

Here is a text file containing the list of all species found at Franklin-Sterling Hill, the identification of the fluorescent species, a bibliography, and hotels in the area. This is a LONG text file!

Best regards,
Jeff W and Don H

The species list

More than 340 minerals, some 80 of them fluorescent under ultraviolet light, are known from the Franklin-Sterling district -- a world's record.

The current list of verified mineral species for the Franklin Sterling area is shown below. This list is updated annually and published in the bulletin for the Franklin Mineral Show, held each autumn in Franklin New Jersey.

A

Acanthite Actinolite Adamite Adelite Aegirine
Akrochordite Albite Allactite Allanite-(Ce)
Alleganyite Almandine Analcime Anandite
Anatase Andradite Anglesite Anhydrite
Annabergite Anorthite Anorthoclase Antlerite
Aragonite Arsenic Arseniosiderite
Arsenopyrite Atacamite Augite Aurichalcite
Aurorite Austinite Azurite

B

Bakerite Bannisterite Barite
Barium-pharmacosiderite Barylite Barysilite
Bassanite Baumhauerite Bementite Berthierite
Bianchite Biotite Birnessite Bornite
Bostwickite Brandtite Breithauptite
Brochantite Brookite Brucite Bultfonteinite
Bustamite

C

Cahnite Calcite Canavesite Carrollite
Caryopilite Celestine Celsian Cerussite
Chabazite Chalcocite Chalcophanite
Chalcopyrite Chamosite Charlesite Chloritoid
Chlorophoenicite Chondrodite Chrysocolla
Cianciulliite Clinocllore Clinochrysolite
Clinoclase Clinohedrite Clinohumite
Clinozoisite Clintonite Conichalcite
Connellite Copper Corundum Covellite
Cryptomelane Cumingtonite Cuprite
Cuprostibite Cuspidine

D

Datolite Descloizite Devilline Digenite
Diopside Djurleite Dolomite Domeykite Dravite
Duftite Dypingite

E

Edenite Epidote Epsomite Erythrite Esperite
Euchroite Eveite

F

Fayalite Feitknechtite Ferrimolybdite
Ferristilpnomelane Ferroactinolite

Ferroaxinite Ferrostilpnomelane Flinkite
Fluckite Fluoborite Fluorapatite
Fluorapophyllite Fluorite Forsterite
Fraipontite Franklinfurnaceite Franklinite
Franklinphilite Friedelite

G

Gageite-1Tc Gageite-2M Gahnite Galena
Ganomalite Ganophyllite Genthelvite
Gersdorffite Gerstmannite Glaucochroite
Goethite Gold Goldmanite Graphite Greenockite
Grossular Groutite Guerinite Gypsum

H

Haidingerite Halotrichite Hancockite
Hardystonite Hastingsite Hauckite Hausmannite
Hawleyite Hedenbergite Hedyphane Hematite
Hemimorphite Hendricksite-1M Hercynite
Hetaerolite Heulandite Hexahydrite
Hodgkinsonite Holdenite Hornblende Huebnerite
Humite Hyalophane Hydrohetaerolite
Hydrotalcite Hydroxyapophyllite Hydrozincite

I

Illite Ilmenite

J

Jacobsite Jarosewichite Jerrygibbsite
Johannsenite Johnbaumite Junitoite

K

Kaolinite Kentrolite Kittatinnyite Koettigite
Kolicite Kraisslite Kutnahorite

L

Larsenite Laumontite Lawsonbauerite Lead
Legrandite Lennilenapeite Leucophoenicite
Linarite Liroconite Lizardite Loellingite
Loseyite

M

Magnesiohornblende Magnesioriebeckite
Magnesium-chlorophoenicite Magnetite
Magnussonite Malachite Manganaxinite
Manganberzeliite Manganese-hoernesite
Manganhumite Manganite Manganosite
Manganpyrosmalite Marcasite Margarite
Margarosanite Marialite Marsturite
Mcallisterite Mcgovernite Meionite
Meta-ankoleite Metalodevite Metazeunerite
Microcline Mimetite Minehillite
Molybdenite-2H Monazite-(Ce) Monohydrocalcite
Mooreite Muscovite-1M

N

Nasonite Natrolite Nelenite Neotocite
Newberyite Niahite Nickeline Nontronite
Norbergite

O

Ogdensburgite Ojuelaite Oligoclase
Orthochrysotile Orthoclase Orthoserpierite
Otavite

P

Parabrandtite Pararammelsbergite
Parasymplesite Pargasite Pectolite

Pennantite-la Petedunnite Pharmacolite
Pharmacosiderite Phlogopite-1M
Picroparrnacolite Piemontite Pimelite
Powellite Prehnite Pumpellyite-(Mg) Pyrite
Pyroaurite Pyrobelonite Pyrochroite
Pyrophanite Pyroxmangite Pyrrhotite

Q
Quartz

R
Rammelsbergite Realgar Retzian-(La)
Retzian-(Nd) Rhodochrosite Rhodonite
Richterite Roebbingite Romeite Rosasite
Roweite Rutile

S
Safflorite Samfowlerite Sarkinite Sauconite
Schallerite Scheelite Schorl Sclarite
Scorodite Seligmannite Sepiolite Serpierite
Siderite Sillimanite Silver Sjogrenite
Skutterudite Smithsonite Sonolite Spangolite
Spessartine Sphalerite Spinel Starkeyite
Sterlinghillite Stibnite Stilbite
Strontianite Sulfur Sussexite Synadelphite

T
Talc Tennantite Tephroite Tetrahedrite
Thomsonite Thorite Thortveitite Tilasite
Tirodite Titanite Todorokite Torreyite
Tremolite Turneaureite

U
Uraninite Uranophane Uranospinite Uvite

V
Vesuvianite Villyaellenite

W
Wallkilldellite Wawayandaite Wendwilsonite
Willemite Wollastonite Woodruffite Wulfenite
Wurtzite

X
Xonotlite

Y
Yeatmanite Yukonite

Z
Zinnsite Zincite Zinkenite Zircon Znucalite

Fluorescent mineral list

Over 80 different mineral species from the Franklin-Sterling Hill area have been reported to fluoresce under ultraviolet light -- a world's record. In 1968 the New Jersey State legislature proclaimed Franklin "The Fluorescent Mineral Capital of the World" -- a well-deserved title.

The following list of Franklin-Sterling Hill fluorescent minerals is kindly provided by a local expert on the area's fluorescent minerals, Richard C. Bostwick.

Though a number of the minerals listed below are relatively invariant in their fluorescent response, it is important to note that many are not -- only some samples may respond as noted. In general, the most brilliant fluorescent minerals from the area respond brightest under short-wave ultraviolet.

List of Fluorescent Minerals from Franklin and Sterling Hill, N.J.

A 1998 Check-list based on observations by Richard C. Bostwick

These descriptions are necessarily brief and hence simplistic. The ultraviolet wavelength (SW or LW) listed with a fluorescent response is the wavelength for which the response is stronger; many listed minerals fluoresce under both LW and SW. Unusual fluorescent responses are listed in parentheses. Fluorescent intensity and subtle differences in hue are not mentioned. While mineral fluorescence is a powerful tool for rapid mineral identification, it should be used in conjunction with other identification techniques.

Key: FL = fluoresces; PH = phosphoresces; SW = short-wave ultraviolet radiation; LW = long-wave ultraviolet radiation

Albite: FL red SW

Aragonite: FL/PH cream LW (FL green SW)

Barite: FL cream SW (FL/PH yellow SW/LW, FL white SW and pale green LW)

Barylite: FL violet SW, conspicuous under iron arc

Bassanite: FL/PH violet SW

Bustamite: FL cherry red LW

Cahnite: FL/PH cream SW

Calcite: FL orange-red SW with brief red-orange PH (Also FL pink, orange, cream, white, green, blue, yellow, violet, etc.)

Canavesite: FL/PH violet LW

Celestine: FL/PH cream LW (FL violet SW)

Cerussite: FL yellow LW

Chabazite: FL green SW

Charlesite: FL pale blue SW, coated with cream-FL gypsum

Chondrodite: FL yellow, yellow-orange SW

Clinohedrite: FL/PH orange SW

Corundum: FL cherry-red LW

Cuspidine: FL orange-yellow SW with brief orange-red PH
Datolite: FL cream SW
Diopside: FL blue SW. cream LW
Dypingite: FL/PH blue SW/LW
Epsomite: FL cream LW
Esperite: FL lemon-yellow SW
Fluoborite: FL cream SW
Fluorapatite: FL orange or blue SW (FL "peach" SW)
Fluorapophyllite: FL/PH white SW
Fluorite: FL/PH blue-green SW/LW, FL violet-blue LW
(FL white LW)
Guerinite: FL/PH white SW
Gypsum: FL/PH cream, pale blue, pale violet SW
Hardystonite: FL violet to violet-blue SW/LW
Hedyphane: FL cream, orange SW
Hemimorphite: FL/PH white LW (FL green SW)
Hodgkinsonite: FL deep cherry red LW
Humite: rarely FL pale yellow SW
Hyalophane: FL red SW
Hydrotalcite: FL cream LW
Hydroxyapophyllite: FL/PH weak white SW
Hydrozincite: FL blue SW
Johnbaumite: FL orange SW
Junitoite: FL pale yellow LW
Magnesiohornblende: FL greenish-blue SW
Manganaxinite: FL red SW
Margarite: FL yellow SW/LW
Margarosanite: FL blue & red SW (FL orange LW)
Marialite: FL yellow SW and pink LW
Mcallisterite: FL cream SW
Meionite: FL pinkish-red SW (Also FL pink, orange,
yellow, cream LW/SW)
Meta-ankoleite: FL green SW
Metalodevite: FL green SW
Microcline: FL blue or red SW

Minehillite: FL violet SW
Monohydrocalcite: FL green SW + white PH
Nasonite: FL pale yellow SW
Newberyite: FL cream SW
Norbergite: FL yellow SW
Pargasite: FL greenish-blue SW
Pectolite: FL/PH orange SW
Pharmacolite: FL weak violet SW
Phlogopite-1M: FL yellow SW
Picropharmacolite: FL/PH white LW
Powellite: FL yellow SW
Prehnite: FL orangeish pink SW
Quartz: FL yellow or green SW
Roebingite: FL red SW with brief red-orange PH
Samfowlerite: FL weak red SW
Scheelite: FL yellow LW, blue SW
Smithsonite: FL/PH white SW
Sphalerite: FL, PH orange, yellow-orange,
orange-yellow, and blue LW
Spinel: FL cherry-red LW
Strontianite: FL violet SW/LW
Talc: FL cream SW
Thomsonite: FL cream SW
Tilasite: FL yellow SW
Titanite: FL yellow-orange SW
Tremolite: FL blue SW (yellow LW)
Turneaureite: Fl orange SW
Uranospinite: FL green SW
Uvite: FL yellow SW
Willemite: FL/PH green SW (FL, PH yellow,
greenish-yellow, orange, pale blue SW)
Wollastonite: FL/PH orange to yellow SW
Xonotlite: FL violet SW
Zincite: FL yellow LW/SW

Zircon: FL orange SW

Znucalite: FL green SW

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U. S. Geological Survey Bulletin 1952, Chapter D., D12-D14.

Jones, R. W. Jr. (1964)
Nature's hidden rainbows--the fluorescent minerals of Franklin, New
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Ultra-Violet Products Inc., San Gabriel, California. 120 p.

Metsger, R. W.; Tennant, C. B.; Rodda, J. L. (1958)
Geochemistry of the Sterling Hill zinc deposit, Sussex Country, New
Jersey.
Geological Society of America Bulletin, 69, pp. 775-788.

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The collector's book of fluorescent minerals
Van Nostrand Reinhold, New York. 289 p.

Robbins, Manuel (1994)
Fluorescence--gems and minerals under ultraviolet light
Geoscience Press Inc., Phoenix, Arizona. 374 p.

Warren, Thomas S.; Gleason, Sterling; Bostwick, Richard C.; Verbeek, Earl
R. (1995)
Ultraviolet Light and Fluorescent Minerals
Published by Thomas S. Warren. Copies may be ordered from the distributor;
Williams Minerals, R.R. 1, Box 77 Dutch Hollow Road, Rio, West Virginia,
26755.

Subject: hotels near Franklin (trip coordinator cannot vouch for quality of any
hotel or lodging!)

Date: Mon, 30 Nov 1998 18:33:51 -0500

Hotel Name,
Address,
City,
Phone,
Miles from Franklin
=====

Sullivans Gas Light Inn
Highway 23 Bldg 382
Franklin, NJ
(973) 827-8227
0.0

Four Seasons Motel & Cottages

59 State Rt 23
Franklin, NJ
(973) 827-7890
1.1

Rolling Hills Motel
127 State Rt 23
Sussex, NJ
(973) 875-1270
4.3

Sussex Motel
187 State Rt 23
Sussex, NJ
(973) 875-4191
4.6

Days Inn
15 Route 94
McAfee, NJ
(973) 827-4666
5.6

Seasons Resort At Great Gorge
Route 517 N
McAfee, NJ
(973) 827-6000
5.6

Applalachian Motel
367 State Hwy 94
Vernon, NJ
(973) 764-6070
5.7

Great Gorge Resort
Route 94
Vernon, NJ
(973) 827-4357
5.7

Great Gorge Village Hotel
Route 94 N
Vernon, NJ
(973) 827-2222
5.7

Spa Golf Club
Highway 94
Vernon, NJ
(973) 827-3710
5.7

Warwick Motel
Vernon, NJ
(973) 764-7127
5.7

Fountain Square Inn
82 Fountain Sq
Sussex, NJ
(973) 875-4198
6.7

Sussex Inn
State Highway 23

Sussex, NJ
(973) 875-3000
7.8

Forest Motel
104 US
Highway 206
Branchville, NJ
(973) 948-5456
8.6

Cobmin Ridge Motel
346 US
Highway 206
Branchville, NJ
(973) 948-3459
8.8

Howard Johnson
14 Green Pond Rd
Rockaway, NJ
(973) 625-1200
9.0

Lakeview Motel
148 State Route 181
Lake Hopatcong, NJ
(973) 663-3402
10.0

Apple Valley Inn
967 County Rd 517
Glenwood, NJ
(973) 764-3735
10.9

Village Inn At Newton
448 US
Highway 206 S
Newton, NJ
(973) 383-3922
11.1

Swartswood Plaza
1065 Highway 521
Newton, NJ
(973) 579-1694
11.4

Willow Brook Inn
Warwick Trnpk
Hewitt, NJ
(973) 853-7728
11.9

Glenwood House
49 Glenwood Rd
Pine Island, NY
(914) 258-5066
12.6

Arrowcrest Lodge
469 River Styx Rd
Hopatcong, NJ
(973) 398-2334
12.6

Backtrack Inn
92 Route 984
Unionville, NY
(914) 726-3956
12.8

Holiday Motel
708 US Highway 206
Andover, NJ
(973) 786-5260
13.0

High Point Country Inn
1328 State Rt 23
Sussex, NJ
(973) 702-1860
13.3

Lakeside Motel
27 Lakeside Blvd
Hopatcong, NJ
(973) 398-8317
14.3

Roserne Motor Lodge
1465 State Rt 23
Butler, NJ
(973) 838-3434
14.4

Howard Johnson
Ih 80 & Hibernia Rd
Rockaway, NJ
(973) 625-1200
15.0

Inn At 40 Oakland
40 Oakland Ave
Warwick, NY
(914) 987-8269
15.1

Rustic Ridge Apartments
289 Mount Hope Ave
Dover, NJ
(973) 328-0167
15.2

Sheraton
15 Howard Blvd
Mount Arlington, NJ
(973) 770-2000
15.2

Warwick Motel
1 Overlook Dr
Warwick, NY
(914) 986-4822
15.2

Butler Arms
68 Bartholdi Ave
Butler, NJ
(973) 492-0503
15.3

Butler Guest House
68 Bartholdi Ave
Butler, NJ
(973) 492-0503
15.3

Byram Motel
24 US Highway 206
Stanhope, NJ
(973) 347-1007
15.7

Sky Top Motel
456 US Highway 46
Dover, NJ
(973) 366-0700
16.0

Mountain Inn Of Rockaway
156 US Highway 46
Rockaway, NJ
(973) 627-8310
16.1

Wyndham Hotel
1000 International Dr
Budd Lake, NJ
(973) 448-1100
16.1

Days Inn
1691 US Highway 46
Ledgewood, NJ
(973) 347-5100
16.3

Whistling Swan Inn
110 Main St
Stanhope, NJ
(973) 347-6369
16.3

Kingtown Motel
1903 US Highway 46
Ledgewood, NJ
(973) 347-0155
16.4

Breezy Point Inn
Jersey Ave
Greenwood Lake, NY
(914) 477-8100
16.4

Greenwood
Country Motel
Route 17a
Greenwood Lake, NY
(914) 477-0700
16.4

New Continental Hotel
Jersey Ave
Greenwood Lake, NY
(914) 477-2456
16.4

Boundary Motel
408 US Highway 46
Mine Hill, NJ
(973) 584-4721
16.5

Roxbury Circle Motel
1140 US Highway 46
Ledgewood, NJ
(973) 584-8111
16.8

Murphy's Park Inn
83 Windermere Ave
Greenwood Lake, NY
(914) 477-8519
17.2

Shady Brook Motel
50 Route 6
Port Jervis, NY
(914) 856-8812
17.2

Regency House Hotel
140 State Rt 23
Pompton Plains, NJ
(973) 696-0900
17.6

Henry's Motel
102 US Highway 46
Budd Lake, NJ
(973) 347-5137
17.7

Budd Lake Motel
110 US Highway
46
Budd Lake, NJ
(973) 691-9616
17.8

Riverview Inn Inc
400 Shay Ln
Matamoras, PA
(717) 491-2173
17.8

Laurel Villa Country Inn
2nd & Ann St
Milford, PA
(717) 296-9940
17.8

Erie Hotel & Family Restaurant
9 Jersey Ave
Port Jervis, NY
(914) 858-4100
17.9

Inn At Panther Valley
State Highway 517
Allamuchy, NJ
(908) 852-6000
17.9

Best Western Inn
120 Route 6 And 209
Matamoras, PA
(717) 491-2400
17.9

Blue Spruce Motel
550 Route 6 And 209
Matamoras, PA
(717) 491-4969
17.9

White Deer Motel
3769 US Highway 46
Parsippany, NJ
(973) 334-3354
18.0

Tom Quick Inn
411 Broad St
Milford, PA
(717) 296-6514
18.1

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