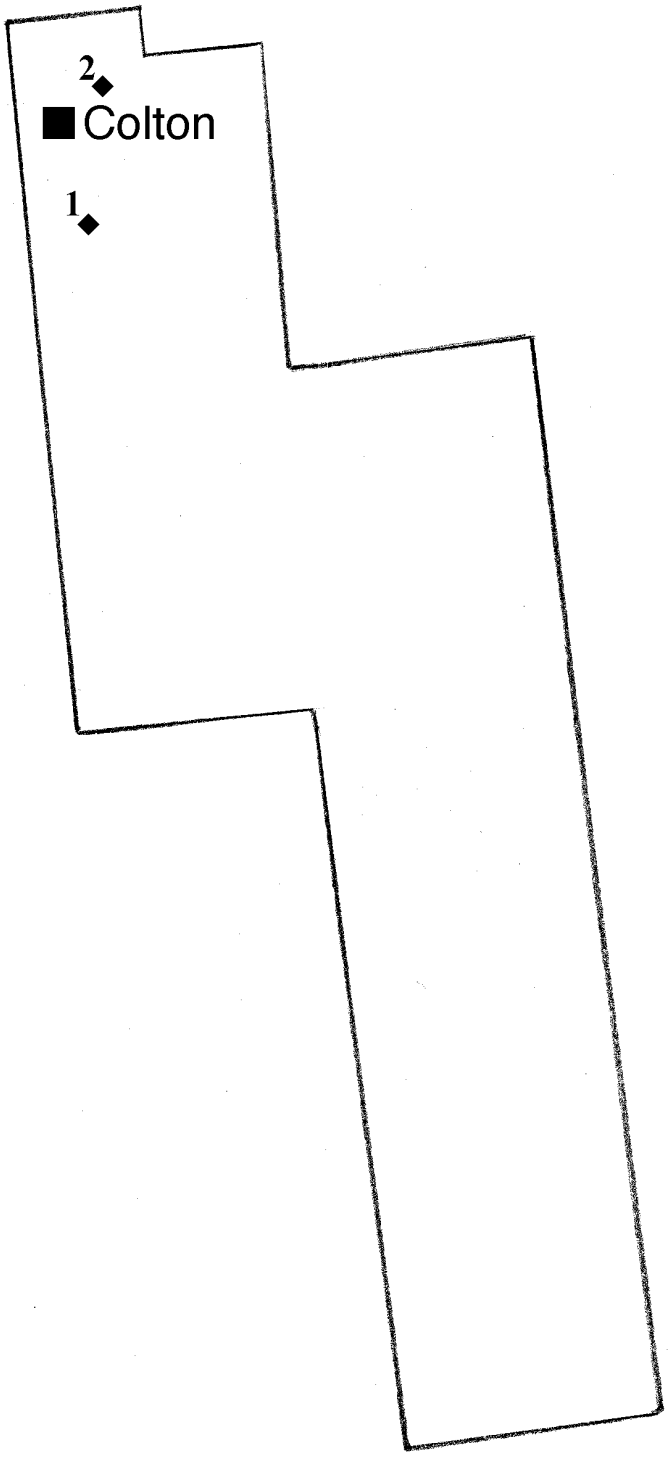
Town of Colton

St. Lawrence County



Localities with GPS coordinates (shown on map)

1) Big Rock (C). *Minerals:* Quartz, Tourmaline. Knobs of gneiss (Big Rock), west side of Raquette River above the hydroelectric dam at the end of Pine Road, Colton. Town of Colton.
GPS: (44°31'45"N, 74°55'53"W)
Reference: Walter 2022

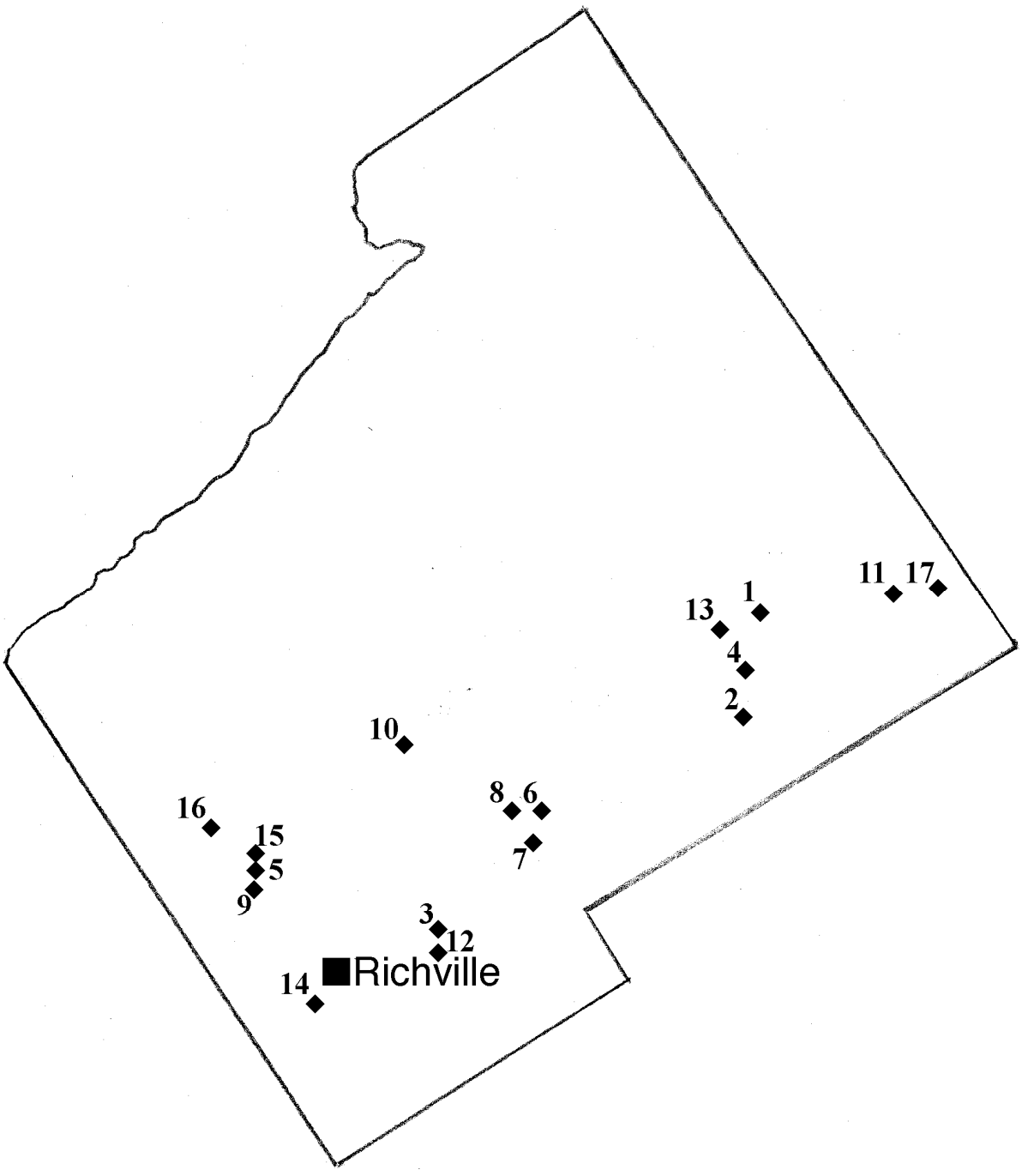
Tourmaline, Quartz. Big Rock. 5.5 cm. MW specimen and photo.

2) Wildwood Road Tremolite Occurrence (C). *Minerals:* Tremolite. North side of Wildwood Road, 2-3 kilometers east of the intersection of County Rte. 58 and Riverside Drive (Wildwood Road). Town of Colton.
GPS: (44°33'20"N, 74°55'22"W)
Reference: Walter 2022

Tremolite.Wildwood Road. 7.7 cm. MW02595 and photo.

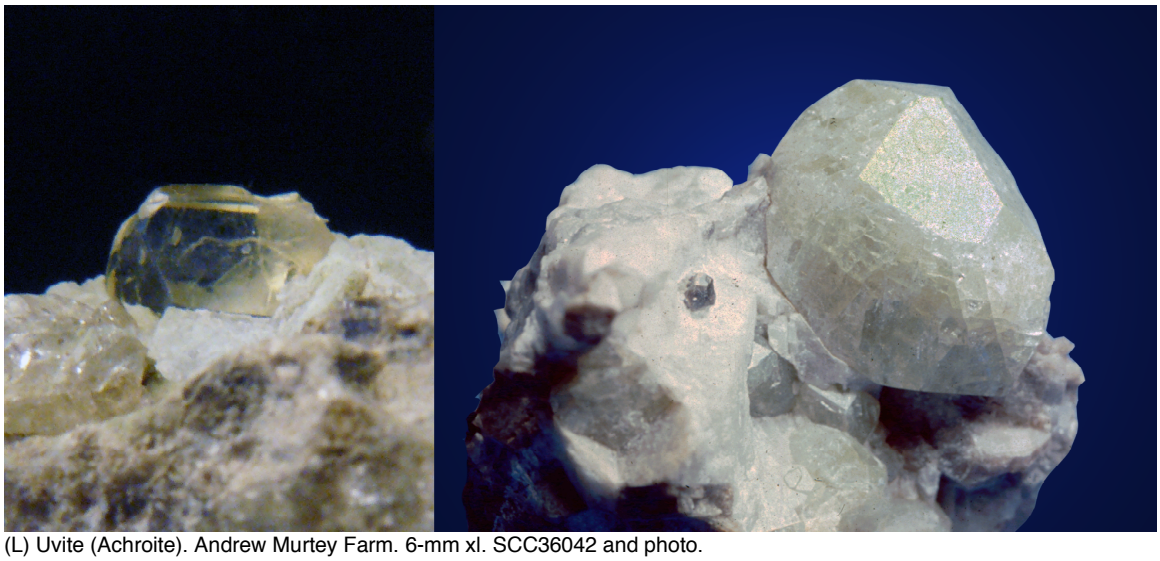
Town of De Kalb

St. Lawrence County



Localities with GPS coordinates (shown on map)

1) Andrew Murtey Farm (C). *Minerals:* Calcite, Phlogopite (triplet twins), Serpentine, Tremolite, Uvite (Achroite).
De Kalb. Town of De Kalb.
GPS: (near 44°28'29"N, 75°18'33"W)
References: Whitlock, 1903; Robinson & Alverson, 1971; Robinson & Chamberlain, 2007a,b

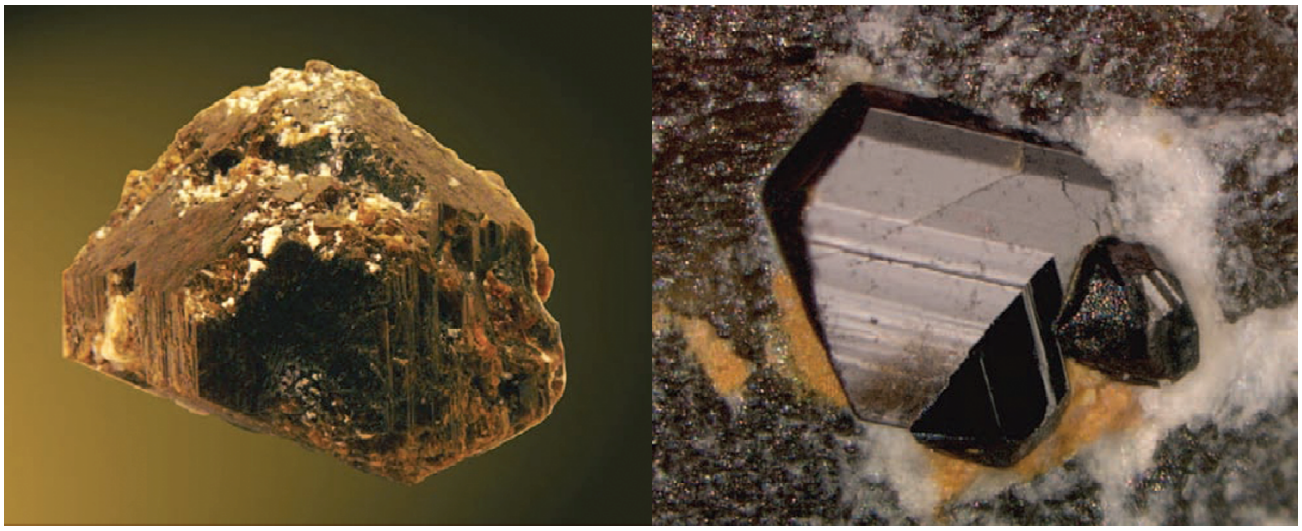


(L) Uvite (Achroite). Andrew Murtey Farm. 6-mm xl. SCC36042 and photo.
(R) Uvite (Achroite), Calcite. Andrew Murtey Farm. 2.5 cm. Harvard43558. GWR photo.

2) Old Calvin Mitchell Farm (C). *Minerals:* Albite, Calcite, Diopside, Quartz, Talc, Tremolite. De Kalb. Town of De Kalb.
GPS: (44°27'01"N, 75°19'36"W)
References: Whitlock, 1903; Robinson & Alverson, 1971; Robinson & Chamberlain, 2007a,b; Chamberlain & Robinson, 2013; Walter, 2022

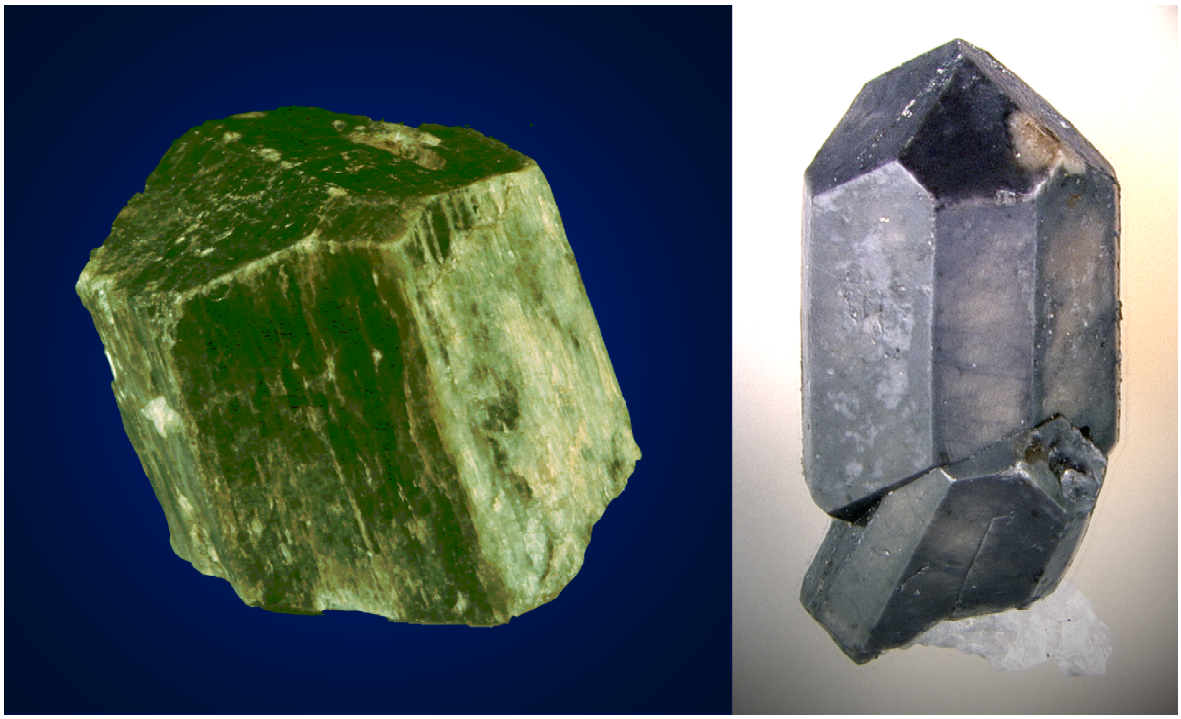
(L) Diopside. Calvin Mitchell Farm. 3.4 cm. CMN specimen. GWR photo.
(R) Diopside, Quartz. Calvin Mitchell Farm. 5.0 cm. CMN specimen. SN photo.

3) Bigelow Road Cut (C). *Minerals:* Calcite, Dravite, Fluorapatite, Fluorite, Goethite (ps. after Pyrite), Graphite, Hematite, Marcasite, Microcline, Opal, Phlogopite, Pyrite, Quartz, Rutile, Talc, Uvite. Road Cut East of Village. Town of De Kalb.
GPS: (44°25'18"N, 74°21'48"W)
References: Robinson & Chamberlain, 2007b; Lupulescu et al., 2010; Walter, 2022



(L) Uvite. Bigelow Road Cut. 5.5 cm. SCC18338 and photo.
(R) Rutile (twin). Bigelow Road Cut. 0.4 mm. SCC18784 and photo.

4) McLear (Green Hill) Pegmatite (C). *Minerals:* Allanite-(Ce), Barite, Bornite, Calcite, Chalcopyrite, Diopside, Fluorapatite, Fluoro-edenite, Lizardite, Microcline, Molybdenite, Phlogopite, Pyrite, Quartz, Thucolite, Thorite, Titanite, Tourmaline, Uraninite, Zircon (Cyrtolite). De Kalb Junction, at Intersection of Rte. 18 and Rte. 19. Town of De Kalb.
GPS: (44°27'35"N, 75°18'41"W)
References: Shaub, 1929, 1940; Tan, 1966; Robinson & Alverson, 1971; Robinson & Chamberlain, 2007b; Walter, 2022

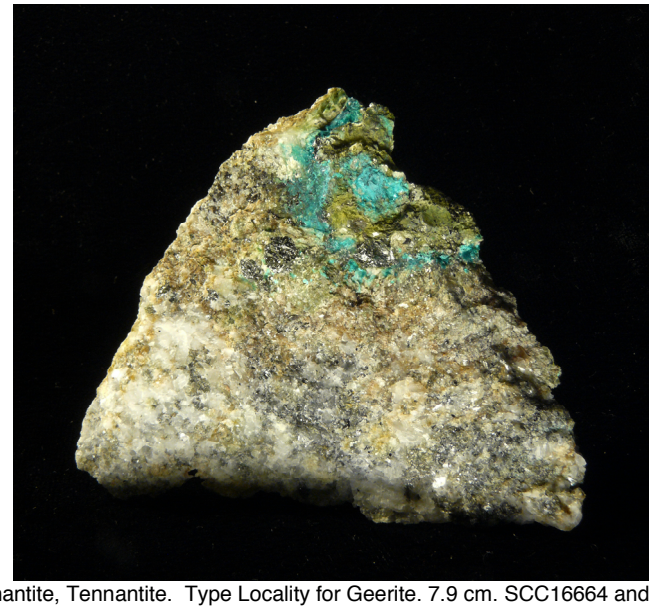


(L) Fluoro-edenite. McLear (Green Hill) Pegmatite. 6 cm. CMN specimen. GWR photo.
(R) Zircon (Cyrtolite). McLear (Green Hill) Pegmatite. 3.3 mm. SCC1571 and photo.

5) Old Francis McIntyre Farm (F). *Minerals:* Barite, Calcite. Near Osborn Lake. Town of De Kalb.
GPS: (44°28'54"N, 75°25'19"W)
References: Williams, 1884; Chester, 1887

(L) Barite. Francis McIntyre Farm. 5.0 cm. SCC2089 and photo.
(R) Barite. Francis McIntyre Farm. 4.9 cm. SCC2087 and photo.

6) Type Locality for Geerite (C,A). *Minerals:* Azurite, Brochantite, Calcite, Cervantite, Chalcopyrite, Chrysocolla, Geerite, Graphite, Hemimorpohite, Malachite, Olivenite, Sphalerite, Spionkopite, Stibiconite, Tennantite, Tetrahedrite, Tremolite. De Kalb. Town of De Kalb.
GPS: (44°29'57"N, 75°20'37"W)
Reference: Goble & Robinson, 1980



Brochantite, Tennantite. Type Locality for Geerite. 7.9 cm. SCC16664 and photo.

7) MacDonald Farm (F). *Minerals:* Barite, Calcite, Goethite, Goethite ps. Marcasite, Goethite ps. Pyrite, Pyrite. Borrow Pit on Colton Road, Richville. Town of De Kalb.
GPS: (44°27'00"N, 75°25'41"W)
Reference: Brown, 1983 – loc. #73

8) Schorl Occurrence (C). *Minerals:* Quartz, Schorl. Old De Kalb Cemetery, south of County Rte. 17, west of Oswegatchie River. Town of De Kalb.
GPS: (44°30'04"N, 75°20'51"W)
Reference: Unpublished

Schorl. Old De Kalb Cemetery. 10.2 cm. SCC30225 and photo

9) Osborn Lake Copper Mine (C), *Minerals:* Barite, Calcite, Diopside, Fluorapatite, Goethite ps. Marcasite, Goethite ps. Pyrite, Phlogopite, Quartz, Titanite, Tourmaline. Just east of Osborn Lake. Town of De Kalb.
GPS: (44°28'42"N, 75°25'40"W)
Reference: Brown, 1983 – loc. #60

Goethite ps. Pyrite. Osborn Lake Copper Mine. 7.1 cm. SCC31185 and photo.

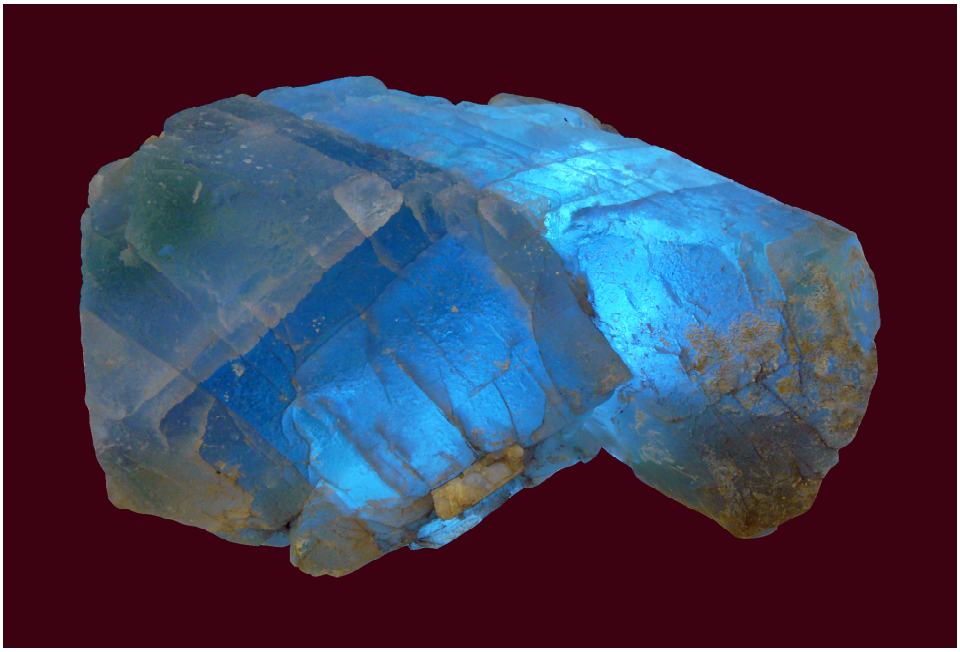
10)Hematite Road Cut (F). *Minerals:* Anhydrite xl cavities, Goethite ps. Pyrite, Hematite, Pyrite, Quartz. Road Cut on north side of Rte. 17, just southeast of Stevenson Road Intersection. Town of De Kalb.
GPS: (44°31'05"N, 75°23'13"W)
Reference: Unpublished

Hematite, Quartz. Rte. 17 Road Cut. 6 cm. SCC14591 and photo.

11)Quartz Veins (F). *Minerals:* Quartz. Veins in Railroad Cut between former Stellaville and Stella Mines. Town of De Kalb.
GPS: (44°28'50"N, 75°14'34"W)
Reference: Unpublished

Quartz. Railroad Cut near Stellaville. 5.8 cm. NYSM specimen. SCC photo.

12)Bigelow Gash Veins (F). *Minerals:* Barite, Calcite, Dravite, Fluorite, Graphite, Pyrite, Sphalerite. Across from Road Cut, Bigelow. Town of De Kalb.
GPS: (near 44°25'18"N, 74°21'45"W)
References: Chamberlain, 2015d; Chamberlain et al., 2018b; Walter, 2022



Fluorite. Bigelow Gash Veins. 14 cm. SCC34713 and photo

(L) Calcite. Bigelow Gash Veins. 6.5 cm. SCC38133 and photo.
(R) Calcite (twin). Bigelow Gash Veins. 6.6 cm. SCC38137 and photo.

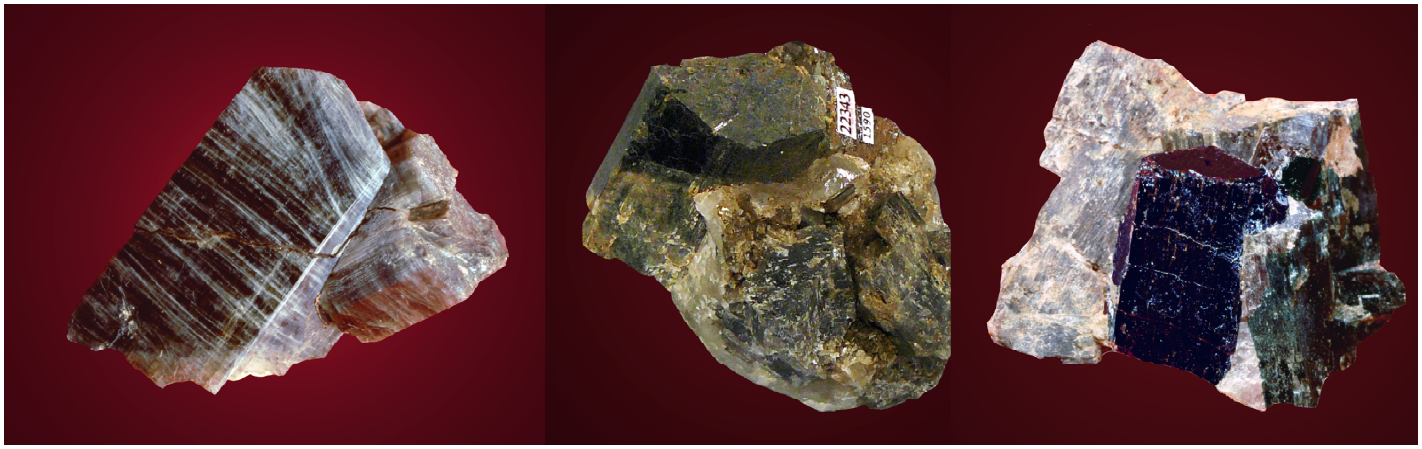
13)Kents Corners Road Cut (F). *Minerals:* Dravite, Pyrophyllite, Rutile. Town of De Kalb.
GPS: (44°28'14"N, 75°19'11"W)
References: Chamberlain & Walter, 2017; Walter, 2022

Dravite, Rutile. Kents Corners Road Cut. 4-mm xl. SCC specimen and photo.

14)Richville Road Cut (F). *Minerals:* Barite, Barite xl cavities, Calcite, Quartz. Gash Vein in Road Cut on US Rte. 11, North of Welsh Road, Richville. Town of De Kalb.
GPS: (44°24'35"N, 75°24'00"W)
References: Chamberlain & Walter, 2017; Walter, 2022

15) Osborn Lake Barite Locality (F,A). *Minerals:* Barite, Calcite, Fluorite, Goethite ps. Marcasite, Goethite ps. Pyrite, Graphite, Marcasite, Pyrophyllite, Quartz. East of Osborn Lake. Town of De Kalb.
GPS: (44°28'56"N, 75°25'16"W)
References: Brown, 1983 – loc. #61; Robinson & Chamberlain, 2007b

16)Hurlbut Farm (C). *Minerals:* Calcite, Diopside, Fluorapatite, Fluor-uvite, Phlogopite, Quartz, Talc, Tremolite. North of Gouverneur. Town of De Kalb.
GPS: (44°29'04"N, 75°26'48"W)
References: Brown, 1983 – loc. #56; Robinson & Chamberlain, 2007b; Walter, 2022



(L) Tremolite. Hurlbut Farm. 4 cm. SCC specimen and photo.
(C) Tremolite, Quartz. 6 cm. NYSM22343. MW photo.
(R) Fluor-uvite, Tremolite, Quartz. Hurlbut Farm. 10.2 cm. SCC17964 and photo.

17)Stella Mines (including Anna Mine) (C,A). *Minerals:* Pyrite, Pyrrhotite. One mile north of Hermon. Town of De Kalb. GPS: (44°28'59"N, 75°13'59"W)
References: Newland, 1919; Robinson & Alverson, 1971

Localities without GPS coordinates (not shown on map)

Barite Occurrence (F). *Minerals:* Barite (long, tabular xls). Richville. Town of De Kalb.
Reference: Whitlock, 1903

Calvin Mitchell Prospect (D. G. Styles Property) (C). *Minerals:* Pyrite, Pyrrhotite. Southeast edge of small ridge just north of Indian creek. Town of De Kalb.
Reference: Newland, 1919

Datolite Occurrence (C). *Minerals:* Datolite, Diopside (transparent xls). 3 Miles South of De Kalb Junction. Town of De Kalb.
Reference: Whitlock, 1903

Henricks Shaft (C). *Minerals:* Pyrite. 1.5 Miles southwest of Bigelow. Town of De Kalb.
Reference: Newland, 1919

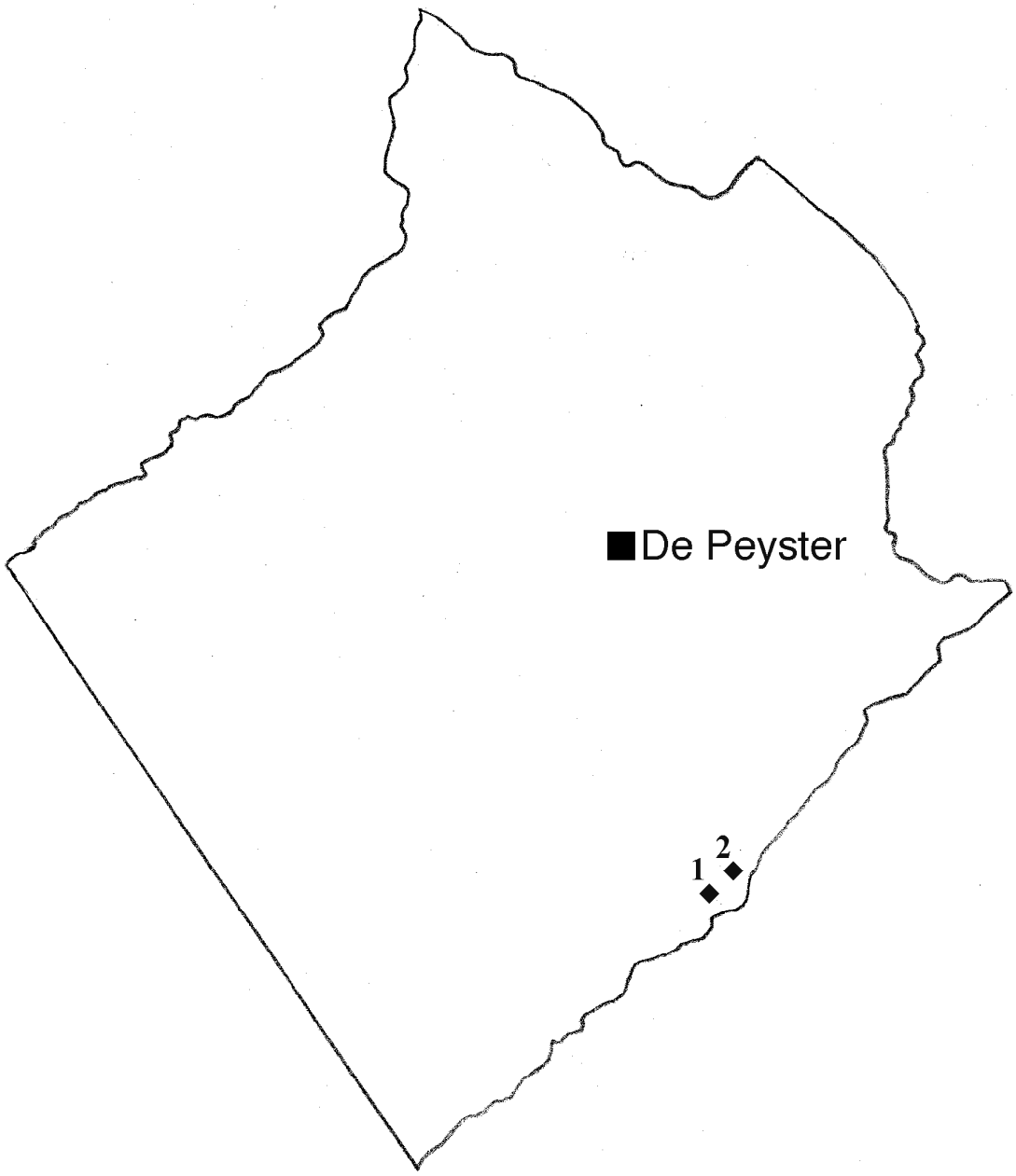
Old Abner Cross Farm (C,F). *Minerals:* Barite, Calcite, Fluorite, Phlogopite, Tourmaline, Tremolite. Near Osborn Lake. Town of De Kalb.
Reference: Dana 1898

Old Alexander Farr Farm & Old Henry Fleming Farm (C). *Minerals:* Pyrite, Pyrrhotite. 3 Miles northeast of Bigelow. Town of De Kalb.
Reference: Newland, 1919

Styles Shaft (D. G. Styles Property) *Minerals:* Pyrite. About 1.8 Miles Northeast of Bigelow. Town of De Kalb.
Reference: Newland, 1919

Town of De Peyster

St. Lawrence County



Localities with GPS coordinates (shown on map)

1) Mayhew Calcite Gash Vein (F). *Minerals:* Calcite. West of north end of Bridge on Rock Island Road over Beaver Creek, North of Gouverneur. Town of De Peyster.
GPS: (44°30'17"N, 75°25'46"W)
Reference: Walter, 2022

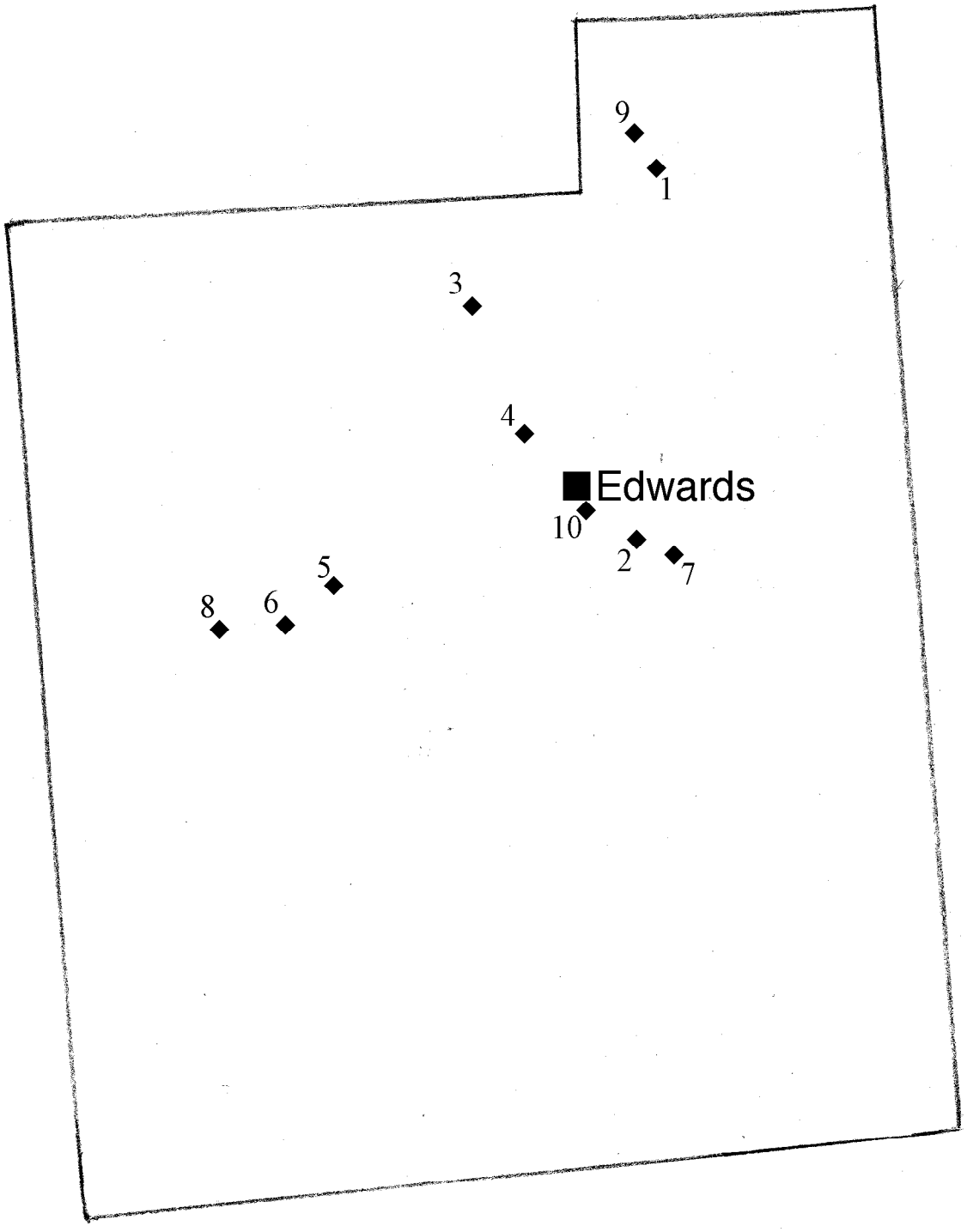
Calcite. Mayhew Calcite Gash Vein. 6.8 cm. SCC38681 and photo.

2) Mayhew Fluorite Gash Vein (F). *Minerals:* Calcite, Fluorite, Graphite, Quartz. Mayhew Farm Fluorite gash vein, Hill facing end of bridge on Rock Island Road over Beaver Creek, North of Gouverneur. Town of De Peyster.
GPS: (44°30'19"N, 75°25'44"W)
References: Robinson & Alverson, 1971; Brown, 1983 – loc. #41; Walter, 2022

(L) Fluorite. Mayhew Fluorite Gash Vein. 5.2 cm. SCC32569 and photo.
(R) Fluorite. Mayhew Fluorite Gash Vein. 6.4 cm. SCC32582 and photo.

Town of Edwards

St. Lawrence County

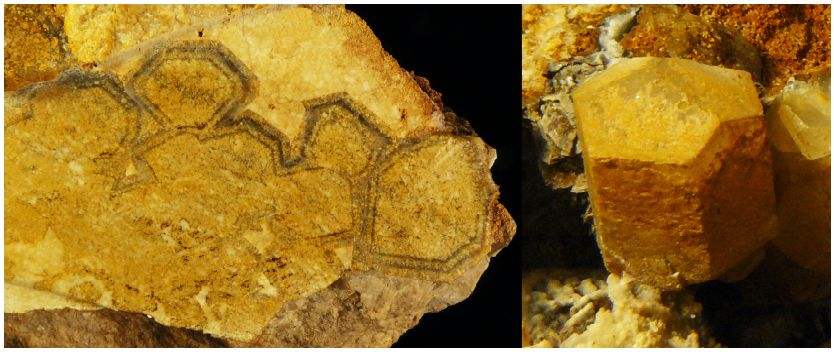


Localities with GPS coordinates (shown on map)

1) Dodge Mine (C,F). *Minerals:* Anhydrite xl cavities, Calcite, Dolomite, Goethite, Goethite ps. Dolomite, Goethite ps. Marcasite, Goethite ps. Pyrite, Goethite ps. Siderite, Hematite, Lizardite (slickensides) Quartz (colorless, smoky, black, sand crystals), Siderite, Talc. North of Edwards. Town of Edwards.
GPS: (44°21'20"N, 75°14'15"W)
References: Robinson & Chamberlain, 2007b; Chamberlain et al., 2019; Walter, 2022

(L) Hematite. Dodge Mine. 11 cm. SCC41046 and photo.
(R) Quartz, Hematite. Dodge Mine. 5.2 cm. SCC8470 and photo.

Hematite. Dodge Mine. 10.9 cm. NYSMC5031. SCC photo.



(L) Hematite, Quartz, Calcite. Dodge Mine. 8-mm fov. SCC11380 and photo.
(R) Calcite. Dodge Mine. 1-cm xl. SCC11380 and photo.

2) Morgan (Wolf) Farm (C). *Minerals:* Diopside, Fluorapatite, Microcline, Molybdenite, Phlogopite, Pyrite, Tremolite. Southeast of Edwards. Town of Edwards.
GPS: (44°19'01"N, 75°14'21"W)
References: Robinson & Alverson, 1971; Robinson & Chamberlain, 2007b; Walter, 2022

Microcline, Diopside. Morgan Farm. 4.8 cm. SCC40839 and photo.

3) Serpentine Crystal Locality (C). *Minerals:* Calcite, Scapolite, Serpentine, Serpentine ps. Scapolite. Trout Lake Road, Edwards. Town of Edwards.
GPS: (44°20'39"N, 75°16'20"W)
Reference: Unpublished

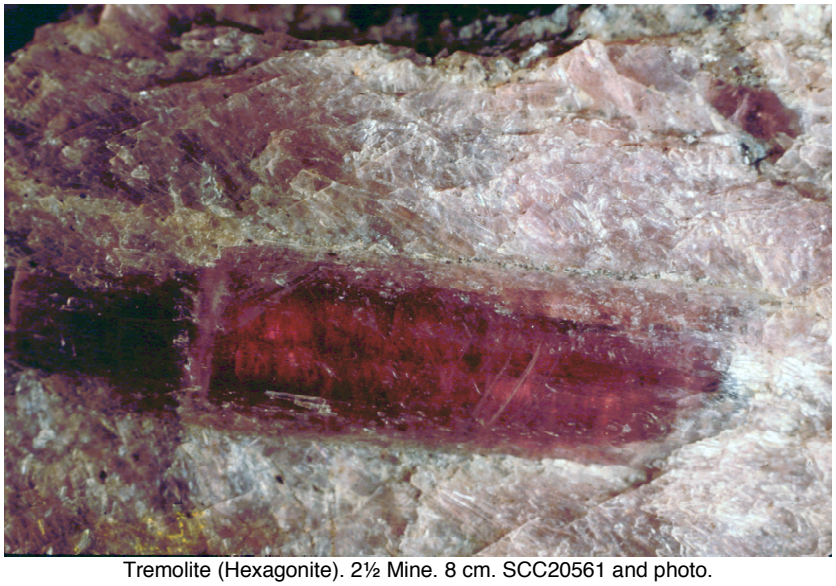
4) Edwards Mine (C). *Minerals:* Acanthite, Afghanite, Alabandite, Albite (Oligoclase), Anhydrite, Arsenopyrite, Calcite, Chalcopyrite, Diopside, Dolomite, Dravite, Freibergite, Galena, Gypsum, Haüyne, Lazurite, Pargasite, Phlogopite, Proustite, Pyrite, Quartz, Serpentine, Silver, Sphalerite, Spinel, Talc, Tremolite, Warwickite. Edwards mine, Edwards. Town of Edwards.
GPS: (44°19'55"N, 75°15'52"W)
References: Lessing & Grout, 1971; Kelly et al., 1998; Robinson & Chamberlain, 2007a,b; Lupulescu et al., 2014; Chamberlain et al., 2018; Bailey et al., 2019

(L) Gypsum. Edwards Mine. 5.5 cm SCC34507 and photo.
(C) Warwickite, Spinel. Edwards Mine. 1.2-mm fov. NYSM13164. MVL photo.
(R) Lazurite, Dravite. Edwards Mine. 12.4 cm. NYSM21403. GBG photo.

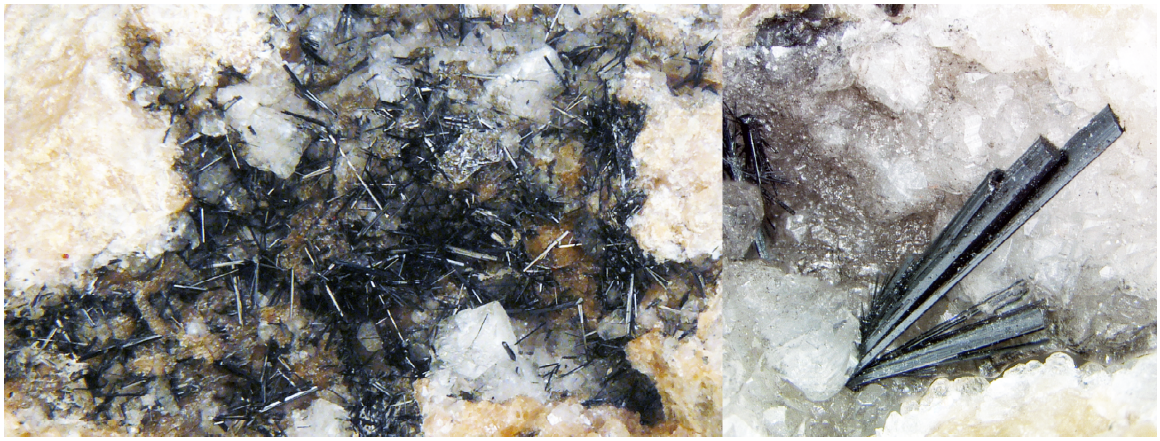
5) International Talc Company (Reynolds) Mine (C). *Minerals:* Anthophyllite, Clino-suenoite (Manganocummingtonite, Tirodite), Fluorapatite, Sepiolite, Talc, Tremolite. Talcville. Town of Edwards.
GPS: (44°18'55"N, 75°17'59"W)
References: Alverson; Robinson & Alverson, 1971; Chamberlain et al., 2018

Tremolite. Reynolds Mine. 7.5 cm. SCC12509 and photo.

6) 2½ Mine (C,F). *Minerals:* Calcite, Clino-suenoite (Manganocummingtonite, Tirodite), Cummingtonite, Groutite, Lizardite, Phlogopite, Tremolite (Hexagonite), Talc, Uvite (Manganese-rich). Talcville. Town of Edwards.
GPS: (44°18'31"N, 75°18'36"W)
References: Segeler, 1959, 1961; Robinson & Chamberlain, 2007b; Chamberlain et al., 2018



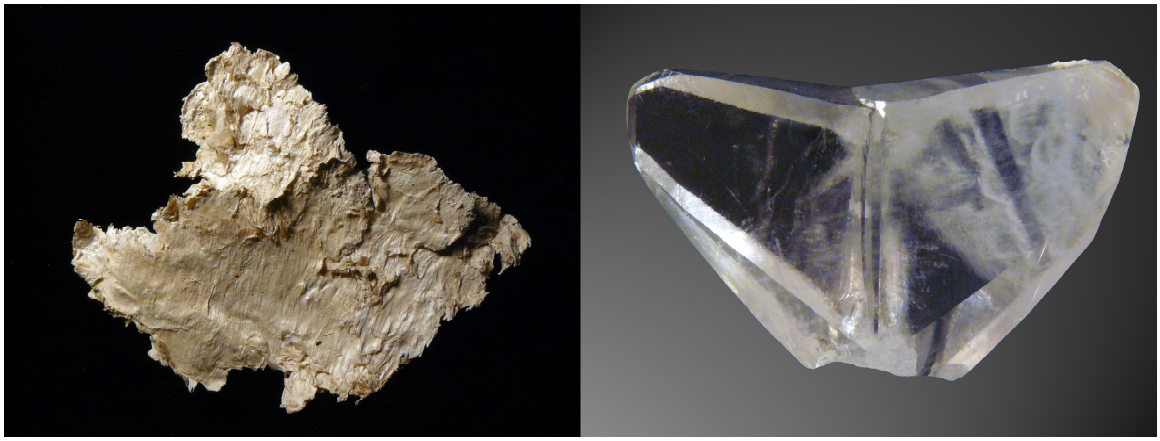
Tremolite (Hexagonite). 2½ Mine. 8 cm. SCC20561 and photo.



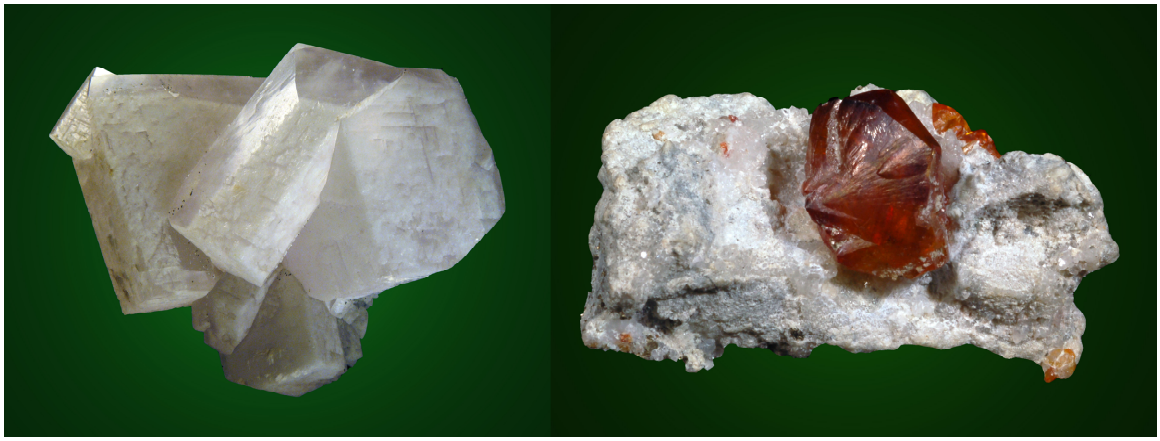
(L) Groutite, Calcite, Talc. 2½ Mine. 4.4-cm fov. SCC11593 and photo.
(R) Groutite, Calcite. 2½ Mine. 4-mm fov. SCC18171 and photo.

7) Rte. 58 Road Cut (C). *Minerals:* Diopside, Fluorapatite, Molybdenite, Phlogopite, Pyrite, Tremolite. Southeast of Edwards. Town of Edwards.
GPS: (44°18'57"N, 75°14'20"W)
Reference: Chamberlain & Walter, 2017

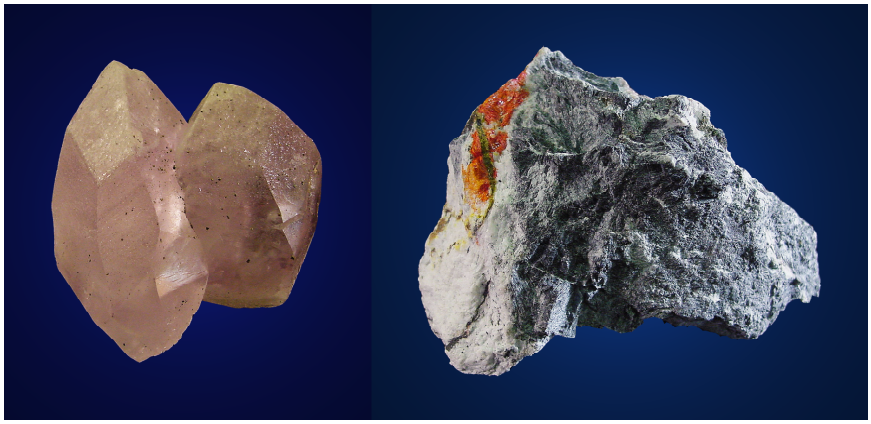
8) Hyatt Mine (C,F). *Minerals:* Barite, Calcite, Greenockite (?), Sepiolite, Sphalerite, Strontianite, Sulfur. Southwest of Talcville. Town of Edwards.
GPS: (44°18'12"N, 75°19'23"W)
References: Robinson & Chamberlain, 2007b; Chamberlain et al., 2018



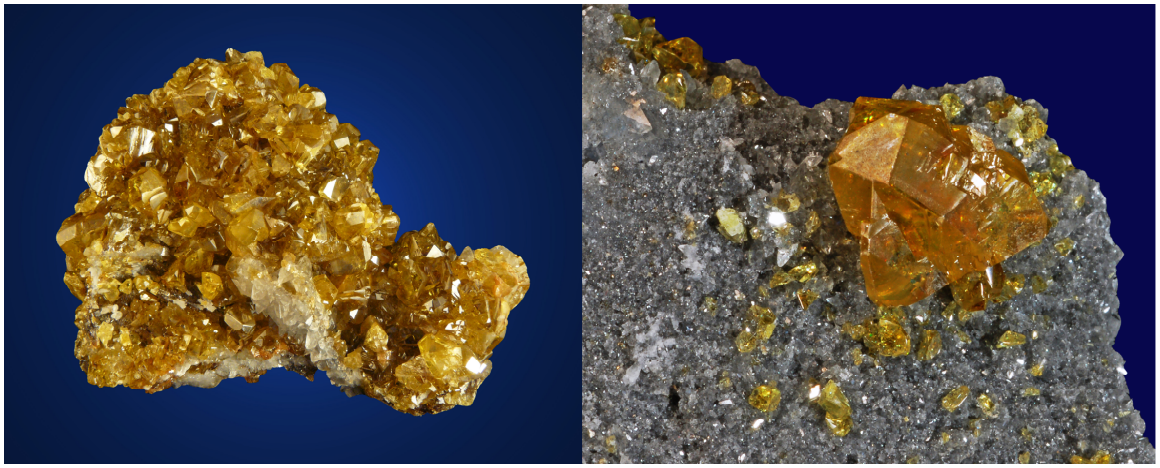
(L) Sepiolite (Mountain Leather). Hyatt Mine. 15.5 cm. SCC14050 and photo.
(R) Calcite (twin), Sepiolite. Hyatt Mine. 3.7 cm. SCC13915 and photo.



(L) Calcite. Hyatt Mine. 12 cm. SCC14678 and photo.
(R) Sphalerite, Calcite. Hyatt Mine. 2.5 cm. NYSM24812. SN photo.

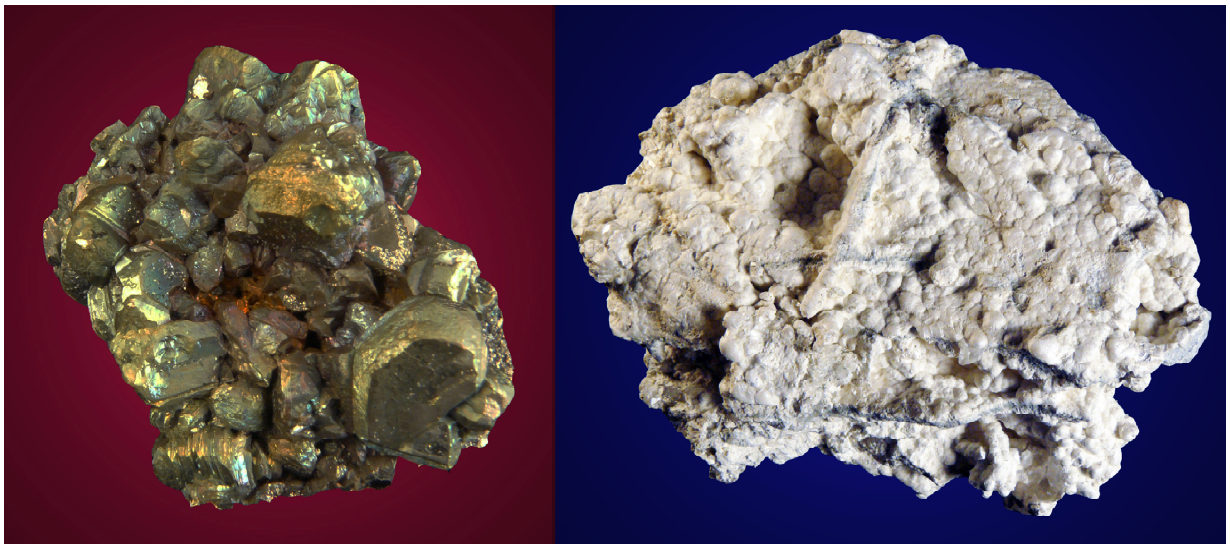


(L) Calcite. Hyatt Mine. 6.8 cm. NYSM21615. GBG photo.
(R) Realgar. Hyatt Mine. 5.1 cm, NYSM21967 GBG photo.



(L) Sphalerite. Hyatt Mine. 8.0 cm. SCC14286 and photo.
(R) Sphalerite. Hyatt Mine, 5-cm fov. NYSM 21576 SN photo

Celestine. Hyatt Mine. 10.8 cm. SCC14147 and photo.



(L) Chalcopyrite coating Sphalerite. Hyatt Mine. 3.8 cm. SCC15097 and photo.
(R) Talc. Hyatt Mine, 12.0 cm. SCC15007 and photo.

9) Barite xl Cavity Occurrence (S). *Minerals:* Barite, Barite xl cavities in Potsdam Sandstone, Goethite, Hematite, Pyrite. Exposures in Trout Lake State Forest, South of Campbell Road, Edwards. Town of Edwards.
GPS: (44°21'48"N, 75°14'56"W)
Reference: Chamberlain, 2014a

(L) Barite xl cavities. Trout Lake State Forest. 14.5 cm. SCC31566 and photo.
(R) Barite. Trout Lake State Forest. 4.5 cm. SCC31576 and photo.

10)Robert Maracle Gash Vein (F). *Minerals:* Calcite, Dolomite. 34 Maple Avenue, Edwards. Town of Edwards. GPS: (44°19'22"N, 75°14'57"W)
Reference: Unpublished

(L) Calcite. Robert Maracle Gash Vein. 9.3 cm. SCC37634 and photo.
(R) Calcite. Robert Maracle Gash Vein. 5.2 cm. SCC27675 and photo.

Localities without GPS (not shown on map)

Adelbert Freeman Farm (F). *Minerals:* Greenockite, Sphalerite. Near Talcville. Town of Edwards.
References: Newland, 1919; Alverson

Anthony Mine (C). *Minerals:* Actinolite, Apatite, Hematite, Magnetite, Phlogopite, Scapolite, Serpentine, Tremolite. 2 miles south of Edwards. Town of Edwards.
Reference: Whitlock, 1903

Hematite. Prospect #1 (F). *Minerals:* Hematite. 1.85 miles southwest of Scotland School, close to Birches Corners. Town of Edwards
Reference: Alverson

Hematite Prospect #2 (F). *Minerals:* Hematite. 1.75 miles southwest of Scotland School, and west of road. Town of Edwards
Reference: Alverson

Hematite. Prospect #3 (F). *Minerals:* Hematite. 1.6 miles northwest of Scotland School. Town of Edwards.
Reference: Alverson

Hornblende Locality (C). *Minerals:* Hornblende (large crystals), Pyroxene. 1.5 miles south of Edwards. Town of Edwards.
References: Hough, 1853; Nims, 1886

Jones Pond (C). *Minerals:* Microcline, Potassic-pargasite. South Edwards. Town of Edwards.
Reference: Robinson & Chamberlain, 2007b

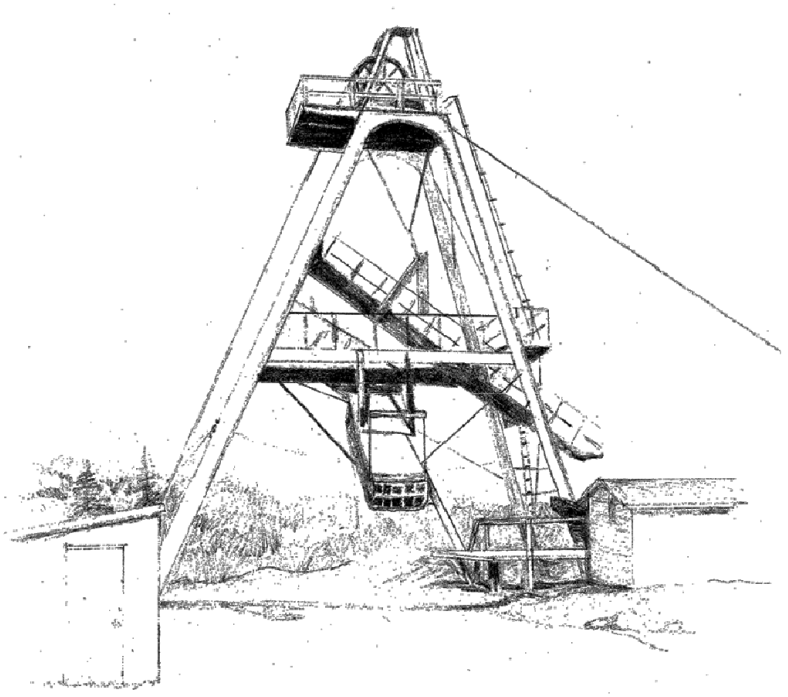
Mica Occurrence (C). *Minerals:* Mica (sheets). Behind Fay Bridgelands' House in South Edwards. Town of Edwards.
Reference: Alverson

Quartz Occurrence #1 (F). *Minerals:* Quartz. Behind bank building, Edwards. Town of Edwards.
Reference: Alverson

Quartz Occurrence #2 (F). *Minerals:* Quartz. Hill northeast of Edwards. Town of Edwards.
Reference: Alverson

Rhodes Farm (F). *Minerals:* Greenockite, Sphalerite. Near Talcville. Town of Edwards.
References: Newland, 1919; Alverson

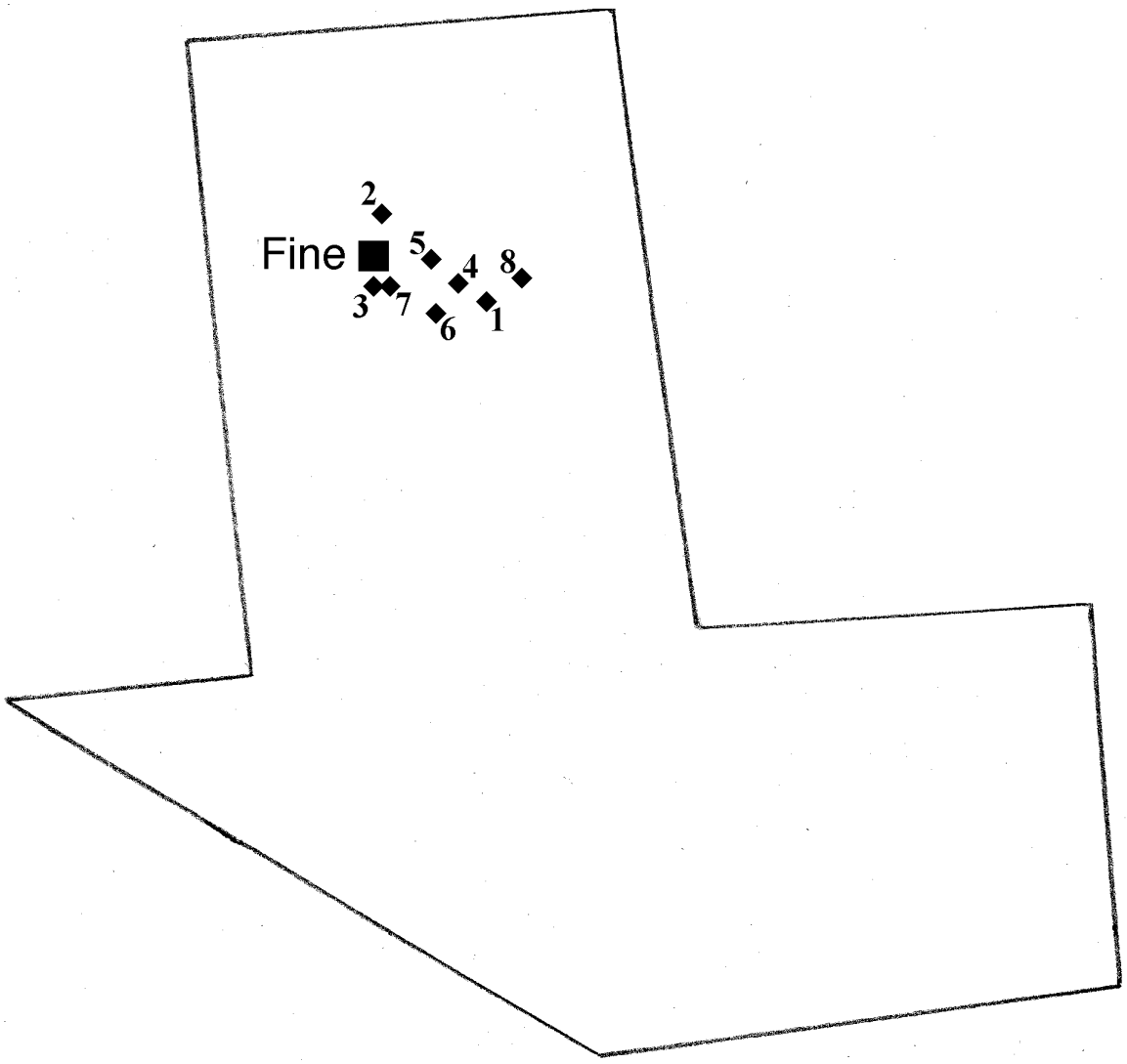
Tourmaline Locality (C). *Minerals:* Biotite, Tourmaline (black). Sandy Hill, below sugar bush, 0.25 miles from East Edwards turnoff and Rte. 56. Town of Edwards.
Reference: Alverson

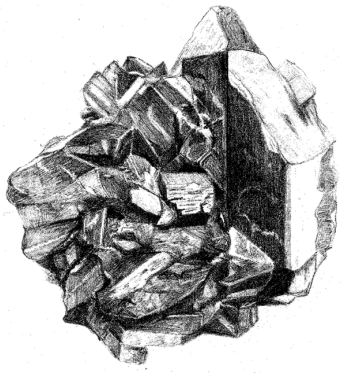


2½ Mine, Talcville. SR sketch

Town of Fine

St. Lawrence County

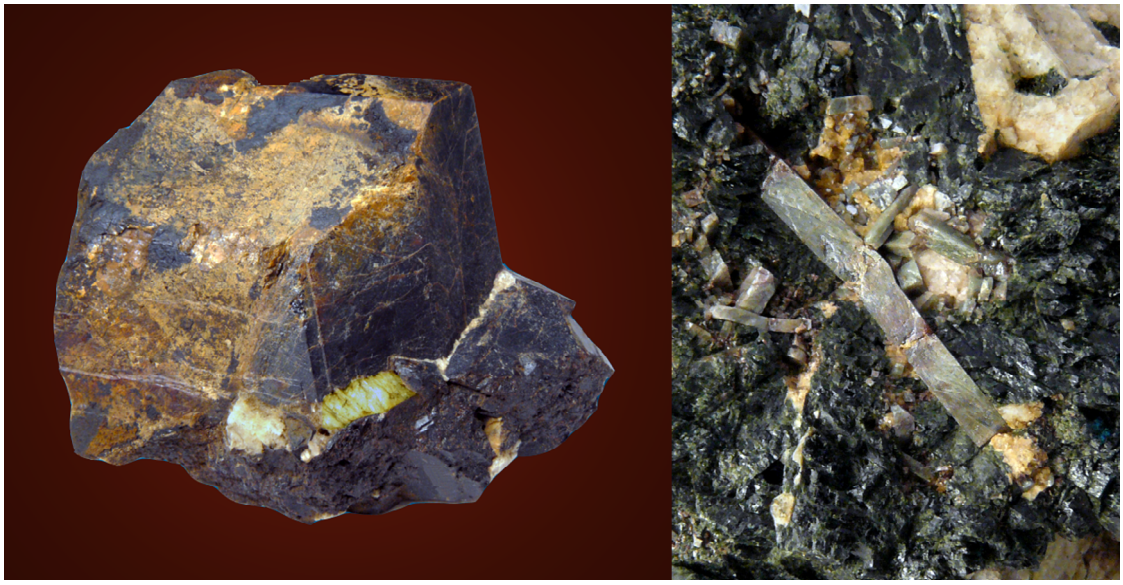




Titanite, Scott Farm Pegmatite. SR

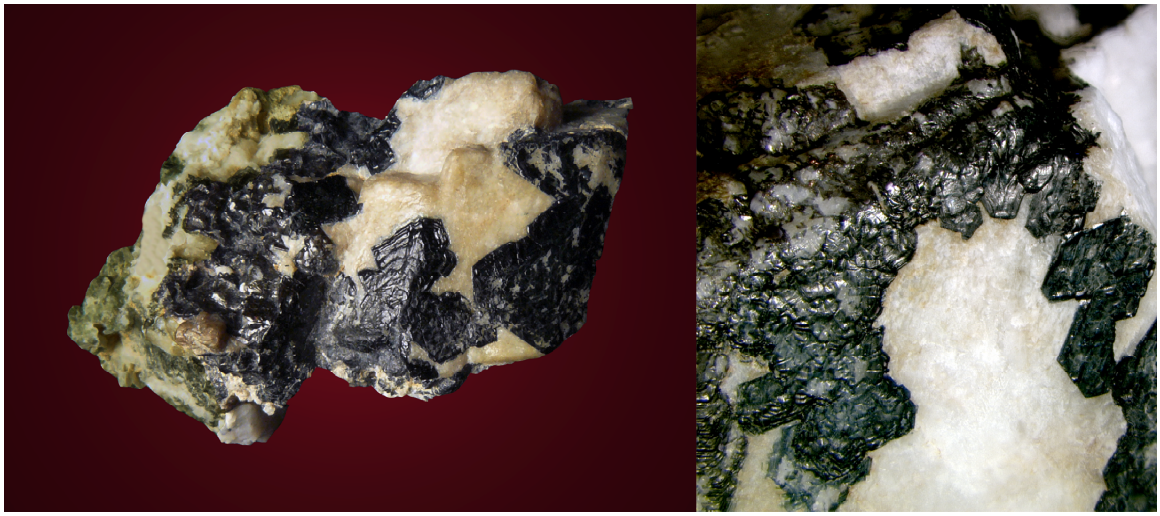
Localities with GPS coordinates (shown on map)

1) Scott Farm Pegmatite (C). *Minerals:* Albite, Allanite-(Ce), Calcite, Chabazite-Ca, Chalcopyrite, Diopside, Ferro-actinolite, Ferro-hornblende, Fluorapatite, Fluorite, Heulandite-Ca, Microcline, Oligoclase, Pyrite, Quartz, Stellerite, Stilbite-Ca, Titanite, Zircon. East of Fine. Town of Fine.
GPS: (44°13'36"N, 75°06'11"W)
References: Whitlock, 1903; Robinson & Chamberlain, 2007b; Chamberlain et al., 2013b; Walter, 2022



(L) Titanite. Scott Farm Pegmatite. 8 cm. SCC11948 and photo.
(R) Zircon. Scott Farm Pegmatite. 2.2-cm xl. SCC14208 and photo.

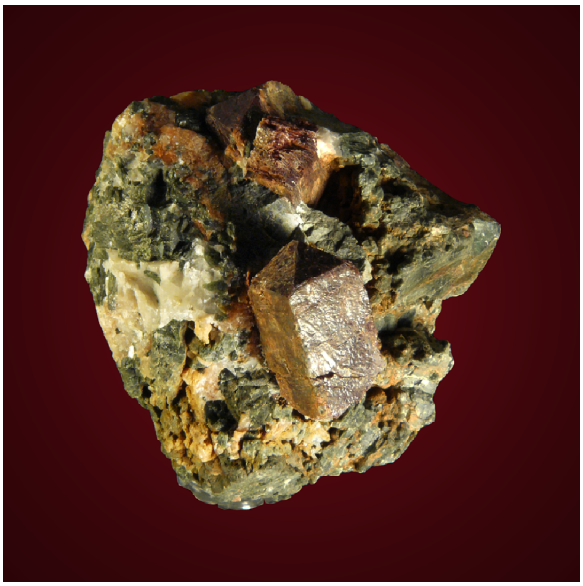
2) Folsom Road Locality (C). *Minerals:* Allanite-(Ce), Diopside, Microcline, Titanite. Cliff on West side of Folsom Road, North of Fine. Town of Fine.
GPS: (44°15'32"N, 75°07'52"W)
Reference: Chamberlain et al., 2020



(L) Allanite-(Ce), Microcline. Folsom Road. 5.5 cm. SCC34944 and photo.
(R) Allanite-(Ce), Microcline. Folsom Road. 24-mm fov. SCC38963 and photo.

Microcline. Folsom Road. 24 cm. SCC38933 and photo.

3) Exposures at Intersection of Rte. 3 and Rte. 58. (C) *Minerals:* Diopside, Fluorite, Microcline, Phlogopite, Quartz, Titanite, Zircon. Southeast of Fine. Town of Fine.
GPS: (44°14'37"N, 75°08'04"W)
References: Robinson & Chamberlain, 2007b; Chamberlain & Walter, 2017; Walter, 2022

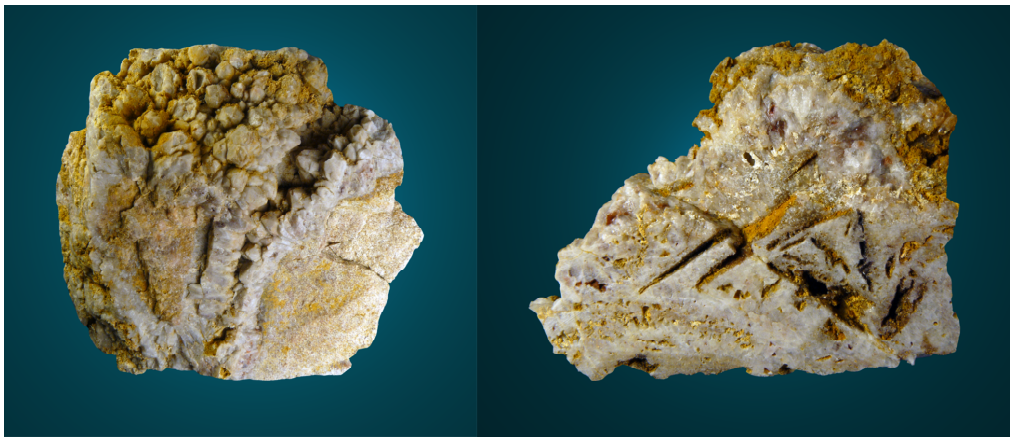


Zircon, Diopside. Rte. 3 and Rte. 58 Intersection. 4.7 cm. SCC11700 and photo.

4) Old Andrus Giles Farm (C). *Minerals:* Pyroxene, Scapolite. East of Rte. 3. Town of Fine.
GPS: (44˚15'51"N, 75˚11'07"W)
Reference: Hough, 1850

5) Rte. 27a Road Cut (C). *Minerals:* Albite, Allanite-(Ce), Diopside, Fluorite, Microcline, Quartz, Titanite. North Side of Rte. 27a, near Scott's Bridge, East of Fine. Town of Fine.
GPS: (44°14'31"N, 75°07'13"W)
Reference: Walter, 2022

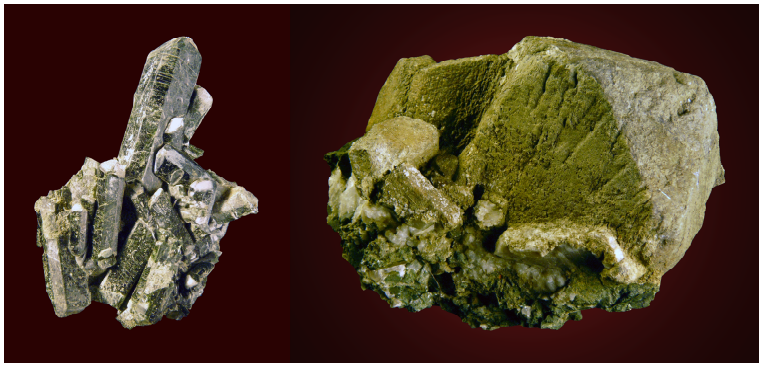
6) Vrooman Ridge Locality (S). *Minerals:* Barite xl cavities in Potsdam Sandstone, Hematite, Quartz (amethystine). Outcrops on Vrooman Ridge along Blue Mountain Road, East of Fine. Town of Fine.
GPS: (44°14'08"N, 75°07'39"W)
Reference: Chamberlain et al., 2020



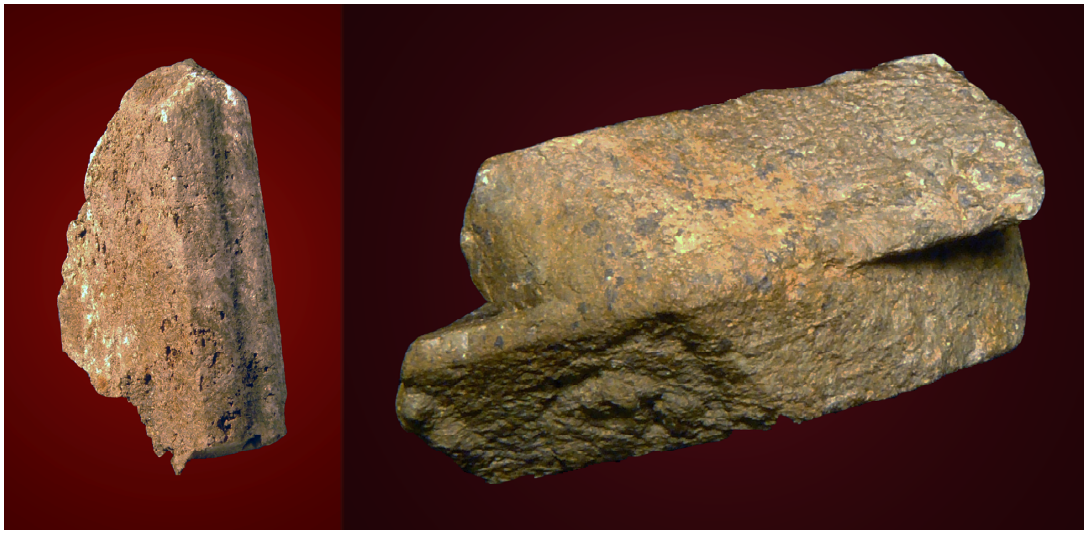
(L) Quartz. Vrooman Ridge. 13 cm. SCC38456 and photo.
(R) Barite xl cavities. Vrooman Ridge. 8.0 cm. SCC38457 and photo

7) The Ravine (C,F). *Minerals:* Allanite-(Ce), Calcite, Diopside, Fluorite, Goethite, Microcline, Phlogopite, Quartz, Talc, Titanite, Tremolite. Narrow Cleft from near intersection of Adirondack Park Road & Ridge Road to the Oswegatchie River, Fine. Town of Fine.
GPS: (44°14'38"N, 75°08'02"W)
Reference: Chamberlain & Carlin, 2021

(L) Quartz. The Ravine. 10 cm. SCC15742 and photo.
(R) Fluorite, Quartz. The Ravine. 8.5 cm. SCC6392 and photo.



(L) Diopside. The Ravine. 5.5 cm. SCC42224 and photo.
(R) Microcline. The Ravine. 8.5 cm. SCC42170 and photo.



(L) Microcline (Carlsbad Twin). The Ravine. 4.5 cm. SCC42245 and photo.
(R) Microcline (Carlsbad Twin). 6.2 cm. SCC42892 and photo.

8) Blue Mountain Diopside Locality (C). *Minerals:* Amphibole, Diopside, Feldspar, Fluorite. Northwest of Blue Mountain and south of Rte. 3. Town of Fine.
GPS: (44°14'09"N, 75°06'31"W)
Reference: Walter, 2022

Diopside. Blue Mountain Diopside Locality. 5 cm. MW03374 and photo.

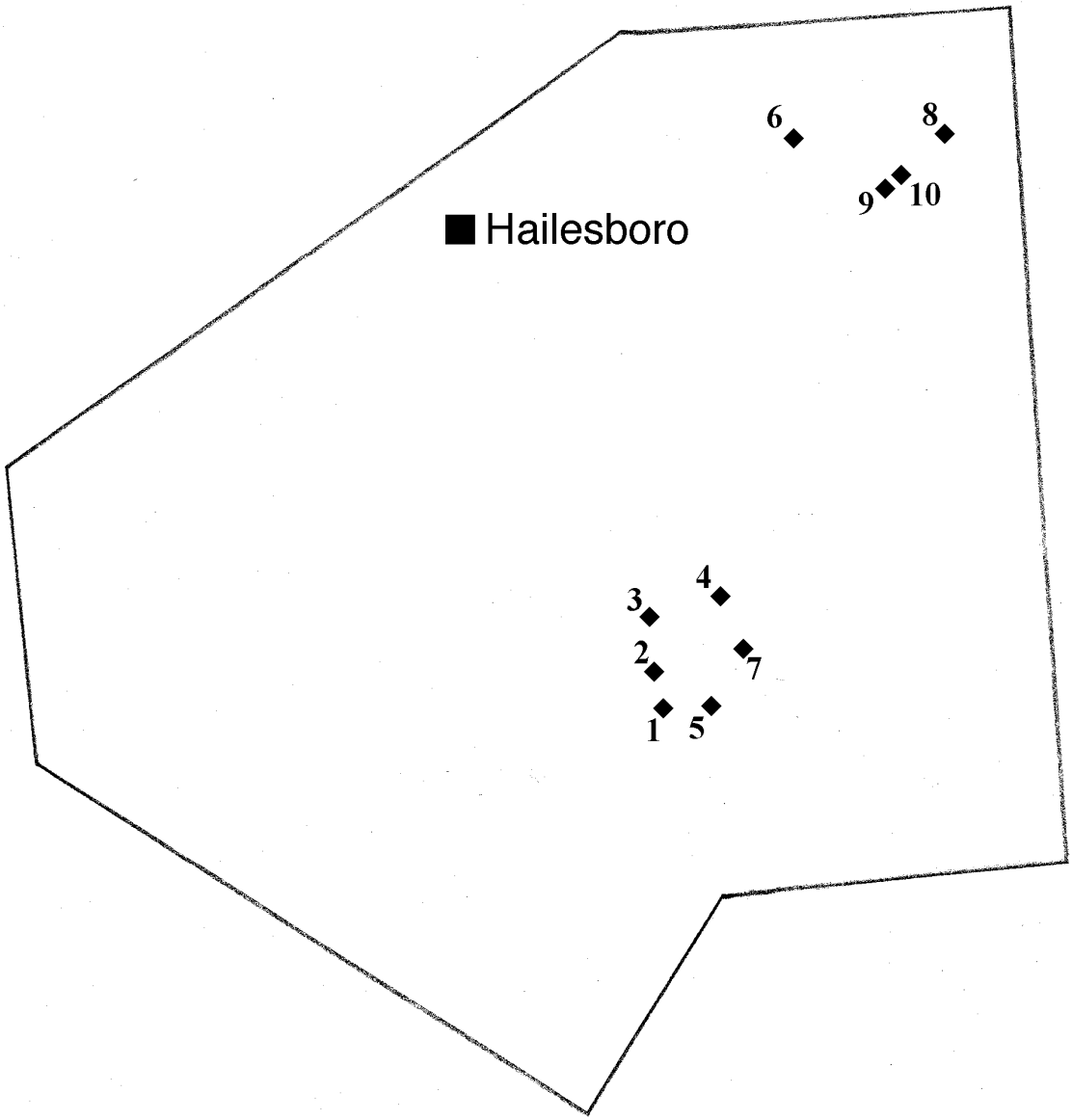
Localities without GPS coordinates (not shown on map)

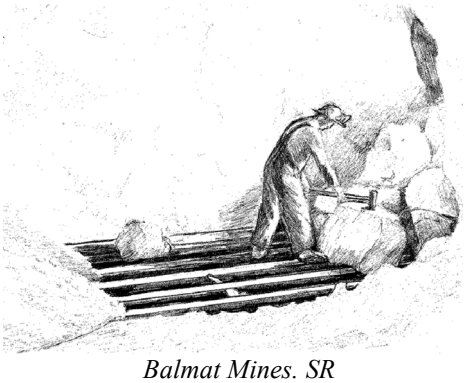
Old Lorenzo Guinip Farm (C). *Minerals:* Titanite, Zircon. Southwest of Fine. Town of Fine.
Reference: Dana, 1898

Little River Mines (C). *Minerals:* Magnetite. Fine. Town of Fine.
Reference: Smock, 1889

Town of Fowler

St. Lawrence County

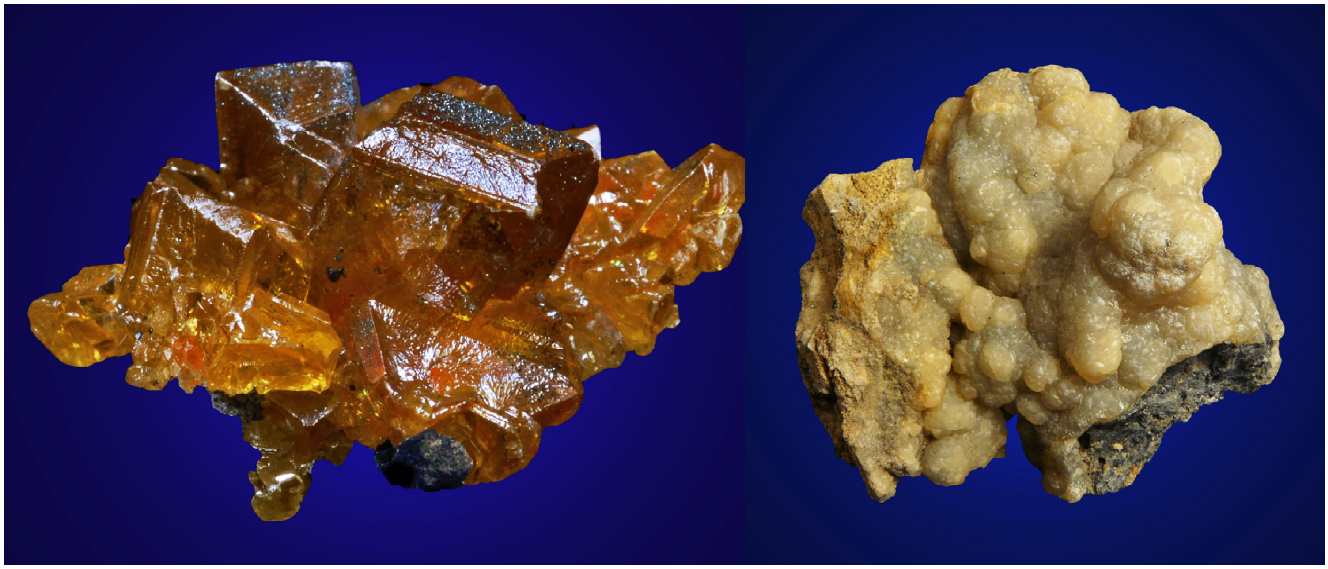




Balmat Mines. SR

Localities with GPS coordinates (shown on map)

1) Balmat No. 2 Mine (C,F). *Minerals:* Calcite, Dufrénoysite, Fluorapatite, Galena, Gypsum, Ilvaite, Lizardite, Magnetite, Pyrite, Quartz, Sepiolite, Siegenite, Smithsonite, Sphalerite, Tetrahedrite, Tremolite, Willemite. Balmat No. 2 Mine (including the Gleason Open Pit), Balmat. Town of Fowler.
GPS: (44°15'08"N, 75°24'01"W)
References: Robinson & Chamberlain, 2007b; Chamberlain et al., 2018

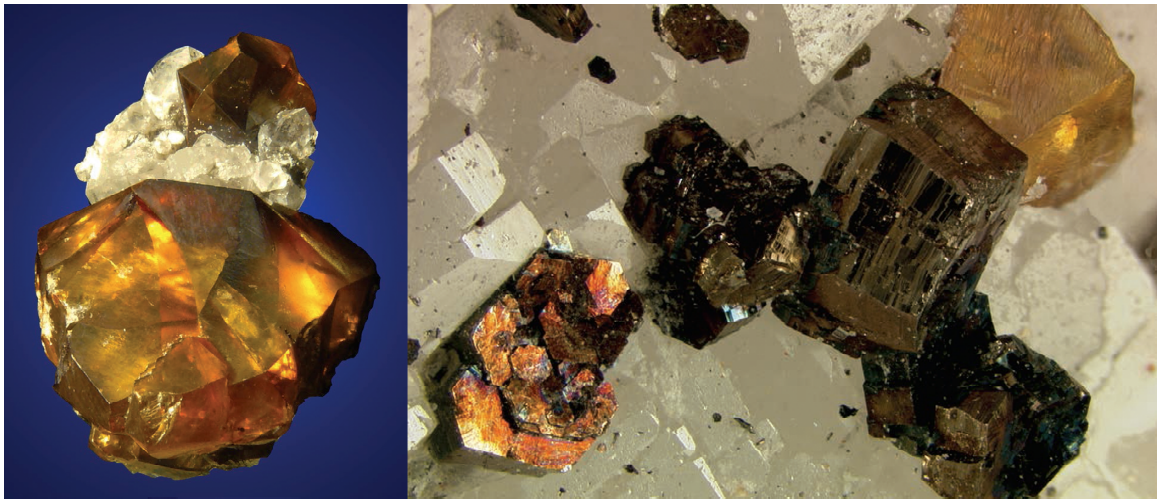


(L) Sphalerite. Balmat No. 2 Mine. 2.5 cm. NYSM23793. SN photo.
(R) Smithsonite. Gleason Open Pit, Balmat No. 2 Mine. 10 cm. SCC15061 and photo.

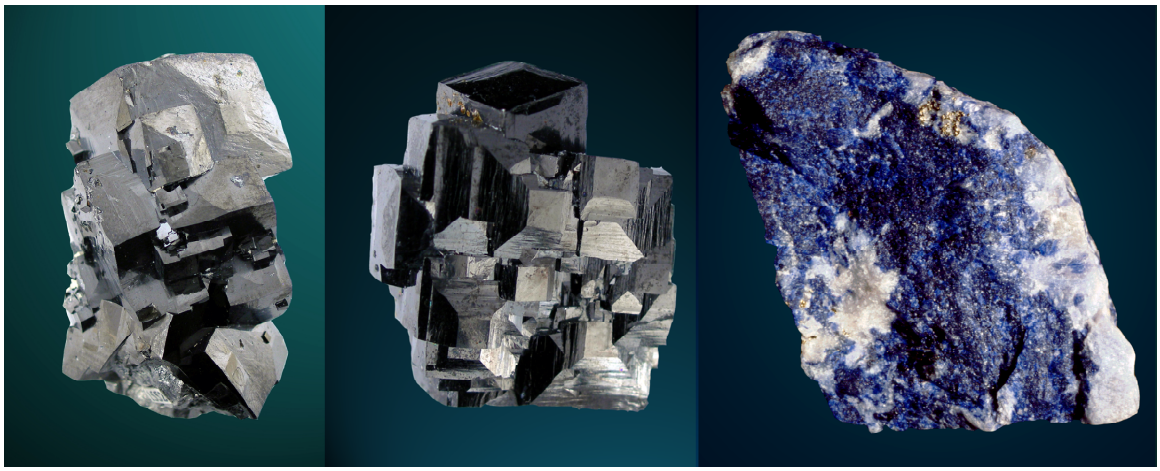
2) Balmat No. 3 Mine (C, F). *Minerals:* Anhydrite, Aurichalcite, Barite, Bournonite, Calcite, Celestine, Chalcopyrite, Devilline, Dolomite, Dufrénoysite, Galena, Geochronite, Gypsum, Hematite, Jordanite, Malachite, Norbergite, Orpiment, Pyrargyrite, Pyrite, Quartz, Realgar, Sartorite, Sepiolite, Silver, Spinel, Tennantite, Tetrahedrite, Titanite, Tremolite, Uvite, Warwickite (low-Fe). Balmat. Town of Fowler.
GPS: (44°16'00"N, 75°24'10"W)
References: Chamberlain, 1992; Robinson & Chamberlain, 2007b; Chamberlain et al., 2018

(L) Calcite. Balmat No. 3 Mine. 20 cm. CMN48626. GWR photo.
(R) Silver. Balmat No. 3 Mine. 4.8 cm. SCC8107 and photo.

3) Balmat No. 4 (Empire State) Mine (C,F). *Minerals:* Anhydrite, Arsenopyrite, Barite, Braunite, Calcite, Chalcopyrite, Chondrodite, Clino-suenoite (Manganocummingtonite, Tirodite), Diopside, Donpeacorite, Dravite, Galena, Halite, Hematite, Kanoite, Lazurite, Lizardite, Magnetite, Millerite, Minium, Montmorillonite, Muscovite, Namuwite, Nantokite, Orpiment, Paratacamite, Phlogopite, Pyrite, Pyroxmangite, Pyrrhotite, Quartz, Realgar, Rhodonite, Richterite, Sartorite, Spessartine, Sphalerite, Svabite, Talc, Tennantite, Tetrahedrite, Tremolite, Turneaureite. Sylvia Lake. Town of Fowler.
GPS: (44°16'21"N, 75°24'11")
References: Chamberlain & Robinson, 1993; Robinson & Chamberlain, 2007b; Morgan et al., 2007; Chamberlain et al., 2007; Chamberlain et al., 2010; Chamberlain et al., 2018; Chamberlain & Walter, 2020



(L) Sphalerite, Quartz. Balmat No. 4 (Empire State) Mine. 3.4 cm. NYSM40985. SCC photo.
(R) Pyrrhotite, Sphalerite. Balmat No. 4 (Empire State) Mine. 4-mm fov. NYSM40891. SCC photo.



(L) Magnetite. Balmat No. 4 Mine. 4.0 cm. SCC11552 and photo.
(C) Magnetite. Balmat No. 4 Mine. 2.4 cm. SCC10756 and photo.
(R) Lazurite. Balmat No. 4 Mine. 6.0 cm. SCC6318 and photo.

4) Ontario Mine (C). *Minerals:* Talc, Tremolite (Hexagonite). Fowler. Town of Fowler.
GPS: (44º16'44"N, 75°21'22"W)
Reference: Robinson & Chamberlain, 2007b

5) Gouverneur Talc Company No. 1 Mine (American Mine, International Talc Company Mine) (C). *Minerals:* Chromo-alumino-povondraite, Cummingtonite, Fluorapatite, Oxy-chromium-dravite, Phlogopite, Pyrite, Quartz, Talc, Cr-rich Tremolite. Gouverneur Talc Company Mines, Balmat. Town of Fowler.
GPS: (44°15'06"N, 75°23'44"W)
References: Robinson & Chamberlain, 2007b; Chamberlain et al., 2018; <mindat.org>

6) Serpentine Pit (C). *Minerals:* Lizardite replacing unknown mineral. West of Chub Lake Road, Hailesboro. Town of Fowler.
GPS: (44°21'08"N, 75°20'09"W)
Reference: Unpublished

7) Arnold Pit and Wight Mine (C). *Minerals:* Braunite, Clino-suenoite (Manganocummingtonite, Tirodite), Edenite (manganese-rich, Parvo-mangano-edenite), Tremolite (Hexagonite), Tremolite (manganese-rich, Parvo-mangano-tremolite), Talc, Uvite. Gouverneur Talc Company Mines, Balmat. Town of Fowler.
GPS: (44°15'06"N, 75°23'44"W)
References: Robinson & Chamberlain, 2007a,b; Chamberlain et al., 2018

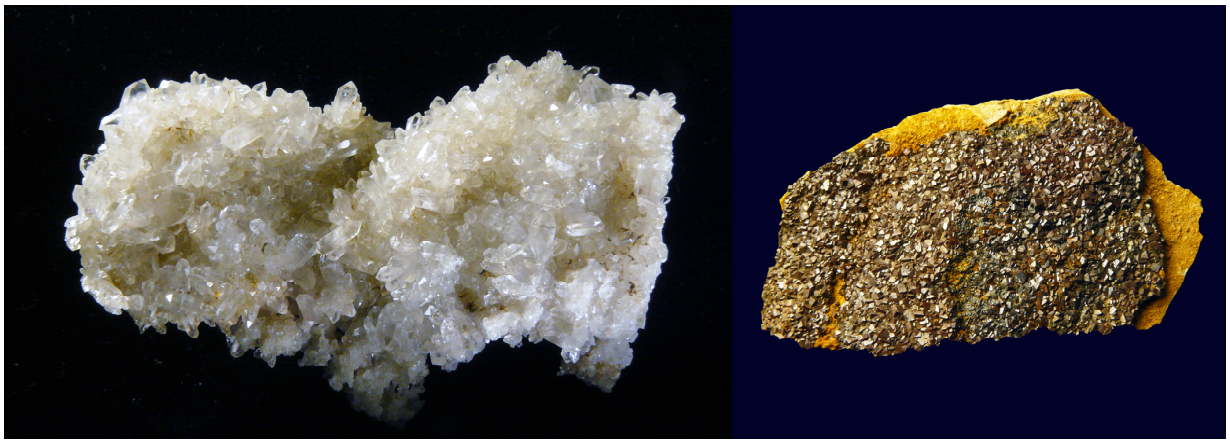
(L) Tremolite (Hexagonite). Arnold Pit. 8.4 cm. SCC9193 and photo.
(R) Friedelite. Arnold Pit. 0.5-mm fov. NYSM24942. SCC photo.

8) Chub Lake Prospect (F). *Minerals:* Barite, Calcite, Goethite, Goethite ps. Marcasite, Goethite ps. Pyrite, Hematite, Hematite ps. Quartz (ferruginous and black), Marcasite, Pyrite, Quartz ps. Barite, Quartz. Max Tessmer Farm, Hailesboro. Town of Fowler.
GPS: (44°19'56"N, 75°21'34"W)
References: Robinson & Chamberlain, 2007b; Chamberlain & Robinson, 2013; Chamberlain et al., 2019; Walter, 2022

(L) Hematite, Quartz. Chub Lake Prospect. 9 cm. NYSMC9492. SCC photo.
(R) Quartz, Hematite. Chub Lake Prospect. 6.5 cm. NYSMC4371. MW photo.

(L) Quartz. Chub Lake Prospect. 3.0 cm. SCC12183 and photo.
(C) Barite, Hematite. Chub Lake Prospect. 3.0 cm. NYSM20929 JS photo.
(R) Calcite, Hematite. Chub Lake Prospect. 5.5 cm. SCC12216. MW photo.

9) Chub Lake Road Calcite Pocket and Hydrothermal Vein (F). *Minerals:* Calcite, Dolomite, Goethite ps. Pyrite, Graphite, Hematite, Quartz, Siderite. North of Hailesboro. Town of Fowler.
GPS: (44°19'03"N, 75°25'31"W)
Reference: Walter, 2022



(L) Quartz. Chub Lake Road Hydrothermal Vein. 8.0 cm. SCC35143 and photo.
(R) Goethite ps. Pyrite. Chub Lake Road Hydrothermal Vein. 8.5 cm. SCC35138 and photo.

10) Chub Lake Road Gash Vein (F). *Minerals:* Calcite, Dolomite, Goethite, Graphite, Marcasite, Pyrite. North Hailesboro. Town of Fowler.
GPS: (44°19'56"N, 75°21'34"W)
Reference: Unpublished

Calcite. Chub Lake Road Gash Vein. 7.0 cm. SCC35285 and photo.

Localities without GPS coordinates (not shown on map)

Dolomite Road Cut (F). *Minerals:* Calcite, Dolomite. Road Cut on Rte. 58, Fowler. Town of Fowler.
Reference: Unpublished

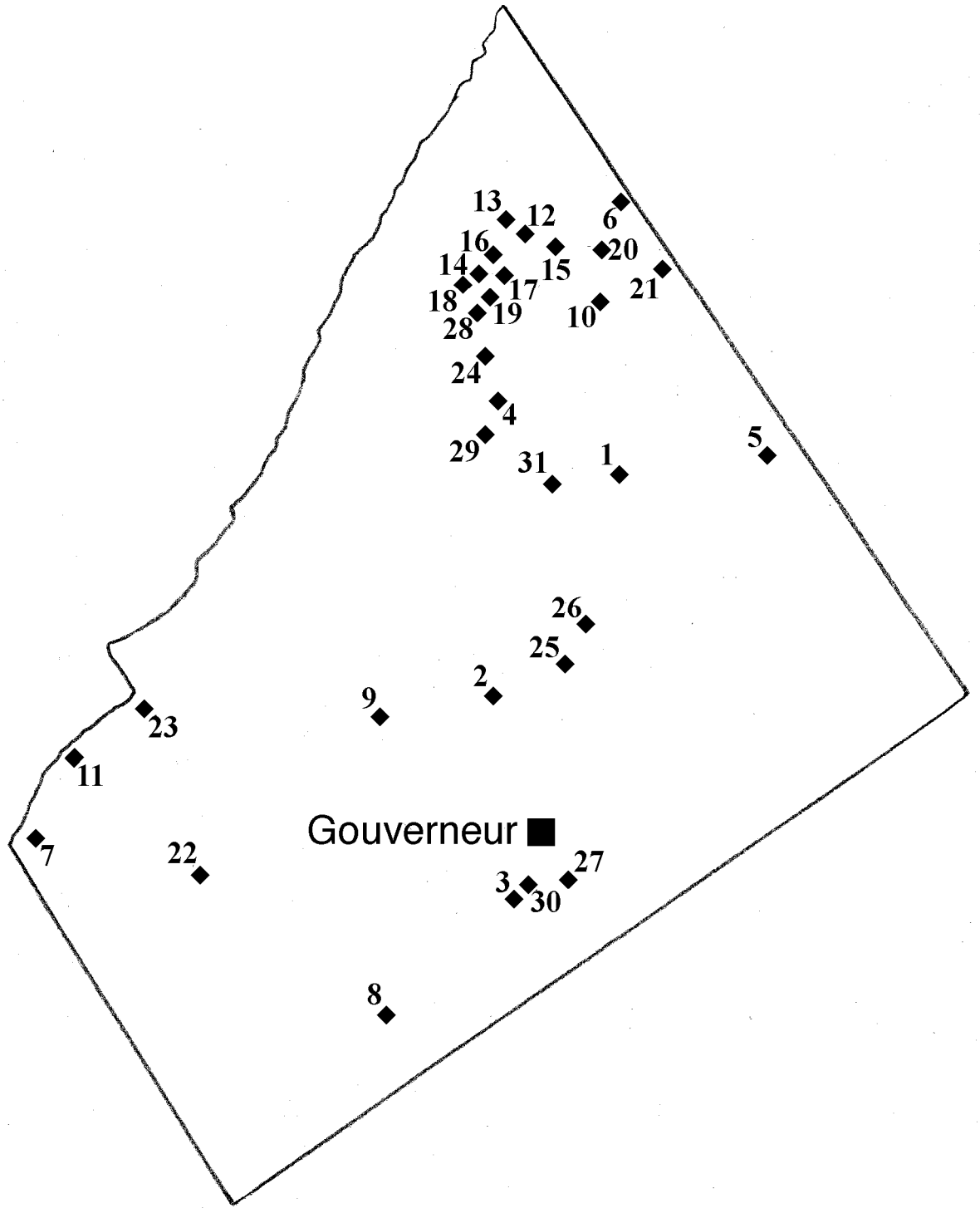
Calcite, Dolomite. Fowler Rte. 58 Road Cut. 6.4 cm. SCC23484 and photo.

Erdman Property (F). *Minerals:* Calcite, Fluorite, Goethite, Uvite. Basement Excavation, Chub Lake Road, Hailesboro. Town of Fowler.
Reference: Unpublished

Hematite Road Cut (F). *Minerals:* Barite, Hematite, Quartz. Road Cut on Rte. 58, Fowler. Town of Fowler.
Reference: Unpublished

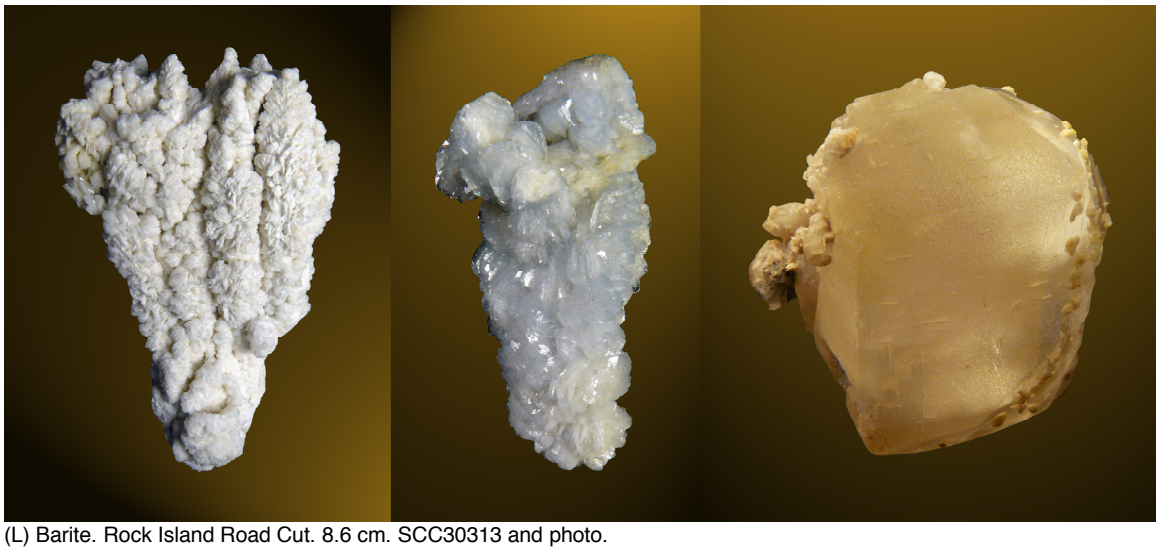
Town of Gouverneur

St. Lawrence County

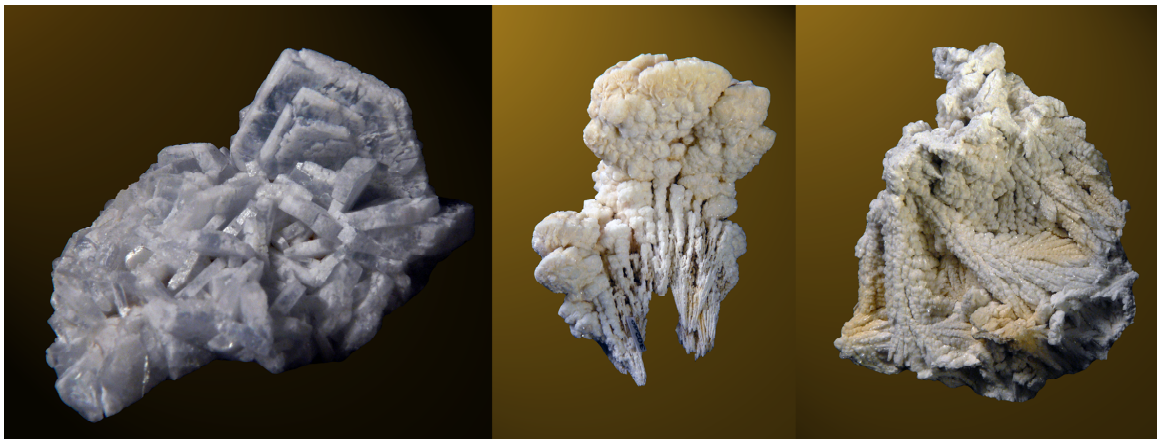


Localities with GPS coordinates (shown on map)

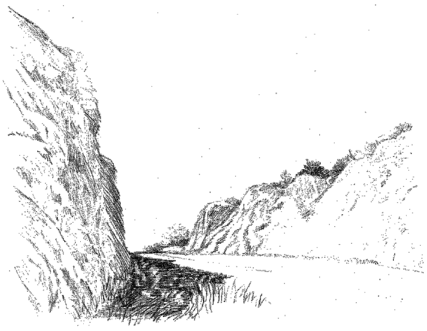
1) Rock Island Road Cut (F). *Minerals:* Anhydrite xl cavities, Barite, Calcite, Dolomite, Goethite, Marcasite, Pyrite, Quartz. Road Cut in Rock Island Road just north of Welsh Road, Richville. Town of Gouverneur.
GPS: (44°23'29"N, 75°27'14"W)
References: Robinson & Chamberlain, 2007b; Chamberlain et al., 2013c; Chamberlain & Walter, 2016; Walter, 2022



(L) Barite. Rock Island Road Cut. 8.6 cm. SCC30313 and photo.
(C) Barite. Rock Island Road Cut. 5.6 cm. SCC30257 and photo.
(R) Calcite, Barite. Rock Island Road Cut. 4.1 cm. SCC30444 and photo



(L) Barite. Rock Island Road Cut. 3.4 cm. SCC20238 and photo.
(C) Barite. Rock Island Road Cut. 5.7 cm SCC30249 and photo.
(R) Barite. Rock Island Road Cut. 7.3 cm. SCC30254 and photo.



Rock Island Road Cut. SR

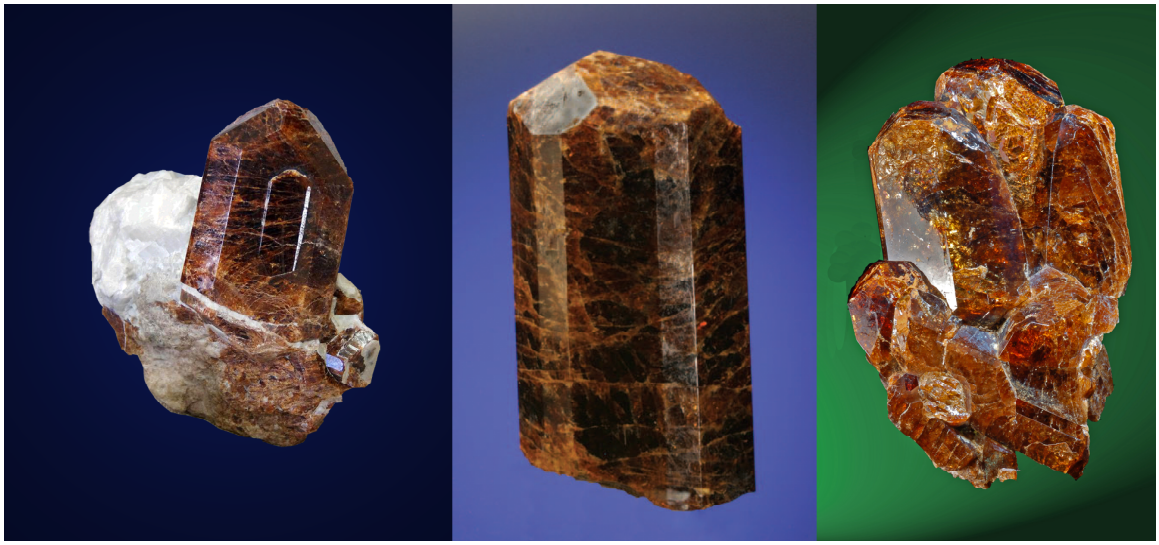
(L) Barite. Rock Island Road Cut. 11 cm. SCC30825 and photo.
(R) Barite. Rock Island Road Cut. 9 cm. SCC31570 and photo.

2) Beaman Road Barite Locality (F). *Minerals:* Barite, Calcite, Dolomite, Goethite, Graphite, Pyrite, Quartz. Gouverneur. Town of Gouverneur.
GPS: (44°21'50"N, 75°29'23"W)
References: Walter & Chamberlain, 2004; Robinson & Chamberlain, 2007b; Walter, 2022

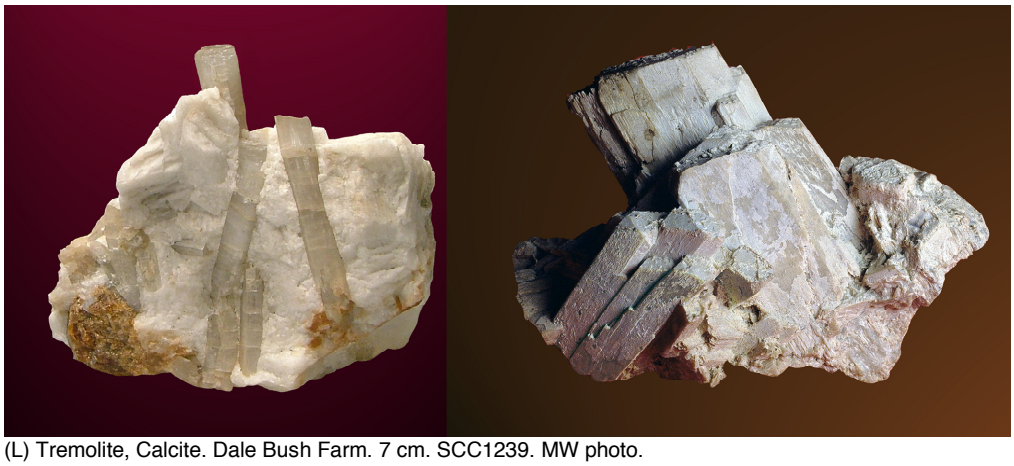
3) Marble Quarries (C,F). *Minerals:* Calcite, Fluorapatite, Fluor-uvite, Graphite, Quartz, Scapolite. South of Gouverneur. Town of Gouverneur.
GPS: (44°19'33"N, 75°28'52"W)
Reference: Robinson & Chamberlain, 2007b

4) LaLonde Dravite Locality (C). *Minerals:* Albite, Dravite, Quartz, Titanite. Justin Leeson Property, Lead Mine Road, Gouverneur. Town of Gouverneur.
GPS: (44°24'14"N, 75°29'34"W)
Reference: Walter, 2022

5) Dale Bush (Reese, Gomer Jones) Farm (C). *Minerals:* Diopside, Fluorapatite, Fluor-uvite, Pyrite, Talc ps. Tremolite, Talc ps. Quartz, Tremolite. Welsh Road, Richville. Town of Gouverneur.
GPS: (44°23'47"N, 75°25'58"W)
References: Agar, 1921; Robinson & Chamberlain, 2007b; Chamberlain & Robinson, 2013; Robinson et al., 2016; Walter, 2022



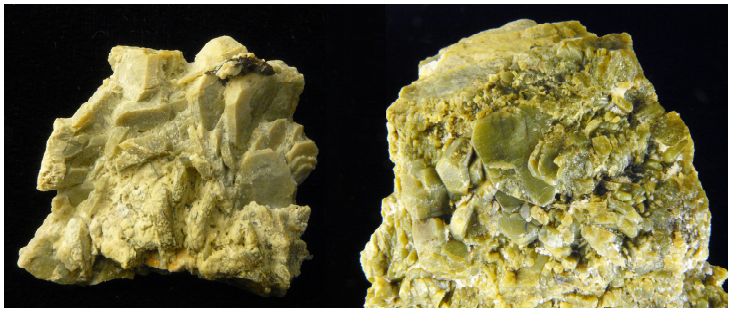
(L) Fluor-uvite, Calcite. Dale Bush Farm. 6-cm xl. Geological Museum of London specimen. GWR photo.
(C) Fluor-uvite. Dale Bush Farm. 6.5 cm. WdL specimen. GWR photo.
(R) Fluor-uvite. Dale Bush Farm. 8 cm. NYSM24022. SN photo.



(L) Tremolite, Calcite. Dale Bush Farm. 7 cm. SCC1239. MW photo.
(R) Diopside. Dale Bush Farm. 10 cm. NYSM specimen. SCC photo.

6) Tourmaline Occurrence (C). *Minerals:* Calcite, Feldspar, Graphite, Pyrite, Quartz, Sphalerite, Tourmaline. Just west of County Rte. 11, north of North Gouverneur. Town of Gouverneur.
GPS: (44°26'43"N, 75°27'33"W)
Reference: Brown, 1983 – loc. #72A

7) Campbell Road Serpentine Body (C,F). *Minerals:* Calcite, Fluorapatite, Harkerite (?), Lizardite, Lizardite ps. Olivine, Talc, Tremolite. Elmdale. Town of Gouverneur.
GPS: (44°20'17"N, 75°34'40"W)
Reference: Unpublished



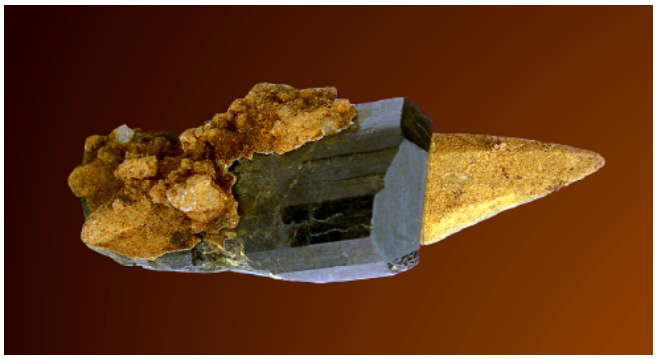
(L) Lizardite ps. Olivine. Campbell Road Serpentine Body. 6.7 cm. SCC14570 and photo.
(R) Lizardite ps. Olivine. Campbell Road Serpentine Body. 4.5 cm. SCC14568 and photo.

8) Rylestone Quarry (C,F). *Minerals:* Calcite, Dravite. South of Gouverneur. Town of Gouverneur.
GPS: (44°18'29"N, 75°31'37"W)
References: Robinson & Alverson, 1971; Walter, 2022

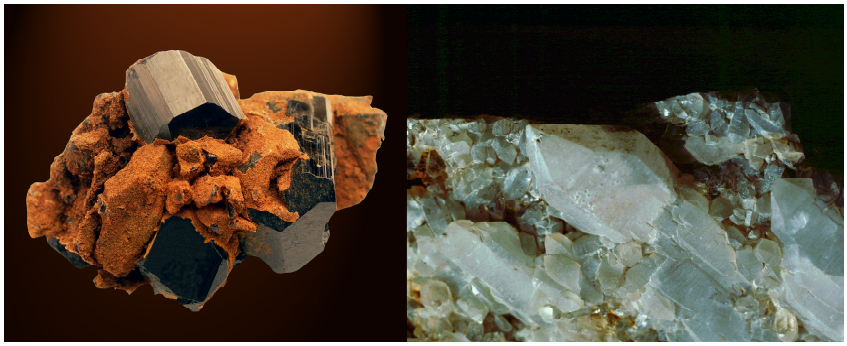
Calcite. Rylestone Quarry. 3.5 cm. SCC37120 and photo.

9) Little Bow Road Cut (C,F). *Minerals:* Calcite, Phlogopite. Little Bow Road, Gouverneur. Town of Gouverneur.
GPS: (44°21'35"N, 75°30'58"W) \
Reference: Unpublished

10) Fluor-dravite Road Cut (C). *Minerals:* Diopside, Fluorapatite, Fluor-dravite, Goethite, Microcline, Phlogopite, Quartz, Titanite, Tremolite, Zircon. Cream of the Valley Road, Gouverneur. Town of Gouverneur.
GPS: (44°25'42"N, 75°27'49"W)
References: Robinson & Chamberlain, 2007b; Chamberlain et al., 2008; Walter, 2022



Fluor-dravite, Quartz. Fluor-dravite Road Cut. 3.5 cm. SCC15332 and photo.



(L) Fluor-dravite. Fluor-dravite Road Cut. 4.0 cm. SCC15330 and photo.
(R) Quartz. Fluor-dravite Road Cut. 16.3 cm. SCC15312 and photo.

11)Campbell Road Calcite Cave (C,F). *Minerals:* Calcite, Graphite. Elmdale. Town of Gouverneur.
GPS: (44°21'05"N, 75°33'58"W)
Reference: Unpublished

12) Hall Farm (C). *Minerals:* Fluor-uvite, Microcline, Tremolite. North Gouverneur.
GPS: (44°26'03"N, 75°29'03"W)
References: Brown, 1983 – loc. #75; Robinson & Chamberlain, 2007b; Walter 2002

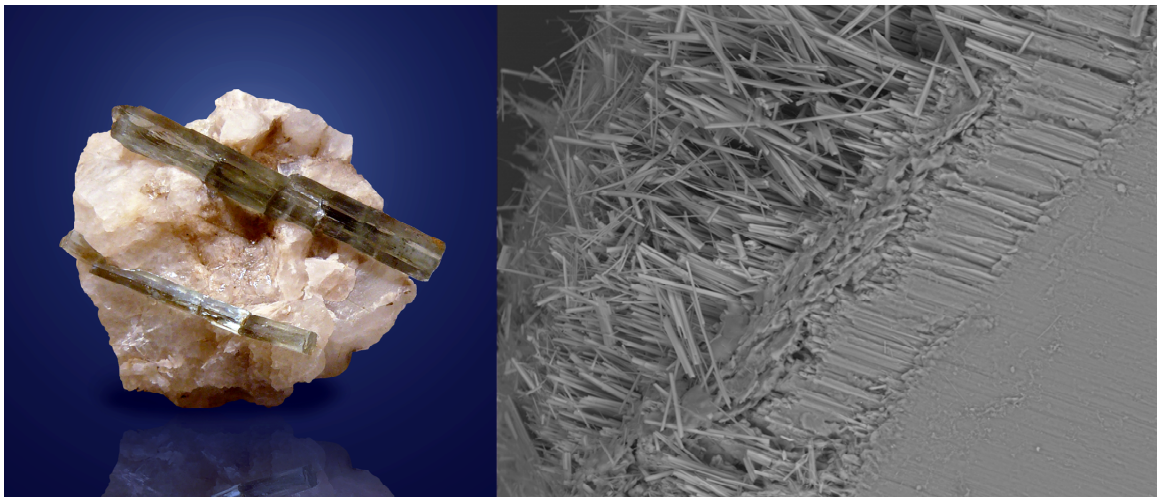
Fluor-uvite. Hall Farm. 3.2 cm. SCC11789 and photo.

13)Hill above Hall Farm (C). *Minerals:* Calcite, "Chlorite", Fluor-dravite, Graphite, Microcline, Quartz. Hill above Hall Farm, Morrison Road, North Gouverneur. Town of Gouverneur.
GPS: (44°26'11"N, 75°28'39"W)
Reference: Brown, 1983 – near loc. #75

Fluor-dravite, Calcite. Hill above Hall Farm. 9.4 cm. SCC16674 and photo.

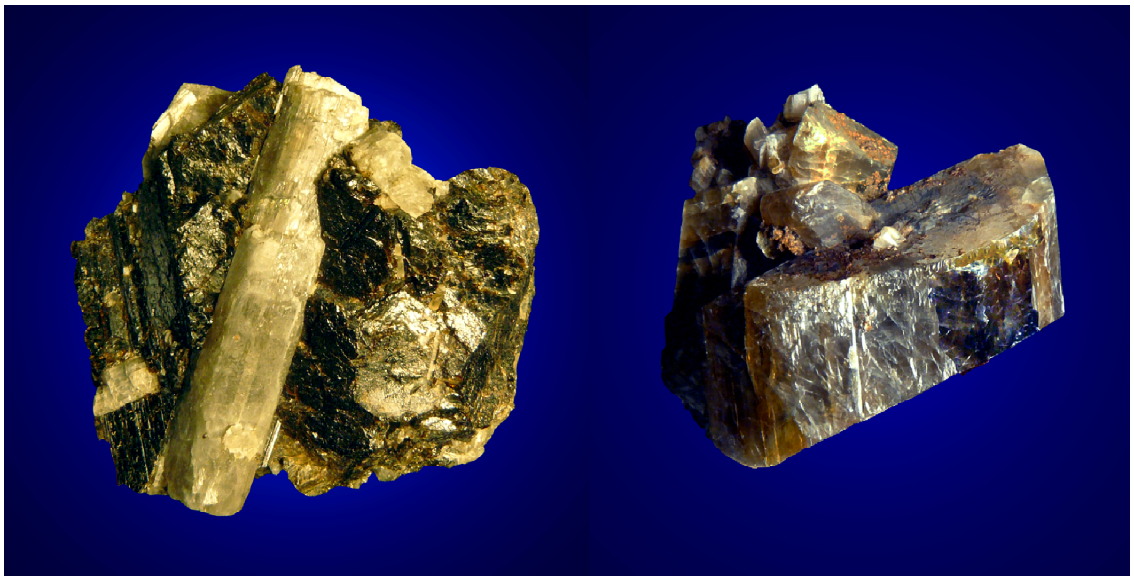
14)Dravite Locality (C). *Minerals:* Dravite, Quartz, Tremolite. Brown Loc. #78, North Gouverneur. Town of Gouverneur.
GPS: (44°25'32"N, 75°29'54"W)
Reference: Brown, 1983 – loc. #78)

15)Carlin-Martin Tremolite Prospect (C). *Minerals*: Calcite, Fluor-uvite, Quartz, Tremolite. Hall Farm Southwest Occurrence, Morrison Road, Gouverneur. Town of Gouverneur.
GPS: (44°26'00"N, 75°29'07"W)
Reference: Walter, 2022



(L) Tremolite, Calcite. Carlin-Martin Tremolite Prospect. 6.2 cm. MW specimen and photo.
(R) Tremolite termination. 320-μm fov. SCC specimen. DB & SCC SEM photo.

16)Hall Farm Deep (C). *Minerals:* Albite, Calcite, Fluor-uvite, Talc, Tremolite. Deep in farm far from Morrison Road, North Gouverneur. Town of Gouverneur.
GPS: (44°25'42"N, 75°29'14"W)
Reference: Unpublished)



(L) Tremolite, Fluor-uvite. Hall Farm Deep. 4.5 cm. SCC41508 and photo.
(R) Tremolite. Hall Farm Deep. 4.7 cm. SCC38093 and photo.

17) Hall Farm Gash Vein (F). *Minerals:* Calcite, Chalcopyrite, Dolomite. Deep in Hall Farm off Morrison Road, North Gouverneur. Town of Gouverneur.
GPS: (44°25'41"N, 75°29'14"W)
Reference: Unpublished

Calcite. Hall Farm Gash Vein. 9.7 cm. SCC42502 and photo.

18)Morrison Road Gash Vein (F). *Minerals:* Calcite, Chalcopyrite, Dolomite, Graphite. Pyrite, Quartz. End of Morrison Road, North Gouverneur. Town of Gouverneur.
GPS: (44°26'34"N, 75°29'17"W)
References: Unpublished

Calcite. Morrison Road Gash Vein. 3.8 cm. SCC30240 and photo.

19)Carlin Fluorite Gash Vein (F). *Minerals:* Calcite, Fluorite. Hall Farm, North Gouverneur. Town of Gouverneur.
GPS: (44°26'32"N, 75°29'17"W)
Reference: Unpublished

(L) Fluorite. Carlin Fluorite Gash Vein. 6.2 cm. SCC 41798 and photo.
(R) Fluorite. Carlin Fluorite Gash Vein. 4.7 cm. SCC41689 and photo.

20)Borrow Pit (C). *Minerals:* Quartz, Schorl. Intersection of Morrison and Cream of the Valley Roads, Gouverneur. Town of Gouverneur.
GPS: (44°25'40"N, 75°27'52"W)
Reference: Unpublished

Schorl, Quartz. Borrow Pit at Intersection of Morrison and Cream of the Valley Roads. 6.0 cm. SCC30816 and photo.

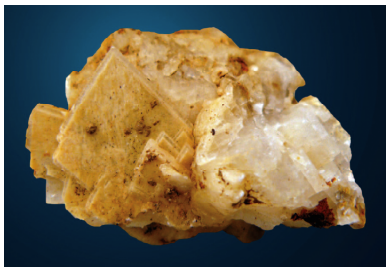
21)Dravite & Tremolite Locality (C). *Minerals:* Dravite, Tremolite. Exposures beyond the end of Morrison Road, North Gouverneur. Town of Gouverneur.
GPS: (44°26'00"N, 75°26'24"W)
Reference: Brown, 1983 – loc. #70

Dravite. Dravite & Tremolite Locality. 7.5-cm xl. SCC41800 and photo.

22)Mullin (Old Foster) Farm (F). *Minerals:* Calcite, Chalcopyrite, Dolomite, Quartz. Kearney Road. Town of Gouverneur.
GPS: (44˚20'04"N, 75˚32'25"W)
Reference: Nims, 1886

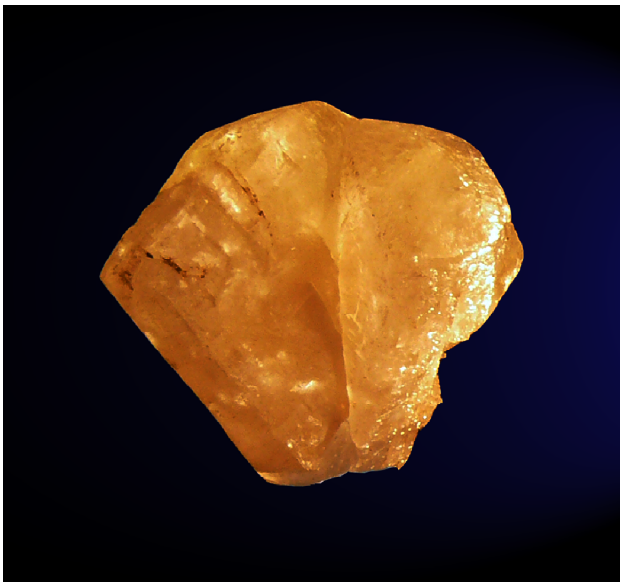
Calcite (twin). Mullin Farm. 7.2 cm. SCC35336 and photo.

23)Morning Star Property (F). *Minerals:* Barite, Calcite, Dolomite, Quartz. Gash Vein in Road Cut on Yellow Lake Road. Town of Gouverneur.
GPS: (44°21'44"N, 75°33'26"W)
References: Chamberlain & Walter, 2017; Walter, 2022



Barite. Morning Star Property. 5.5 cm. MW specimen and photo.

24)LaLonde Gash Vein (F). *Minerals:* Calcite, Graphite, Magnesio-ferri-hornblende (in wall rock), Quartz, Scapolite. Justin Leeson Property, Gouverneur. Town of Gouverneur.
GPS: (44°24'48"N, 75°29'59"W)
Reference: Walter, 2022



Calcite (twin). LaLonde Gash Vein. 2.4 cm. SCC35344 and photo.

25)Gardenscapes (Imerys Marble, Basins) Quarry (F). *Minerals:* Calcite, Quartz. Seavey Road, 3 miles north of Gouverneur. Town of Gouverneur.
GPS: (44°22'50"N, 75°28'14"W)
Reference: Unpublished

26)Amasa Corbin Mine (C). *Minerals:* Garnet. 3 miles north of Gouverneur. Town of Gouverneur.
GPS: (44°23'N, 75°28' W)
Reference: Newland, 1919

27)Balducci Quarry. *Minerals:* Calcite, Uvite-Dravite. South end of Parker Street, Gouverneur. Town of Gouverneur.
GPS: (44˚19'39"N, 75˚28'27"W)
References: Newland, 1913; Robinson & Alverson, 1971

Fluorapatite, Calcite. Balducci Quarry. 13.5-cm xl. NYSM specimen. SCC photo.

28)Justin Leeson Calcite Locality (F). *Minerals:* Calcite, Diopside, Magnesio-ferri-hornblende, Quartz. 150 meters south of the end of Lead Mine Road. Town of Gouverneur.
GPS: (44°25'04"N, 75°29'34"W)
Reference: Walter, 2021

29)Justin Leeson Dravite Locality (C). *Minerals:* Albite, Dravite, Quartz, Titanite. 200 meters south of the end of Lead Mine Road. Town of Gouverneur.
GPS: (44°24'14"N, 75°29'34"W)
Reference: Walter, 2021

30)Quarry Road Locality (C). *Minerals:* Calcite, Microcline, Phlogopite, Quartz, Scapolite, Titanite, Uvite. Exposures on both sides of Quarry Road, east of US. Rte. 11, south of Gouverneur. Town of Gouverneur.
GPS: (44°19'27"N, 75°28'46"W)
Reference: Chamberlain & Walter, 2017

31)Stevens Road at Cream of the Valley Road (F). *Minerals:* Anhydrite xl cavities, Calcite, Dolomite, Quartz. Gouverneur. Town of Gouverneur.
GPS: (44°23'39"N, 75°29'46"W)
Reference: Chamberlain & Walter, 2017

Localities without GPS coordinates (not shown on map)

Almandine Locality (C). *Minerals:* Almandine (in gneiss), Quartz. 1.5 miles northeast of Gouverneur. Town of Gouverneur.
Reference: Whitlock, 1903

Barite Locality (C). *Minerals:* Barite, Biotite, Graphite, Tremolite (fibrous), Vesuvianite. Elmdale (Smith Mills), 4.5 miles west of Gouverneur. Town of Gouverneur.
Reference: Whitlock, 1903

Calcite Locality (F). *Minerals:* Calcite, Dolomite. 2 miles below Natural Dam, on the left bank of the Oswegatchie River. Town of Gouverneur.
References: Hough, 1853; Nims, 1886

Fluorite Locality (F). *Minerals:* Calcite, Fluorite. Near the Rock Island Bridge. Town of Gouverneur.
References: Hough, 1853; Nims, 1886

Gouverneur-Oxbow Road Cut (C). *Minerals:* Diopside, Feldspar, Garnet, Hornblende, Mica. Road cut on north side of Gouverneur-Oxbow Road, on Gouverneur side of the "school", Gouverneur. Town of Gouverneur.
Reference: Agar, 1921

Griffin School (F). *Minerals:* Barite, Fluorite. 2 miles north of Griffith School (or Bridge), North Gouverneur. Town of Gouverneur.

Reference: Hough, 1853

Houghite Locality (C). *Minerals:* Dolomite, Phlogopite, Serpentine, Serpentine ps. Spinel (Houghite), Spinel. 1.5 miles north of Somerville (possibly along the McAllister Road). Town of Gouverneur.
Reference: Dana, 1898

James Morse Farm (C,F). *Minerals:* Barite, Hematite, Pyrite (large octahedrons), Serpentine. Iron Ore Bed on Old James Morse Farm. Town of Gouverneur.
Reference: Hough, 1853

Joel Smith Farm (F). *Minerals:* Quartz (beta form). Workings for Iron Ore on Old Joel Smith farm. Town of Gouverneur.
Reference: Hough, 1850

Judge Dodge Property (F). *Minerals:* Barite, Fluorite. 2 miles north-northwest of Griffith Bridge. Town of Gouverneur.
Reference: Dana, 1898

Northwoods Road Cut (C). *Minerals:* Mica. Road cut on west side of Northwoods Road halfway between Battle Hill Road and Chub Lake Road. Town of Gouverneur.
Reference: Alverson

Phlogopite Locality (C). *Minerals:* Amphibole (green xls), Apatite, Phlogopite (large sheets), Pyrite, Pyroxene, Titanite, Tourmaline (highly modified brown xls). 4.5 miles north of Gouverneur. Town of Gouverneur.
Reference: Whitlock, 1903

Pyrite Locality (C). *Minerals:* Graphite, Pyrite (cube, octahedron, dodecahedron combinations). Town of Gouverneur.
References: Hough, 1850, 1853

Reservoir Hill (C). *Minerals:* Tourmaline or Chondrodite. Hailesboro. Town of Gouverneur.
Reference: Slocum, 1948

Robinson Road Gravel Pit (F). *Minerals:* Calcite, Dolomite. Gravel Pit on north side of Robinson Road at its midpoint. Town of Gouverneur on the Macomb Town Line.
Reference: Alverson

Serpentine Locality (C). *Minerals:* Amphibole, Fluorite, Serpentine (pseudomorphs and verd antique), Tourmaline. 1 mile southwest of Gouverneur (marble quarries). Town of Gouverneur.
Reference: Whitlock, 1903

Storie Farm. *Minerals:* Gypsum (satin spar), "Tourmaline". Old Storie farm, Wegatchie. Town of Gouverneur.
Reference: Hough, 1950

Sullivan Farm (C). *Minerals:* Graphite, Microcline. Old Sullivan farm, near Natural Dam. Town of Gouverneur
Reference: NYSM Collection, Albany, NY; Unpublished

Tourmaline Locality (C). *Minerals:* Tourmaline (brown), Tremolite. Little Bow Road. Town of Gouverneur.
References: Unpublished

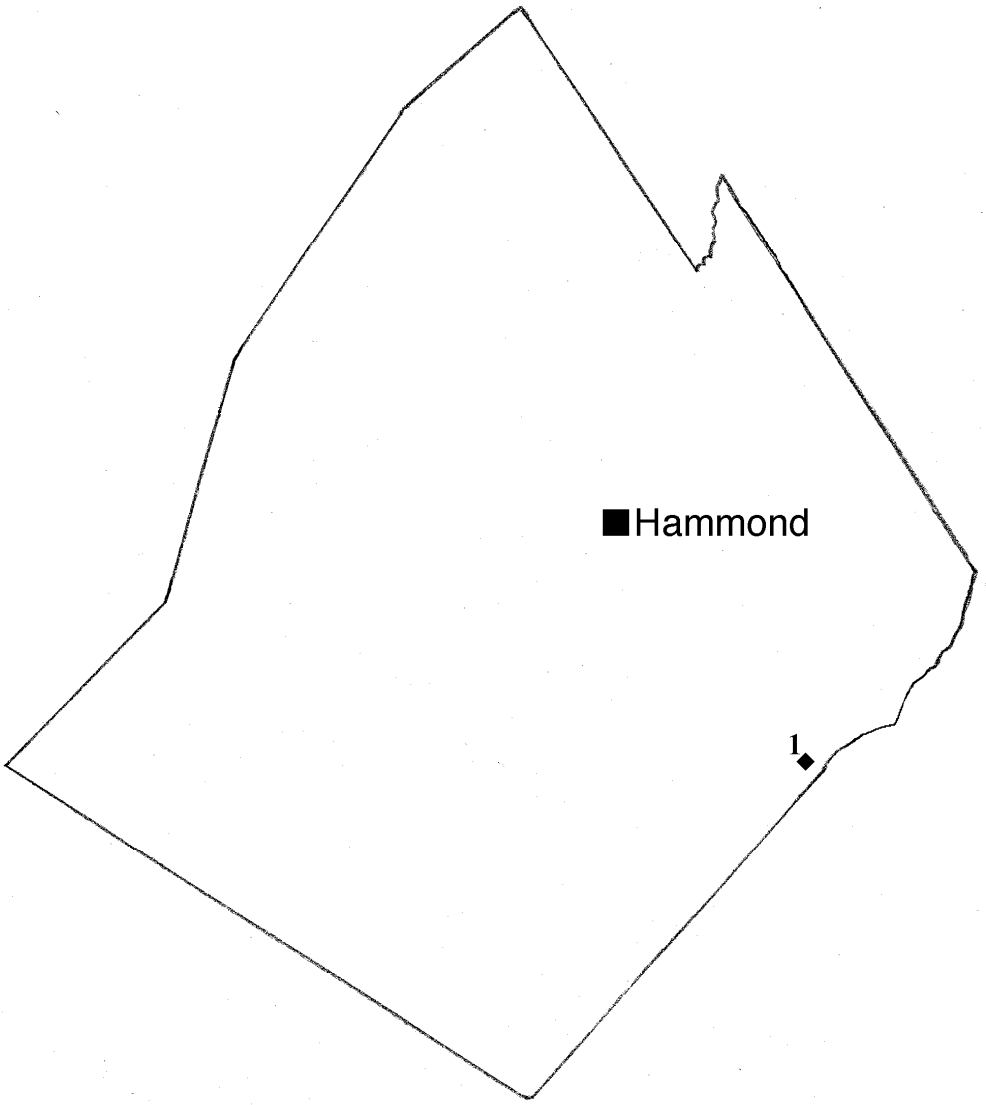
Vesuvianite Locality (C). *Minerals:* Apatite, Fluorite, Orthoclase, Pyroxene, Serpentine, Talc (Rensselaerite), Titanite, Tourmaline, Vesuvianite. 1 mile south of Gouverneur. Town of Gouvereneur.
Reference: Whitlock, 1903

Vilas Ingram Farm (C). *Minerals:* Tourmaline (light brown, dark brown, black) in Quartz veins. Vilas Ingram farm and neighboring properties, near Gouverneur. Town of Gouverneur.
Reference: Agar, 1921

Dale Bush Farm. SR

Town of Hammond

St. Lawrence County



Localities with GPS coordinates (shown on map)

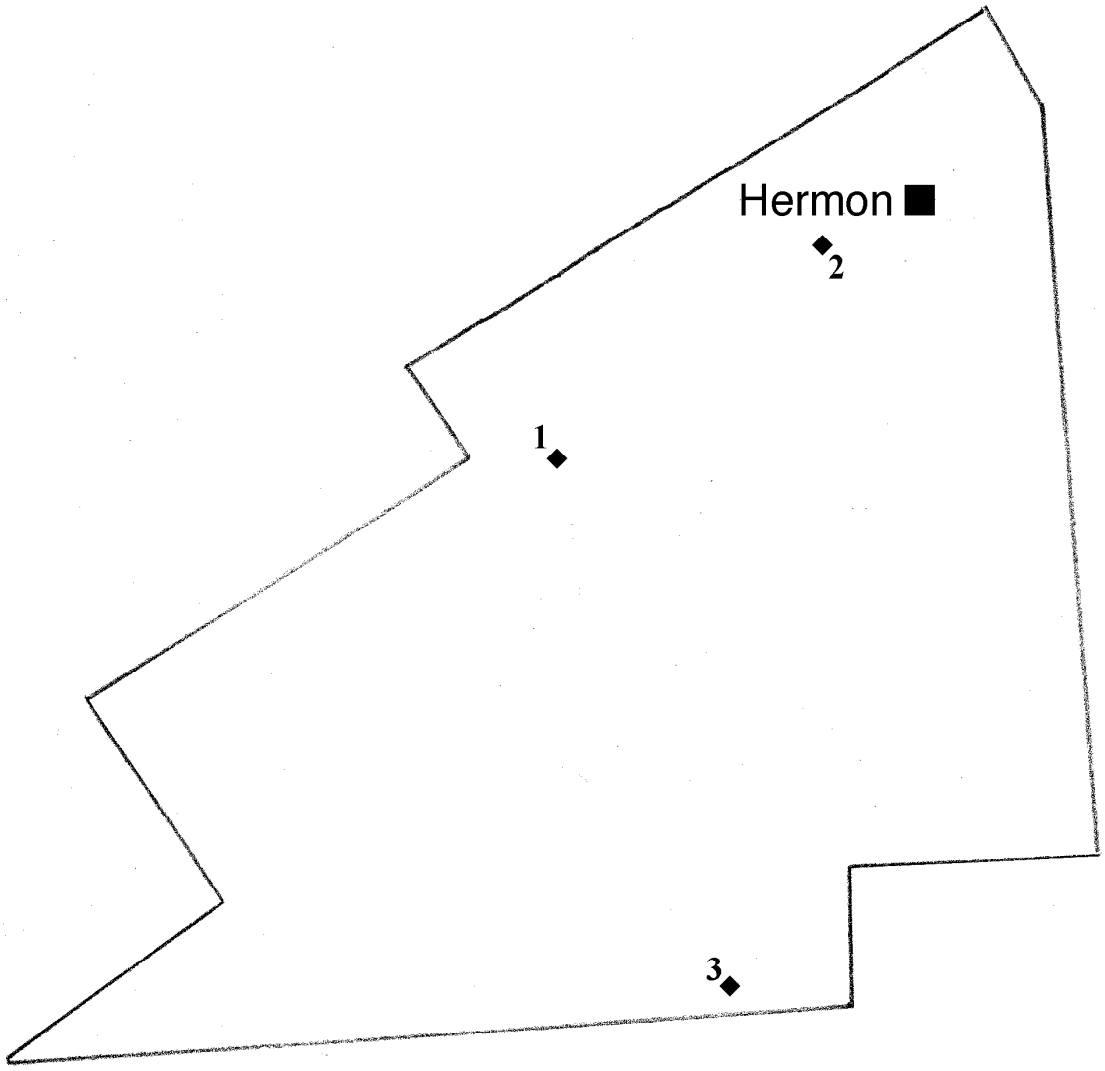
1) Mile Arm Bay (C). *Minerals:* Apatite (crystals to 5 inches in marble). Black Lake. Town of Hammond.
GPS: (44°24'38"N, 75°39'11"W)
Reference: Alverson

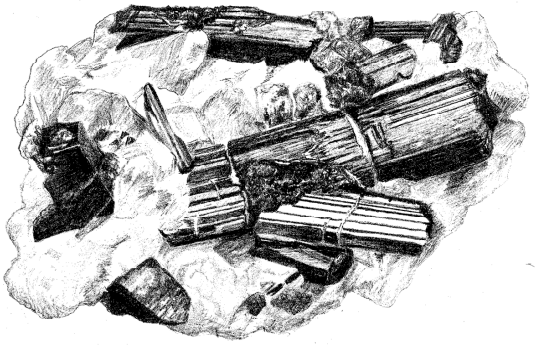
Localities without GPS coordinates (not shown on map)

DeLong's Mills (Nelson's Corners) (C). *Minerals:* Apatite, Barite, Fluorite, Orthoclase, Pargasite, Phlogopite, Pyrite, Pyroxene, Scapolite, Titanite, Tremolite, Zircon. Near DeLong's Mills. Town of Hammond.
Reference: Whitlock, 1903

Town of Hermon

St. Lawrence County

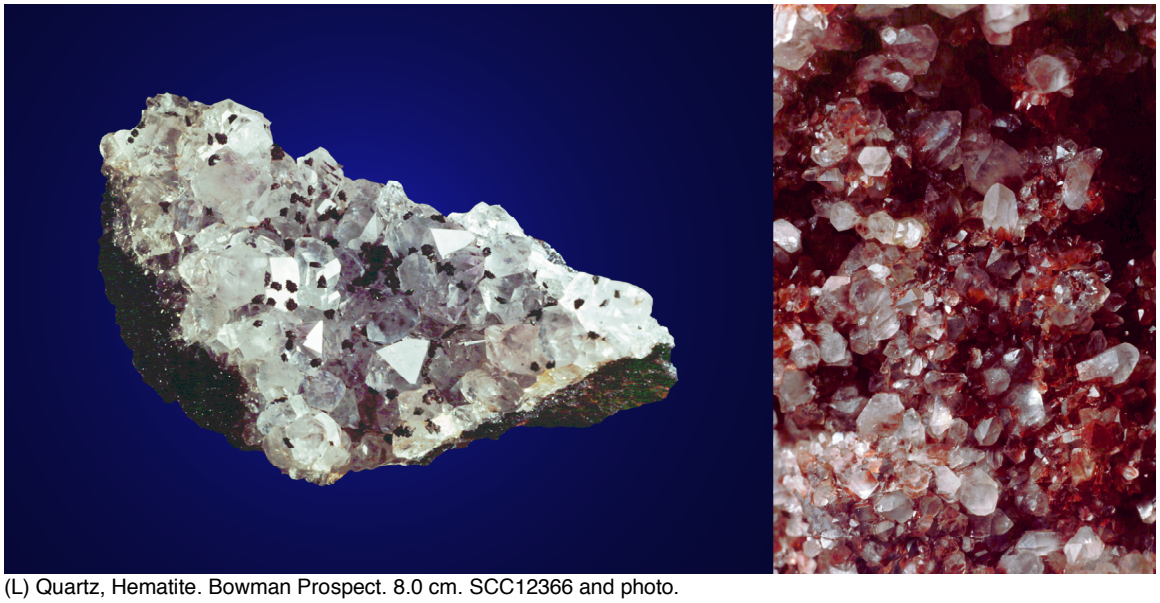




Schorl, Fire-Fall State Forest. SR

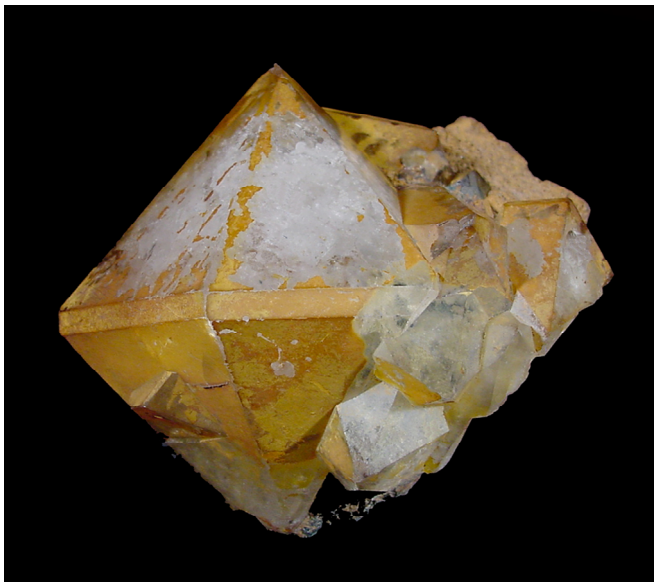
Localities with GPS coordinates (shown on map)

1) Bowman Prospect (C,F). *Minerals:* Calcite, Dolomite, Goethite, Hematite. Rock Hollow Road, West Hermon. Town of Hermon.
GPS: (44°25'12"N, 75°17'14"W)
References: Chamberlain et al., 2019; Walter, 2022



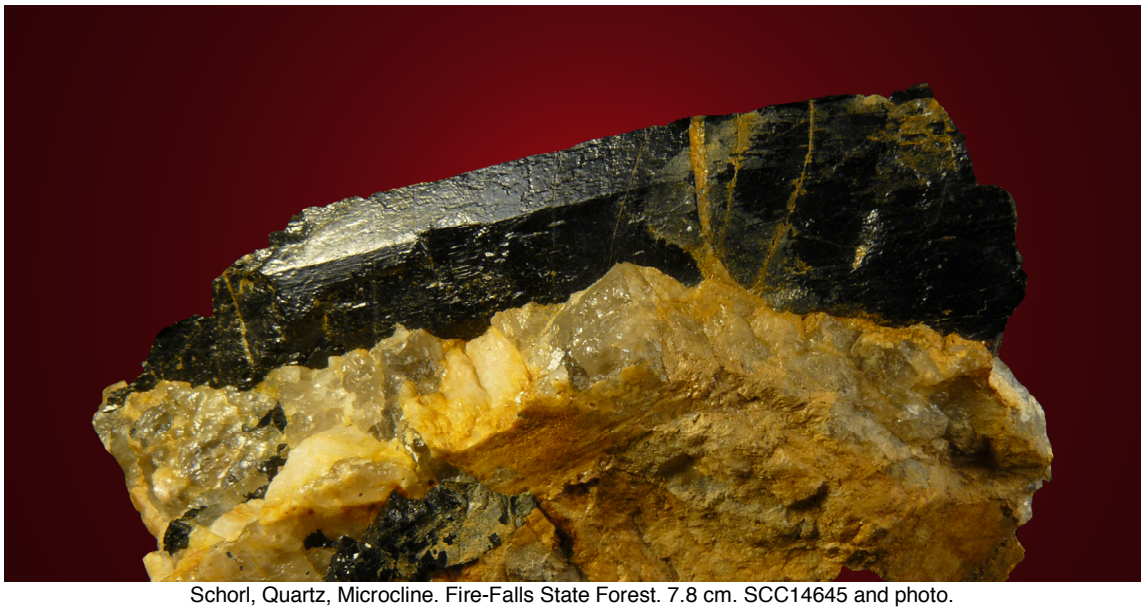
(L) Quartz, Hematite. Bowman Prospect. 8.0 cm. SCC12366 and photo.
(R) Quartz (Cherry Quartz), Hematite. Bowman Prospect. 7-cm fov. SCC11733 and photo.

2) Lowden Mine (F). *Minerals:* Hematite, Pargasite, Quartz, Tourmaline. Hermon. Town of Hermon.
GPS: (44˚27'12"N, 75˚16'24"W)
References: Smock, 1889; Whitlock, 1903



Quartz, Goethite. Lowden Mine. 6-cm xl. NYSM210.132. MVL photo.

3) Tourmaline Pegmatite (C). *Minerals:* Garnet, Microcline, Quartz, Schorl. Fire-Fall State Forest, west of Cedar Lake, Edwards. Town of Hermon.
GPS: (44°20'49"N, 75°17'10"W)
Reference: Unpublished



Schorl, Quartz, Microcline. Fire-Falls State Forest. 7.8 cm. SCC14645 and photo.

Schorl, Microcline, Quartz. Fire-Falls State Forest. 7.0 cm. SCC12539 and photo.

Localities without GPS (not shown on map)

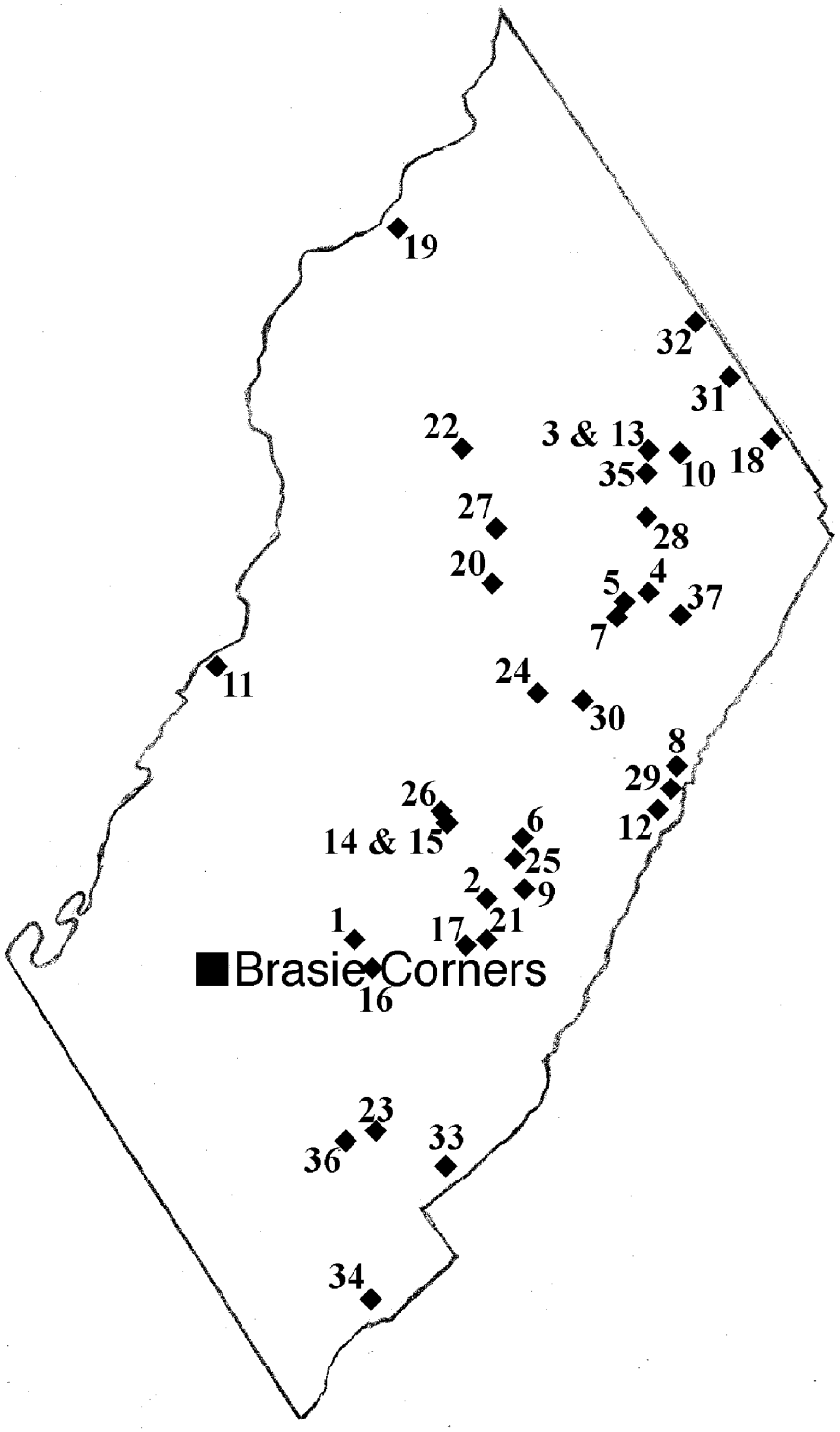
Almandine Occurrence (C). *Minerals:* Almandine, Quartz. Sidletsky Farm. Town of Hermon.
Reference: (Unpublished)

Almandine, Quartz. Sidletsky Farm. 12.9 cm. SCC9199 and photo.

Dodge Ore Bed (F,A) *Minerals:* Goethite (Bog Iron), Serpentine, Siderite. Town of Hermon.
Reference: Whitlock, 1903

Town of Macomb

St. Lawrence County



Localities with GPS coordinates (shown on map)

1) Brasie Corners Quartz Locality (F). *Minerals:* Albite, Calcite, Microcline, Pyrite, Quartz, Quartz ps. Calcite.
Jerry Lancto Property. Town of Macomb.
GPS: (44°23'41"N, 75°34'26"W)
References: Robinson & Alverson, 1971; Robinson & Chamberlain, 2007b; Chamberlain & Carlin, 2020; Walter, 2022

(L) Quartz. Brasie Corners Quartz Locality. 3 cm. SCC41570 and photo.
(C) Quartz. Brasie Corners Quartz Locality. 3.4 cm. SCC41700 and photo.
(R) Quartz. Brasie Corners Quartz Locality. 9.1 cm. SCC41496 and photo.

(L) Quartz. Brasie Corners Quartz Locality. 30 cm. SUNY Potsdam specimen. SR photo.
(R) Quartz. Brasie Corners Quartz Locality. 20 cm. SCC16789 and photo.

2) Schorl Locality (C). *Minerals:* Schorl. Rastley Road, Pierces Corners. Town of Macomb.
GPS: (44°23'50"N, 75°32'28"W)
Reference: Robinson & Chamberlain, 2007b

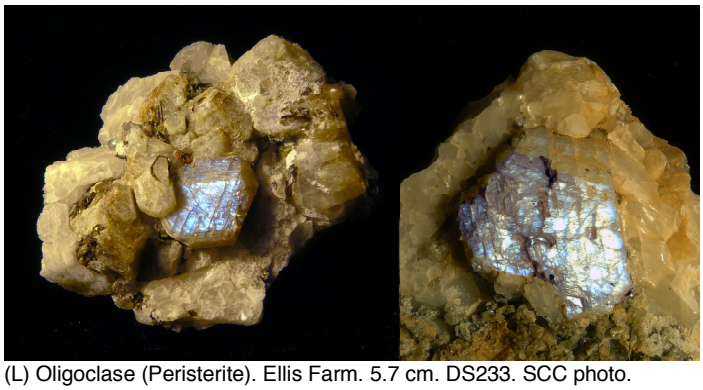
3) Danburite Locality (C). *Minerals:* Albite, Calcite, Diopside, Dravite, Fluorapatite, Goethite, Graphite, Marialite, Phlogopite, Pyrite, Quartz, Titanite, Tremolite, Uvite, Zircon. Downing (Craven) Farm, Pierces Corners.
Town of Macomb.
GPS: (44°27'53"N, 75°29'38"W)
References: Sutherland et al., 2017; Walter, 2022)

(L) Danburite. Downing (Craven) Farm. 3.1 cm. SCC33461 and photo.
(C) Danburite. Downing (Craven) Farm. 6.0 cm. Sutherland specimen. GWR photo.
(R) Dravite, Albite, Danburite. 7.2 cm. SCC33481 and photo.

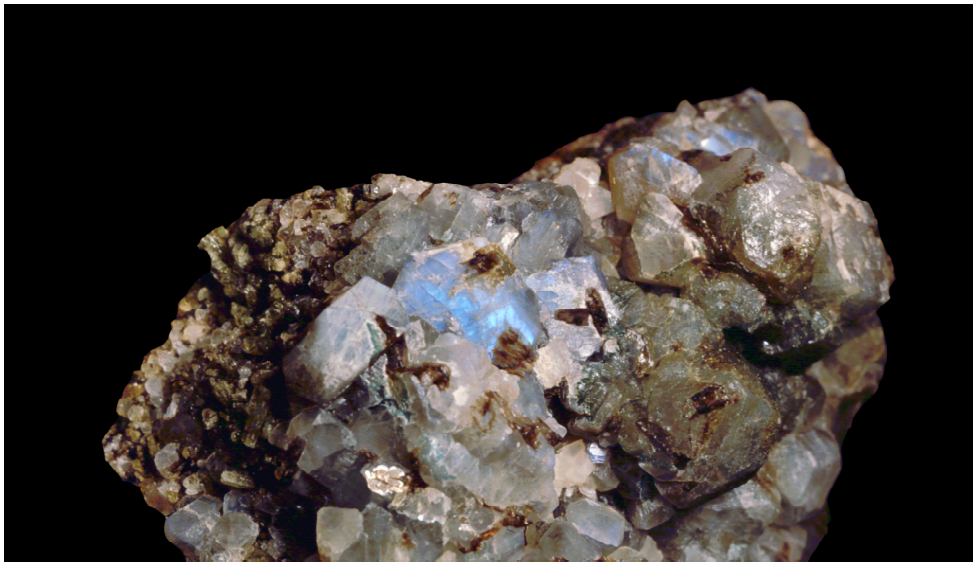
4) Tremolite Pit (C). *Minerals:* Calcite, Tremolite. Ellis farm, Pierces Corners. Town of Macomb.
GPS: (44°26'32"N, 75°30'16"W)
Reference: Brown, 1983 – near loc. #20

Tremolite, Calcite. Tremolite Pit, Ellis Farm. 10.3 cm. SCC40890 and photo.

5) Peristerite Occurrence. *Minerals:* Albite (Oligoclase, Peristerite), Diopside, Dravite, Fluorapatite, Goethite, Graphite, Quartz ps. Diopside, Titanite, Tremolite, Zircon. Ellis farm, Pierces Corners. Town of Macomb.
GPS: (44°26'45"N, 75°30'36"W)
References: Brown, 1983 – loc. #20); Robinson & Chamberlain, 2007a,b; Jaszczak et al., 2009; Walter, 2022



(L) Oligoclase (Peristerite). Ellis Farm. 5.7 cm. DS233. SCC photo.
(R) Oligoclase (Peristerite), Calcite. Ellis Farm. 3.5-cm fov. SCC43093 and photo.



Oligoclase (Peristerite). Ellis Farm. 4 cm. SCC43093 and photo.

6) Alvin Washburn Farm Copper Mine (F). *Minerals:* Calcite, Chalcopyrite. Pierces Corners. Town of Macomb.
GPS: (44°24'41"N, 75°31'54"W)
References: Brown, 1983 – loc. #2; Robinson & Chamberlain, 2007b

7) Fluorapatite Locality (C). *Minerals:* Calcite, Fluorapatite. Ellis farm, Pierces Corners. Town of Macomb.
GPS: (44°26'39"N, 75°30'40"W)
Reference: Brown, 1983 – near loc. #20

Fluorapatite, Calcite. Ellis Farm. 7.8 cm. SCC12114 and photo.

8) Salamander Cave Gash Vein (F). *Minerals:* Calcite, Dolomite, Graphite, Quartz. Town of Macomb.
GPS: (44˚25'13"N, 75˚29'32"W)
References: Walter & LaLonde, 2020; Walter, 2022

Calcite. Salamander Cave Gash Vein. 13.3 cm. SCC40371 and photo.

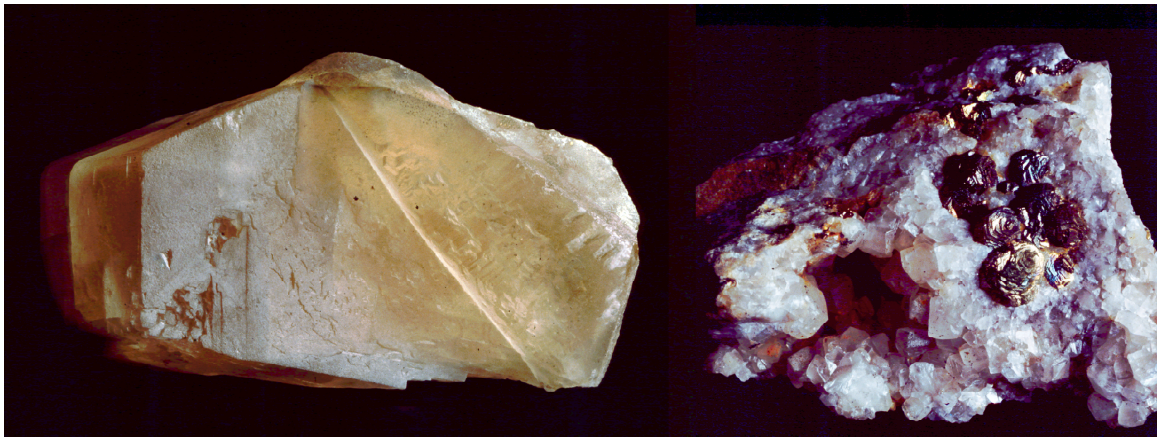
9) Lead Mine Road Gash Vein (F). *Minerals:* Calcite, Chalcopyrite, Dolomite, Graphite, Malachite, Marcasite, Pyrophyllite, Quartz, Tourmaline. Pierces Corners. Town of Macomb.
GPS: (44°24'02"N, 75°31'50"W)
*References:*Walter & Chamberlain, 2017; Walter, 2022

(L) Calcite (twin). Lead Mine Road Gash Vein. 10 cm. SCC32634 and photo.
(R) Chalcopyrite, Calcite. Lead Mine Road Gash Vein. 9-mm xl. SCC33200 and photo.

(L) Dolomite. Lead Mine Road Gash Vein. 9 cm. SC33074 and photo.
(R) Dolomite ps. Calcite. Lead Mine Road Gash Vein, 3.4 cm. MW01158 and photo.

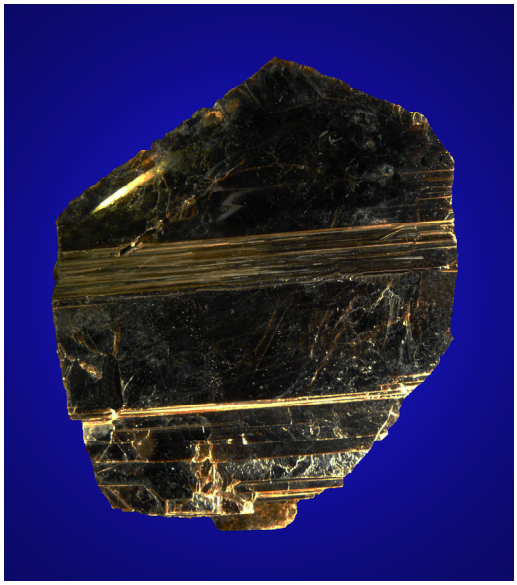
10)Tourmaline Pit (C). *Minerals:* Calcite, Diopside, Fluor-uvite, Goethite, Hematite, Microcline, Pyrite, Quartz. Downing (Craven) Farm, Pierces Corners. Town of Macomb.
GPS: (44°27'51"N, 75°29'30"W)
References: Brown, 1983 – loc. #29; Robinson & Chamberlain, 2007b

11) Rte. 58 Road Cut (F). *Minerals:* Calcite, Pyrite. 3.2 km north of Brasie Corners. Town of Macomb.
GPS: (44°25'56"N, 75°36'30"W)
Reference: Chamberlain & Walter, 2017



(L) Calcite (twin). Rte. 58 Road Cut. 6.4 cm. SCC30890 and photo.
(R) Pyrite, Calcite. Rte. 58 Road Cut. 6.6 cm. SCC33361 and photo.

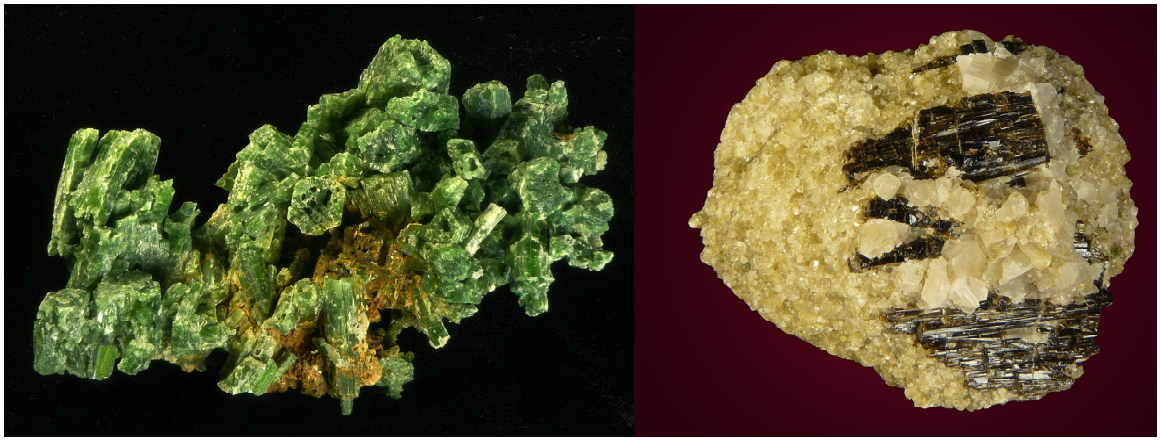
12) Lavack Mica Mine (C). *Minerals:* Allanite-(Ce), Calcite, Diopside, Fluorapatite, Goethite, Meionite, Microcline, Phlogopite, Pyrite, Titanite. Pierces Corners. Town of Macomb.
GPS: (44°24'35"N, 75°29'49"W)
References: Brown, 1983 – loc. #85; Robinson & Chamberlain, 2007b



Phlogopite. Lavack Mica Mine. 6.7 cm. SCC40758 and photo.

13)Apatite Occurrence (C). *Minerals:* Albite, Calcite, Dravite, Fluorapatite, Graphite, Marialite, Microcline, Phlogopite, Quartz, Titanite, Zircon. Downing (Craven) Farm, Pierces Corners. Town of Macomb.
GPS: (44°27'54"N, 75°29'36"W)
Reference: Brown, 1983 – loc. #28

14)Chrome Tremolite Locality (C). *Minerals:* Albite, Chromium-rich Fluoro-tremolite, Diopside, Fluorapatite, Fluor-uvite, Graphite, Microcline, Phlogopite, Pyrite, Quartz, Titanite, Tremolite. Alvin Washburn Farm, Pierces Corners. Town of Macomb.
GPS: (near 44°24'45"N, 75°32'30"W)
References: Robinson & Alverson, 1971; Brown, 1983 – loc. #1; Robinson & Chamberlain, 2007b; Walter, 2022



(L) Chromium-rich Fluoro-tremolite. Alvin Washburn Farm. 13.5 cm. SCC34459 and photo.
(R) Fluor-uvite, Calcite. Alvin Washburn Farm. 4.5 cm. SCC33479 and photo.

15)Dravite Locality (C). *Minerals:* Calcite, Dravite, Goethite, Graphite, Microcline, Quartz. North end of Alvin Washburn Farm, Pierces Corners. Town of Macomb.
GPS: (near 44°24'45"N, 75°32'30"W)
Reference: Unpublished

Dravite, Quartz. Alvin Washburn Farm. 9 cm. SCC40469 and photo.

16)Calcite Road Cut (F). *Minerals:* Calcite, Goethite ps. Pyrite, Pyrite. Rte. 113 just south of Rte. 58. Town of Macomb.
GPS: (44°23'32"N, 75°34'27"W)
Reference: Chamberlain & Walter, 2017

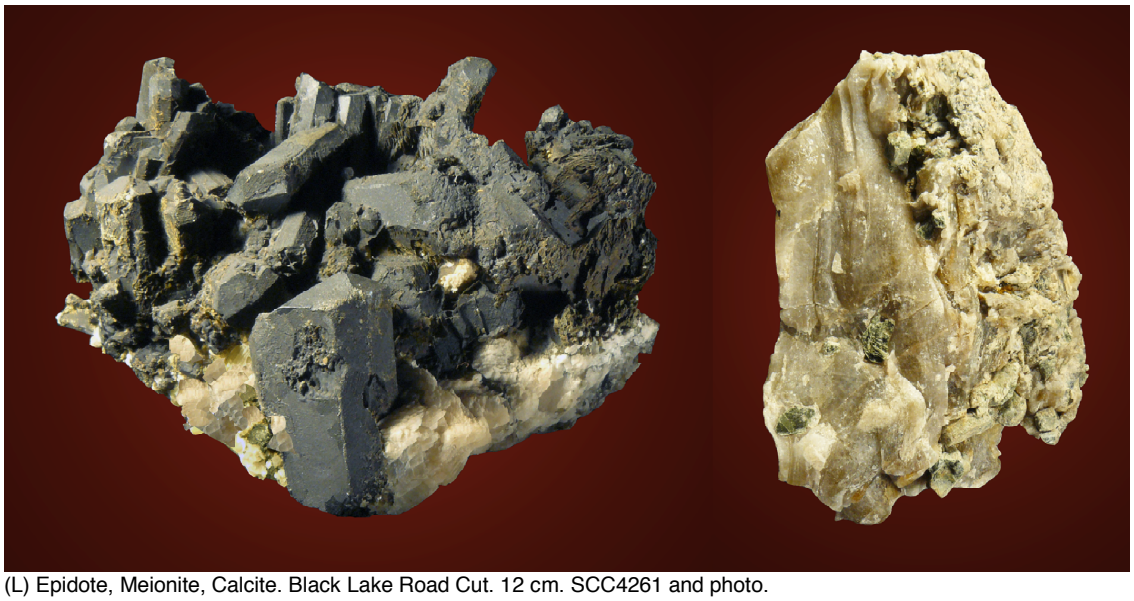
Calcite. Calcite Road Cut. 6.8 cm. SCC37571 and photo.

17)Rastley Road Fluorite (Macomb Fluorite) Mine (F). *Minerals:* Calcite, Fluorite, Goethite ps. Pyrite. Pierces Corners. Town of Macomb.
GPS: (44°23'26"N, 75°32'45"W)
References: Kunz, 1889; Robinson & Alverson, 1971; Robinson & Chamberlain, 2007a,b; Chamberlain & Robinson, 2013; Walter, 2022

Fluorite. Rastley Road Fluorite (Macomb Fluorite) Mine. 8.2 cm. SCC6342 and photo.

18)Hedgehog Hill Iron Mine (F). *Minerals:* Hematite, Magnetite ps. Hematite, Quartz (jasper). Midway between Hickory Lake and Mud Lake. Town of Macomb.
GPS: (44°28'30"N, 75°27'40"W)
Reference: Brown, 1983 – loc. #36

19)Black Lake Road Cut (C). *Minerals:* Diopside, Epidote, Meionite, Pyrite. Quartz (xls & flow), Titanite. Black Lake Road Cut in Rte. 58 at Bishop Road (obliterated by straightening of Rte. 58). Town of Macomb.
GPS: (44°30'22"N, 75°35'11"W)
Reference: Chamberlain & Walter, 2017



(L) Epidote, Meionite, Calcite. Black Lake Road Cut. 12 cm. SCC4261 and photo.
(R) Quartz (flow). Black Lake Road Cut. 9.6 cm. SCC4066 and photo.

20)Cranston Farm (C). *Minerals:* Albite (Peristerite), Diopside, Dravite, Fluorapatite, Goethite, Graphite, Phlogopite, Quartz. Pierces Corners. Town of Macomb.
GPS: (44°27'24"N, 75°20'50"W)
Reference: Brown, 1983 – loc. #25

Fluorapatite. Cranston Farm. 10.3 cm. SCC40473 and photo.

21)Birch Creek Calcite Gash Vein (F). *Minerals:* Calcite, Dolomite, Goethite ps. Pyrite, Graphite, Pyrite, Quartz, Tremolite. East of Birch Creek, south of Lead Mine Road, Pierces Corners. Town of Macomb.
GPS: (44°23'49"N, 75°32'09"W)
Reference: Unpublished

Calcite. Birch Creek Calcite Gash Vein. 8.5 cm. SCC34553 and photo.

22)Pope Mills Graphite Mine (C). *Minerals:* Graphite (radioactive). Rte. 7, Pope Mills. Town of Macomb.
GPS: (44°28'13"N, 75°33'22"W)
References: Robinson & Alverson, 1971; Brown, 1983 – loc. #17

Graphite (radioactive). Pope Mills Graphite Mine. 11.8 cm. SCC22235 and photo.

23)Paul Rice Property (C). *Minerals:* Dravite, Microcline, Phlogopite, Quartz. Paul Rice Property, corner of Pine Hill Road and Robinson Road. Town of Macomb.
GPS: (44°22'01"N, 75°34'26"W)
Reference: Walter, 2022

Dravite, Quartz. Paul Rice Property. 14.0 cm. SCC22730 and photo.

24)Pierces Corners Calcite Road Cut (F). *Minerals:* Calcite. Hyde Road, Pierces Corners. Town of Macomb.
GPS: (44°25'50"N, 75°32'21"W)
Reference: Chamberlain & Walter, 2017

Calcite. Pierces Corners Calcite Road Cut. 5.0 cm. SCC1327 and photo.

25)Macomb Copper Mine (F). *Minerals:* Calcite, Chalcopyrite, Malachite. Lead Mine Road, Pierces Corners. Town of Macomb.
GPS: (44°24'41"N, 75°31'53"W)
Reference: Brown, 1983, loc. #2

26)Hurst Road Quartz Locality (F). *Minerals:* Calcite, Goethite ps. Pyrite, Quartz. Near intersection of Hurst Road with County Rte. 10. Town of Macomb.
GPS: (44°24'51"N, 75°32'59"W)
Reference: Walter, 2022

27)Cranston Farm Gash Vein (F). *Minerals:* Calcite. Pierces Corners. Town of Macomb.
GPS: (44°27'04"N, 75°30'12"W)
Reference: Brown, 1983 – loc. #24

28)Hickory Lake Tourmaline Occurrence (C). *Minerals:* Calcite, Dravite, Microcline, Quartz, Titanite. 0.6 miles southeast of Hickory Lake. Town of Macomb.
GPS: (44°27'30"N, 75°30'05"W)
Reference: Brown, 1983 – loc. #26

29)Macomb Lead Mines (F). *Minerals:* Calcite, Fluorite, Galena, Sphalerite. Near Pierces Corners. Town of Macomb.
GPS: (44°25'03"N, 75°32'11"W)
References: Everts & Holcomb, 1878; Robinson & Alverson, 1971; Brown, 1983 – loc. #5

30)Jones Farm Deposit (F). *Minerals:* Calcite, Fluorite, Galena, Sphalerite. Near Pierces Corners. Town of Macomb.
GPS: (44°25'46"N, 75°31'38"N)
Reference: Newland, 1919; Brown, 1983 – loc. #15

31)Prospect Pit (C). *Minerals:* Quartz, Tourmaline. Small Prospect Pit east of County Road 10, south of Mud Lake. Town of Macomb.
GPS: (44°28'43"N, 75°28'45"W)
Reference: Brown, 1983 – loc. #34

32)Small Pegmatite (C). *Minerals:* Dravite-uvite, Quartz. Small Pegmatite on west side of Maple Ridge Road. Town of Macomb.
GPS: (44°29'20"N, 75°25'02"W)
Reference: Brown, 1983 – loc. #62

33)Road Cut on Hall-Yellow Lake Road (F). *Minerals:* Calcite (fluorescent color zoning). About 0.6 miles from its intersection with Robinson Road. Town of Macomb.
GPS: (44°21'44"N, 75°33'27"W)
Reference: Unpublished

34)Barite Gash Vein (F). *Minerals:* Barite, Calcite. South side of Campbell Road. Town of Macomb.
GPS: (44°20'31"N, 75°34'24"W)
Reference: Walter, 2022

35)Scapolite Occurrence (C). *Minerals:* Calcite, Scapolite. Near Beaver Creek. Town of Macomb.
GPS: (44°26'39"N, 75°30'11"W)
Reference: Brown, 1983 – loc. #21

36)Robinson Road Gash Vein (F). *Minerals:* Calcite, Dolomite, Goethite ps. Pyrite. Gash Vein north of Robinson Road, east of Rte. 58. Town of Macomb.
GPS: (44°21'59"N, 75°34'46"W)
Reference: Unpublished

37)Tourmaline Occurrence (C). *Minerals:* Goethite, Tourmaline, Tremolite. Southwest of Huckleberry Mountain. Town of Macomb.
GPS: (44°26'18"N, 75°29'36"W)
Reference: Brown, 1983 – loc. 69

Localities without GPS coordinates (not shown on map)

Barite Occurrence (C,F). *Minerals:* Barite, Phlogopite. Pope Mills. Town of Macomb
Reference: Whitlock, 1903

Calcite Occurrence (F). *Minerals:* Calcite, Fluorite, Pyrite. 1.5 miles north of Elmdale. Town of Macomb.
Reference: Whitlock, 1903

Downing Farm (F). *Minerals:* Galena. 1 mile south of Pierces Corners, Old Downing Farm. Town of Macomb.
Reference: Newland, 1919

Ingram Farm (C). *Minerals:* Graphite, Tourmaline (dark brown and black), in gneiss-limestone contact. Town of Macomb.
Reference: Whitlock, 1903

Jones Farm (C). *Minerals:* Quartz, Tourmaline (black). 0.5 miles northeast of Pierces Corners on County Rte. 10 to De Peyster. Outcrop about 0.5 miles on southwest side of road. Town of Macomb.
Reference: Alverson

Mineral Point (F). *Minerals:* Calcite, Fluorite, Galena, Sphalerite. Vein in gneiss. Black Lake. Town of Macomb.
Reference: Newland, 1919; Whitlock, 1903)

Pennock Farm (F). *Minerals:* Galena. 1 mile south of Pierces Corners, Old Pennock Farm. Town of Macomb.
Reference: Newland, 1919

Phlogopite Occurrence (C). *Minerals:* Phlogopite (large xls), Pyroxene. Near Bridge in Pope Mills. Town of Macomb.
References: Nims, 1886; Pennypacker, 1896

Rastley Road Quartz Occurrence (F). *Minerals:* Quartz. Rastley Road, Pierce's Corners. Town of Macomb.
Reference: Unpublished

Quartz. Rastley Road. 6.4 cm. SCC14862 and photo.

St. Lawrence Mining Co. Mines (F). *Minerals:* Galena, Sphalerite (massive veins in limestone). 1 mile east of Pierces Corners. Town of Macomb.
Reference: Whitlock, 1903

Tourmaline Occurrence (C). *Minerals*: Albite, Amphibole, Apatite, Graphite, Phlogopite, Pyroxene, Scapolite, Tourmaline. 1 mile northeast of Pierces Corners. Town of Macomb.
Reference: Whitlock, 1903

Tourmaline Occurrence #2 (C). *Minerals:* Tourmaline (yellow-brown, gemmy). Near Pine Hill Road.
Town of Macomb.
Reference: Alverson

Turner Farm (F). *Minerals:* Calcite, Galena, Sphalerite. 3 miles north of Brasie Corners on Old F.E. Turner Farm. Town of Macomb.
Reference: Newland, 1919