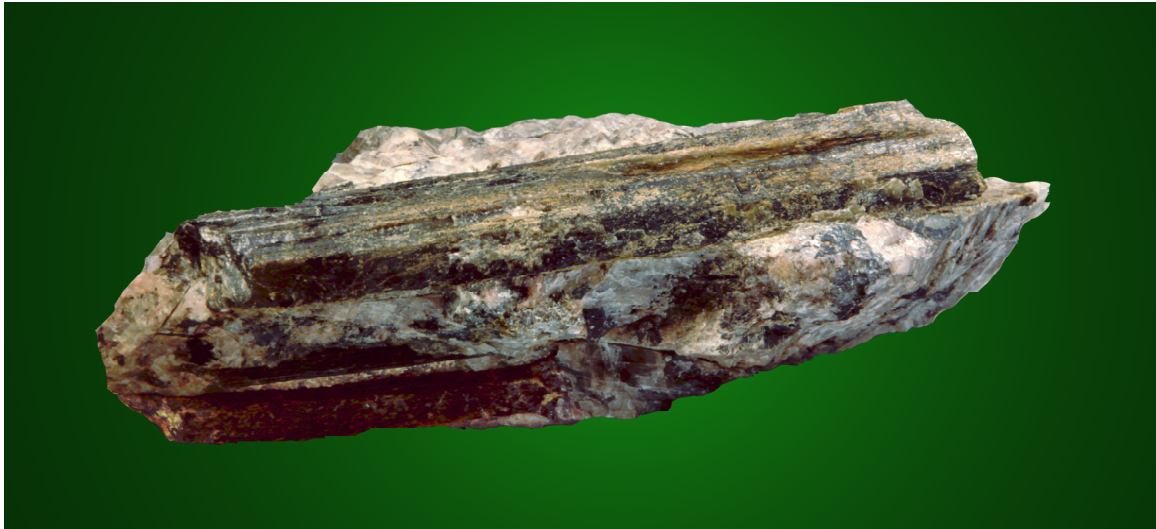
(L) Fluorite. Benson Mines. 29 cm. SCC43456 and photo.

(R) Fluorite. Benson Mines. 10 cm. SCC8091. MW photo.

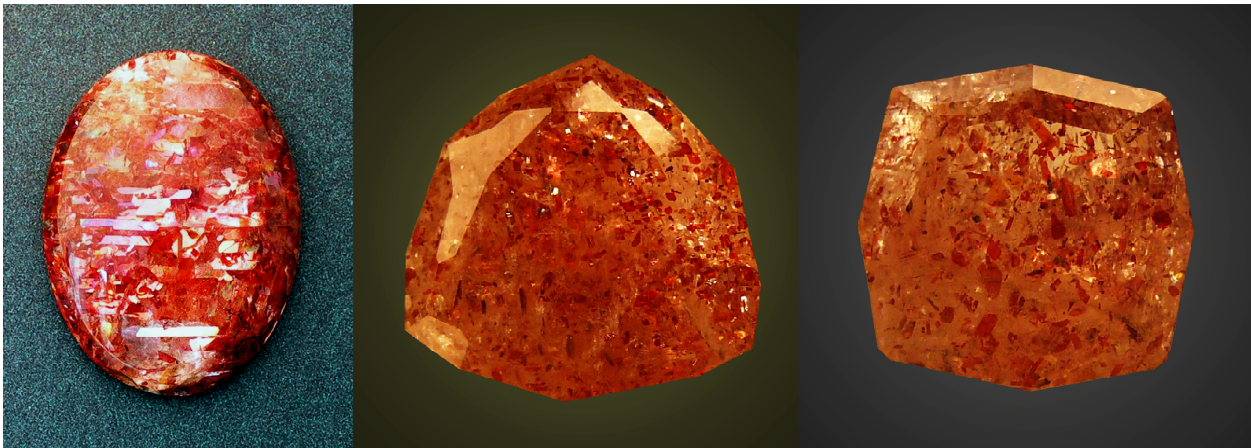


(L) Fluorite Benson Mines. 3.4 cm. NYSM18040. MW photo.

(R) Molybdenite, Quartz. Benson Mines. 9 cm. MW specimen and photo



Sillimanite. Benson Mines. 10 cm. CMN specimen. GWR photo.



Sanidine with Hematite Inclusions (Sunstone). Benson Mines.

(L) 25 mm, NYSM 21185. SCC photo.

(C) 9.04 carats, MW02966 and photo.

(R) 5.47 carats, MW02997 and photo.