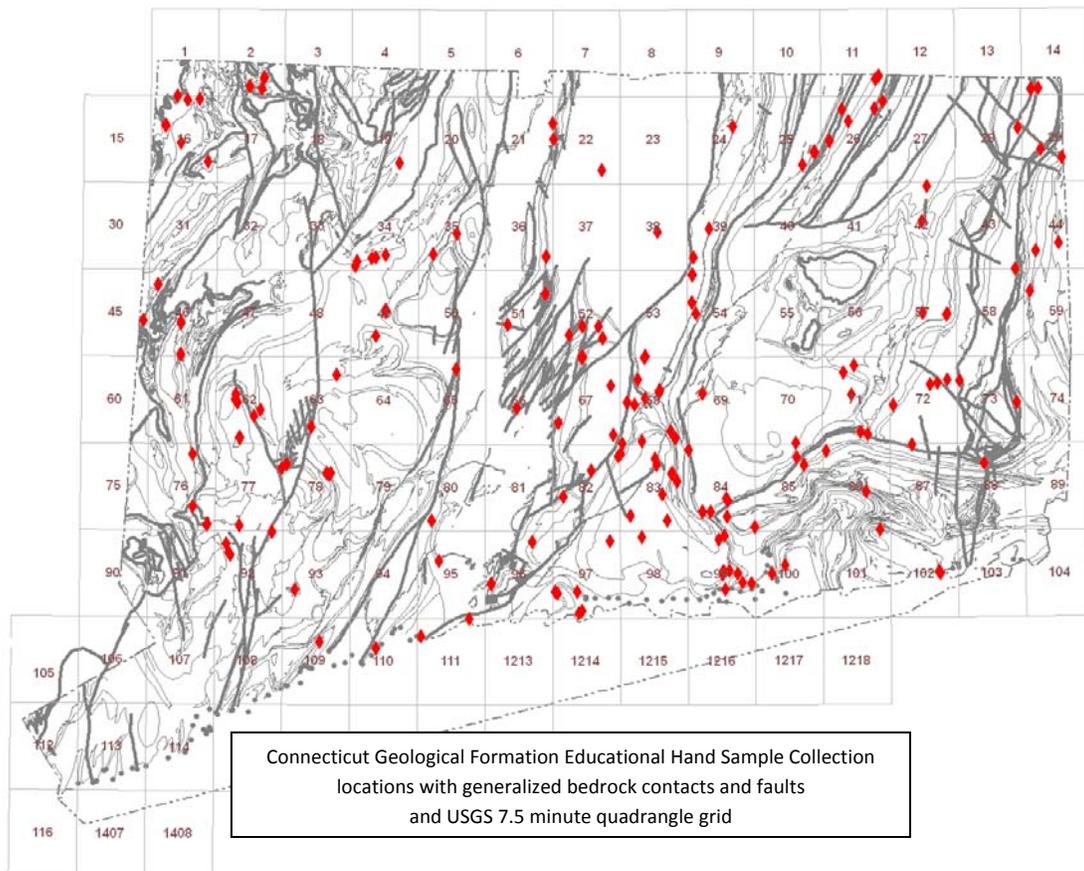




Inventory and Metadata Development of Connecticut Geological Formation Educational Hand Sample Collection



National Geological and Geophysical Data Preservation Program
Award #G09AP00091



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Abstract

The Connecticut Geological Survey maintains a collection of representative hand samples from geologic formations as mapped on the State Geological Map of Connecticut (Rodgers, 1985). This collection is named the *Connecticut Geological Formation Educational Hand Sample Collection* and includes approximately 315 samples. These samples are of particular value to educators who describe the geology of the state, and field researchers as orientation to the geology of an individual region of interest. The collection provides a wonderful overview of the State's geology when paired with the Rodgers map. Each of these hand samples has supporting information describing the rock sample and a map location.

An inventory of the Connecticut Geological Formation Educational Hand Sample Collection, was conducted. Information regarding missing samples or information gaps was reviewed to ensure the integrity of the collection. Sample locations and associated information was compiled into an excel spreadsheet data file and an ArcGIS shapefile was created. The collection was documented, with site-specific metadata records populated for each sample in the collection. The metadata file was formatted to ensure consistency with the NGGDPP CSV template. The collection metadata was then uploaded to the National Map Catalog.

Goals

- 1) Inventory the CT Geological Formation Educational Hand Sample Collection and enter the collection into the National Catalog.
- 2) Develop metadata to describe the collection and deliver the metadata to the National Catalog in XML format following the XML template provided by the NGGDPP.

Accomplishments

Collection Inventory

A comprehensive inventory of the Geological Formation Educational Hand Sample Collection and verification of the integrity of the collection was completed. Sample information cards were used to verify ID numbers and descriptions of the physical samples for archival purposes. Validated information from the sample cards and maps were entered into an ArcGIS shapefile in order to populate the inventory with associated descriptive attributes. GIS queries were used to verify geologic formation attributes and identify formations without representative samples.

This rock collection was begun prior to publication of the *Bedrock Geological Map of Connecticut* compiled by John Rodgers (1985), and has continued with the goal of obtaining a representative hand sample of each of the 143 different rock units (formations) used on the map. To that end, the collection continues to be enhanced with additional specimens each year. Currently, 315 samples from 74 different formations comprise the collection. The collection is located in the State Geological and Natural History Survey library at the Department of Environmental Protection 79 Elm Street, Hartford, CT. The library is open by appointment during Connecticut Geological Survey office hours, 8:30am-4:00pm EST, Monday-Friday.

The Hand Sample Inventory is presented as [Appendix 1](#). This table will be published as part of the description of the Geological Formation Hand Sample Collection within the CT Geological Survey content area of the DEP web site. The published information will include a geologic map showing sample collection sites ([report title page](#)). The table lists the samples by geological formation and includes a geographic location (latitude/longitude) for each sample. Data for most samples also includes the name of the collector and the date collected. Some records

include a general description of that sample and/or remarks about the specific field location from which the sample was collected. Sample numbers include a quadrangle number and a sequence number designating the order in which the sample was collected within the quadrangle. The storage location of each sample is listed as part of the record.

Metadata & The National Catalog

Additional NGGDPP metadata attributes were added to the attribute table associated with the CT Educational Hand Samples shapefile as required. The NGGDPP metadata fields were extracted from the attribute table and converted to a CSV format file in compliance with NGGDPP standards (<http://datapreservation.usgs.gov>). The individual element, sample level metadata was then delivered to the National Catalog and is included as [Appendix 2](#).

A description of the Educational Hand Sample Collection and associated information is pending publication to the Connecticut Geological Survey area of the Department of Environmental Protection website <http://www.ct.gov/dep/geology>. The Connecticut Geological Formation Educational Hand Sample Collection content will link to the NGGDPP website as a cooperative partner.

Comparison of Accomplishments to Goals

Goals established for the project were met. The hand sample collection was inventoried, the metadata file was created, and the collection was entered into the National Catalog.

1. The collection inventory resulted in discovery of additional samples in the collection that were not previously cataloged. The inventory also revealed some gaps in information that required research, and identified some geological formations without representative samples. As a result, fieldwork to enhance the collection is planned.
2. Metadata format strategy was modified from the XML format file originally planned. The metadata was uploaded to the National Catalog using the NGGDPP CSV format template instead of the XML format file. The modification did not interfere with the goals of the project and promoted data update and error checking flexibility for Survey staff.

Publication of the Educational Hand Sample Collection web content on the Department of Environmental Protection web site is pending <http://www.ct.gov/dep/geology>

This project has assisted Connecticut Geological Survey data preservation efforts and is making the collection more accessible to geoscience educators. This project increases awareness and utilization of CT Geological Survey educational materials.

The Connecticut Geological Survey is committed to the National Geological and Geophysical Data Preservation effort. This mutual collaboration will improve the viability and security of our available geologic research and educational resources.

Appendix 1. Connecticut Geological Formation Educational Hand Sample Collection.

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
25-1a	D?d	Foliated quartz diorite, gabbro, exit ramp from eastbound I-84, exit 71 (Ruby Rd. Route 320) Willington	41.919663	-72.262031	R. Lewis; N. McHone	09/08/00	1	Library Rock Collection, 2/1
25-1 b	D?d	Foliated quartz diorite, quartz diorite with lavender garnet, exit ramp from eastbound I-84, exit 71 (Ruby Rd. Route 320) Willington	41.919699	-72.261907	R. Lewis; N. McHone	09/08/00	1	Library Rock Collection, 2/1
25-1 c	D?d	Foliated quartz diorite, quartz diorite with lavender garnet, exit ramp from eastbound I-84, exit 71 (Ruby Rd. Route 320) Willington	41.919663	-72.262031	R. Lewis; N. McHone	09/08/00	1	Library Rock Collection, 2/1
25-1 d	D?d	Foliated quartz diorite, quartz diorite with lavender garnet, exit ramp from eastbound I-84, exit 71 (Ruby Rd. Route 320) Willington	41.919607	-72.261932	R. Lewis; N. McHone	09/08/00	1	Library Rock Collection, 2/1
54-3 a	Dbl	Along Algonquin Pipeline SW of Diamond Lake in Glastonbury	41.688040	-72.483394	M. Thomas; N. McHone	10/19/95	1	Library Rock Collection, 1/3
54-4	Dbl	Garnet-staurolite schist. Blue-white blazed trail NW off Birch Mtn. Road. Trail has many loose garnets in soil.	41.717580	-72.469319	M. Thomas, T. Gagnon, R. Steinen	03/01/10	2	Library Rock Collection, 2/3
57-5-1	Dc	Collected in bed of brook to the south of the road, somewhat more biotite rich than typical	41.686612	-72.062409			1	Library Rock Collection, 1/4
57-6-1	Dc	Canterbury Gneiss, Note muscovite and garnet?	41.683982	-72.017577	S. Quarrier		1	Library Rock Collection, 1/4
84-3	Dc	Sample taken in area of old quarry, S of Hadlyme Ferry within sheared zone of Honey Hill Fault; gray to black quartz-biotite-feldspar gneiss. Dc (?).	41.418566	-72.425650	S. Quarrier		1	Library Rock Collection, 1/6

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
84-7	Dc	Biotite rich phase of Dc. In woods SW of Chester Elementary School, Ridge Rd, Chester	41.402414	-72.458005	R. Lewis; N. McHone	08/22/00	1	Library Rock Collection, 2/2
85-2	Dc	Canterbury, From Rt 11, Hamburg Quad	41.480731	-72.298489			1	Library Rock Collection, 1/6
42-2-1	Dce	Eastford Gneiss phase of Canterbury Gneiss, collected N side at Rt. 44 near Frog Rock; well foliated qtz-biotite-plagioclase gneiss.	41.868965	-72.051887	S. Quarrier		1	Library Rock Collection, 1/2
71-1	DI	From boulder in fence by road, seems to be representative of gabbro in this area	41.602325	-72.209970			1	Library Rock Collection, 1/4
78-5a	Dlp	Lamprophyre dike, westbound entrance ramp at exit 16 of I-84; samples WR-1 to WR-6	41.493600	-73.164090	T. Gagnon; R. Steinen	03/10/10	6	Library Rock Collection, 2/3
78-5b	Dlp	Lamprophyre dike, westbound lane of I-84 just before merge with exit 16 on-ramp. Samples W-1 and W-2 Dlp; sample W-3 contact of Dlp and Otb (basal member of Taine Mountain Fm. Fault plane exposed in middle of dike. Dike orientation: 310°, 82°SW	41.493380	-73.163930	T.Gagnon; R. Steinen	03/10/10	3	Library Rock Collection, 2/3
63-1	Dng	From Rt 6-202 Watertown, N side of road 1000-15000' east of Woodbury town line; foliated muscovite granite and pegmatite.	41.598775	-73.151405			1	Library Rock Collection, 1/4
35-5-1	DSt	Straits Schist, collected on road cut for entrance of side road on W side of main rd (rte. 179).	41.802984	-72.928566			2	Library Rock Collection. 1/2

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
35-7-1	DSt	Straits Schist, collected on N side of road (Rte. 4), Burlington	41.772889	-72.972802			1	Library Rock Collection, 1/2
49-1 a	DSt	Thomaston Dam area, mica schists, typical of this area, samples collected from Railway cuts below the dam and to the E, major rock type is pegmatite, large muscovite books quartz & feldspar laths, within pegmatite are zenoliths of Muscovite schist	41.691306	-73.060555			1	Library Rock Collection, sample missing
49-1 b	DSt	Thomaston Dam area, mica Schists, typical of this area, samples collected from Railway cuts below the dam and to the E, major rock type is pegmatite, above pegmatite is muscovite phyllite.	41.689873	-73.060516			1	Library Rock Collection, sample missing
49-1 c	DSt	Thomaston Dam area, mica Schists, typical of this area, samples collected from Railway cuts below the dam and to the E; major rock type is pegmatite, muscovite schist along road across dam, very crenulated.	41.693640	-73.060048			1	Library Rock Collection, 1/2
65-1	DSts	Collected at Roaring Brook; see Horne et al, 1995, GSA Guidebook #7 Field Trip D stop #10, Great Unconformity.	41.608062	-72.928704	M. Thomas		1	Library Rock Collection, 1/4
80-1	DSw	Wepawaug Schist; v-fine grained, almost phyllite.	41.389370	-72.973385	Rodgers	06/07/05	2	Library Rock Collection, 1/5
69-1	Jb	Higganum Dike Sample collected along old Railroad grade	41.571898	-72.471712	M. Thomas	06/01/97	1	Library Rock Collection, 1/4

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
83-2	Jb	Higganum dike, Diabase, collected in core of dike at exit ramp on southbound Rt 9 to 81; two samples, one very coarsely crystalline (gabbro: is this a seggregation sheet?)	41.470354	-72.557624	S. Quarrier		2	Library Rock Collection, 1/5
52-2	Jeb	Arkose Sandstone with rip-up clasts Rt 72-9-91 Westbound Lane Rte. 72	41.625161	-72.695506	S. Quarrier		1	Library Rock Collection, 1/3
52-3	Jeb	Mudstone-Shale Rt 72-9-91 Westbound Lane Rte. 72	41.625305	-72.695891	S. Quarrier		1	Library Rock Collection, 1/3
52-4	Jeb	Dark Gray Shale (mudstone) Rte. 72-9-91 Westbound Lane 72	41.625353	-72.695570	S. Quarrier		1	Library Rock Collection, 1/3
52-6	Jeb	Shear Zone, NE end of Vexation Hill, South side of proposed (but not built)-291 E.	41.670004	-72.694649	S. Quarrier		2	Library Rock Collection, 1/3
78-1-1	Jeb	Gray shale with asphalt and oil like filling (still soft/goosey: <i>i.e.</i> modern contaminant?) on open joints coating twinned carbonate crystals; from loose rock under bridge in bed of stream (White Oaks Fm.? Of Burton et al, 2005, NEIGC, field trip C3.)	41.469850	-73.243241	N. McDonald		1	Library Rock Collection, 1/5
52-5 a	Jeb	Track bearing layers from Dinosaur Park	41.652050	-72.656739	S. Quarrier		1	Library Rock Collection, 1/3
52-5 b	Jeb	Miscellaneous Samples from Dinosaur Park; 7 samples including two from cored boring	41.652086	-72.656547	S. Quarrier		8	Library Rock Collection, 1/3

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
52-5 c	Jeb	Track bearing layers from Dinosaur Park	41.652195	-72.656739	S. Quarrier		1	Library Rock Collection, 1/3
52-0-a, b, c, d, e	Jeb	Miscellaneous Samples from Rte. 91-72-9 road cut; a. Reddish-gray m-gr x-bedded arkosic ss; b. Gray mudstone; c-m-gr reddish-gray arkosic andstone with rip-up clasts; d. Interbedded gray mudcracked mudstone and gray siltstone; e. reddish-brown mudstone	41.625154	-72.695214	S. Quarrier			Library Rock Collection, 1/3
51-1-1	Jeb/Jha	Sample from fault zone N45E45NW strike 60 SW, suspect normal movement zone several inches to more than one foot crushed rock	41.716637	-72.763897			2	Library Rock Collection, 1/2
51-1-2	Jeb/Jha	Sample from small fault to the south of 51-1-1, fault N40E vertical striae, suspect NW side up about 10 feet apparent movement; calcite and pyrobitumen line fault surface.	41.716279	-72.764088			1	Library Rock Collection, 1/2
52-1	Jha	Hampden Basalt, Rte. 9-91-72 Westbound Lane along 72	41.625208	-72.694352	S. Quarrier		1	Library Rock Collection, 1/2
63-2	Jha	Vesicular basalt with copper and sulfide mineralization, from apparent mine tunnel in basalt cliff along South Brook, accessible from trail starting just north of golf driving range; South Brook Basalt of Burton, et al, 2005, NEIGC Guidebook for Fieldtrips in CT, p.251-294.	41.523473	-73.196857	G. McHone; N. McHone	07/10/03		Library Rock Collection, 1/4
52-8	Jho	"Asphalt" material (modern?) in basalt on N side of proposed I-291 entrance ramp to 91 N.	41.669654	-72.664782	N. MacDonald	09/01/79	1	Library Rock Collection, 1/3

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
67-2	Jho	Columnar Basalt, Collected S side of Rt 66 eastbound just after Black Pond	41.530285	-72.738772	S. Quarrier		2	Library Rock Collection, 1/4
96-1	Jho	96-1a and b. Segregation veins of coarser rock within the finer-grained basalt from the Tilcon Co. North Branford Quarry	41.359366	-72.787317	M. Thomas	03/19/95	2	Library Rock Collection, 1/7
38-1	Jp	Portland Arkose, fanglomerate from the Wolcott Quarry, Manchester	41.805307	-72.554130	S. Quarrier	01/01/88	1	Library Rock Collection, 1/2
67-1	Jp	Collected on waste piles to the N of Portland Brownstone Quarries	41.583950	-72.641811			1	Library Rock Collection, 1/4
67-3	Jp	Portland Arkose, From N side of road to Crystal Lake launching ramp, medium to coarse conglomerate, some sand and siltstone bands, 0-40 degrees E	41.512972	-72.637166	S. Quarrier		1	Library Rock Collection, 1/4
82-3	Jp	Fanglomerate contains basalt clast, collected just S of Durham Center on E side of highway 77, S of intersection with highway 79; unusually fresh (unweathered) basalt clast.	41.461717	-72.679280	M. Thomas	03/19/95	1	Library Rock Collection, 1/5
67-4	Jp	Black shale/siltstone with part of a fish fossil. Loc. ~1000' S of Laurel Brook Reservoir; 243900N, 618700E			John Jones			Library Rock Collection, 1/8
52-7	Jsm	Behind Rizzo's swimpool about 300,000N 608,500E, Loose in piles, specific source not known for sure; Red-brown siltstone; 2 samples each with <i>Grallator</i> positive underprint.	41.657124	-72.718775			2	Library Rock Collection, 1/8

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
82-1	Jsm	Coe's Quarry limestone; 6 samples	41.423807	-72.730905	S. Quarrier	05/28/05	6	Library Rock Collection, 1/5
51-1	Jsm	Limestone, micritic, Shuttle Meadow Fm; see SEPM 1978 field trip stop #6	41.671951	-72.833854			1	Library Rock Collection, 1/2
22-2	Jta	Breccia and other material collected at Higley Mine; See Gray, 1982, NEIGC Guidebook, p.195ff.	41.938363	-72.748878			3	Library Rock Collection, 1/1
96-2 c	Jta	Talcott Basalt breccia, just above contact with New Haven Arkose, Cinque Quarry, East Haven, E of Lake Saltonstall between Laurel St and North High St	41.298547	-72.863229	R. Lewis; N. McHone; M. Thomas	08/15/00	1	Library Rock Collection, 2/2
96-2 d	Jta	Talcott Basalt breccia, just above contact with New Haven Arkose, Cinque Quarry, East Haven, E of Lake Saltonstall between Laurel St and North High St	41.298445	-72.863297	R. Lewis; N. McHone; M. Thomas	08/15/00	1	Library Rock Collection, 2/2
96-2 e	Jta	Glassy amygdaloidal basalt; vugs (amygdales) filled with minerals (quartz and agate), Cinque Quarry, East Haven, E of Lake Saltonstall between Laurel St and North High St	41.298547	-72.863094	R. Lewis; N. McHone; M. Thomas	08/15/00	1	Library Rock Collection, 2/2
66-1	Jta/TRnh	Base of Talcott Basalt. Pillow formations behind Target Store off Rte 691 (exit 5). Secondary minerals in basalt vesicles. Contact of Talcott with TRnh top.	41.550000	-72.800000	M. Thomas, T. Delaney	7/17/2008	2	Library Rock Collection, on top of Cab.#1
95-1	Jwr	Collected at S end of West Rock just above baseball field at Gustave X. Amrhyn Field	41.331796	-72.960712	N. McHone; K. Sullivan	07/12/01	1	Library Rock Collection, 2/1

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
77-2	Ob	Newtown Gneiss, massive porphyroblastic phase	41.382017	-73.329565			1	Library Rock Collection, 1/5
92-3-1	Ob	Young Granite sheared in broad fault zone, nearly horizontal movement, nearby good ultramylonite	41.373333	-73.269442	S. Quarrier		1	Library Rock Collection, 1/6
92-3-2	Ob	Rock exposures in sand pit	41.373466	-73.269443			1	Library Rock Collection
70-1	Obr	Brimfield Schist	41.501109	-72.299898			1	Library Rock Collection, 1/4
99-5-3	Obr	Quartzite and conglomerate from W side of Rt 153, Essex, see S. Quarrier field notes 8/77; 2 samples.	41.312257	-72.435302	S. Quarrier		2	Library Rock Collection, 1/7
99-5-6	Obr	Conglomerate and quartzite from W of Pequot Swamp; pebbles of sillimanite-bearing quartzite.	41.318070	-72.422448	S. Quarrier		1	Library Rock Collection, 1/7
99-6-4	Obr	Amphibolite in Brimfield, 99-6-4F Felsic Gneiss which appears to intrude amphibole, see S. Quarrier field notes 8/77	41.313301	-72.408510	S. Quarrier		2	Library Rock Collection, 1/7
99-8	Obr	Rust-stained biotite-orthoclase-sillimanite-garnet schist, collected behind Westbrook Factory Stores just S of rest area on I-95 in Westbrook	41.289876	-72.430003	N. McHone	04/29/03	1	Library Rock Collection, 1/7
25-2	Obr	Brimfield Schist, Collected along I-84 off exit 70 (Route 32) S side of I-84 just past end of eastbound onramp	41.901342	-72.284468	R. Lewis; N. McHone	09/08/00	2	Library Rock Collection, 2/1
26-1	Obr	Brimfield Schist, from valley north of unnamed brook north of Kinney Pond along Kinney Hollow Road in Union	41.981712	-72.149352	R. Lewis; N. McHone	09/08/00	1	Library Rock Collection 2/1

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
26-5 a	Obr	Brimfield Schist with orange garnets, S side I-84, 2 miles E of Ruby Road, exit 71, Route 320 before Potter School Rd overpass	41.935449	-72.233676	R. Lewis; N. McHone	09/08/00	1	Library Rock Collection, 2/1
26-5 b	Obr	Plagioclase quartz k-feldspar, biotite garnet foliated pegmatite, pink garnets, S side I-84, 2 miles E of Ruby Road, exit 71, Route 320 before Potter School Rd overpass	41.935369	-72.233677			1	Library Rock Collection, 2/1
26-5 c	Obr	Plagioclase quartz k-feldspar, biotite garnet foliated pegmatite, pink garnets, S side I-84, 2 miles E of Ruby Road, exit 71, Route 320 before Potter School Rd overpass	41.935408	-72.233596			1	Library Rock Collection, 2/1
11-2 b	Obrg	Gneiss (metavolcanic) member of Brimfield Schist, two pyroxene granulite and orthopyroxen, k-feldspar granulite, Roadcut along exit ramp from Exit 74, I-84 westbound and Route 171, Union	42.028137	-72.141068	R. Lewis; N. McHone	09/08/00	1	Library Rock Collection, 2/1
26-4	Obrg	Gneiss (metavolcanic) member of Brimfield Schist, collected 1.1 miles along Webster Rd. from Toute 190, Union	41.980424	-72.210640	R. Lewis; N. McHone	09/08/00	3	Library Rock Collection, 2/1
11-1a-e	Obrg	Gneiss (metavolcanic) member of Brimfield Schist, mafic gneiss from abandoned rest area in woods north of entrance ramp to westbound I-84, exit 74 (Route 171) in Union	42.023517	-72.146887	R. Lewis; N. McHone	09/08/00	5	Library Rock Collection, 2/1
11-2 a	Obrg	Gneiss (metavolcanic) member of Brimfield Schist, two pyroxene granulite, Roadcut along exit ramp from Exit 74, I-84 westbound and Route 171, Union	42.028353	-72.141182	R. Lewis; N. McHone	09/08/00	1	Library Rock Collection, 2/1

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
26-2	Obrg	Gneiss (metovolcanic) member of Brimfield Schist, collected along Route 89 between exit 72 of I-84 and Route 190 in Union	41.963424	-72.198646	R. Lewis; N. McHone	09/08/00	1	Library Rock Collection, 2/1
49-2	Oc	Aplite Dike in Reynolds Bridge Gneiss; med-cse grained	41.654930	-73.078065			1	Library Rock Collection, 1/2
78-4	Oc	Collected at Southford Falls State Park near stream along trail	41.455155	-73.163628	R. Lewis; N. McHone	12/18/00	1	Library Rock Collection, 2/2
68-3	Och	Two samples, mica and quartz feldspar and tourmoline from debris on roadway at Strickland Quarry	41.592505	-72.591910	S. Quarrier	08/01/99	2	Library Rock Collection, 1/4
68-4	Och	Two colored feldspar samples from old pegmatite quarry, Meshomasic State Forest near Cobalt	41.574047	-72.552625	R. Lewis	04/30/98	1	Library Rock Collection, 1/4
68-5	Och	Vein quartz and galena from former silver mine, Middletown	41.559554	-72.611999	R. Lewis; M. Thomas; N.McHone	04/27/00	1	Library Rock Collection, 1/4
68-6	Och	Vein quartz and galena from former silver mine, Middletown	41.559454	-72.611966	R. Lewis; M. Thomas; N.McHone	04/27/00	1	Library Rock Collection, 1/4
68-7 a	Och	Vein contains quartz, bornite, sphalerite from former silver mine, Middletown	41.559504	-72.611866	R. Lewis; M. Thomas; N.McHone	04/27/00	1	Library Rock Collection, 1/4
68-8	Och	Feldspar with some muscovite from Rock Landing Quarry, East Hampton	41.508231	-72.522261	M. Thomas; S. Frank	06/01/00	1	Library Rock Collection, 1/4
68-9	Och	Piece of smokey quartz, blackness of quartz is due to radiation burns; from Rock Landing Quarry, East Hampton	41.508231	-72.522261	M. Thomas; S. Frank	06/01/00	1	Library Rock Collection, 1/4

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
68-10	Och	Smokey quartz with Uranium minerals from Rock Landing Quarry, East Hampton. Two samples.	41.508231	-72.522261	M. Thomas; S. Frank	06/01/00	3	Library Rock Collection, 1/4
68-13	Och	Pegmatite with large tourmaline crystal from Halberg Quarry, East Hampton	41.518924	-72.531037	N. McHone; S. Frank; S. Warzecha	06/01/00	1	Library Rock Collection, 1/4
68-15	Och	Collected on Chamberlain Hill Rd in Haddam, just below Middletown border, 0.2 miles E of Roberts Rd	41.500719	-72.620347	R. Lewis; N. McHone	05/11/00	1	Library Rock Collection, 2/2
83-4	Och	Collins Hill Formation, Plagioclase Quartz Biotite (Hornblend?) Garnet Gneiss, E side of northbound lane of Rt 9, almost coticule-like	41.445722	-72.519250	S. Quarrier		1	Library Rock Collection, 1/6
83-5	Och	Collins Hill Formation, Muscovite? schist with abundant sulphides, weather rapidly to yellow rusty color, Rt 9 N, E side	41.446937	-72.520052	S. Quarrier		2	Library Rock Collection, 1/6
68-14	Och	Samples a and b: Collected along power line just N of Middle Haddam Rd in Portland; foliated granite (biotite-quartz-feldspar gneiss).	41.565363	-72.578451	R. Lewis; N. McHone	09/22/00	2	Library Rock Collection, 2/2
82-2	Ochv	Coticule Metavolcanic Rocks of Bible Brook, Eaton and Rosenfeld 1972, opposite side of road from Millers Pond; 2 pieces fit together	41.482419	-72.628671	S. Quarrier		2	Library Rock Collection, 1/5
83-9	Ochv	Coticule Metavolcanic Rocks of Bible Brook, Eaton and Rosenfeld 1972, Under power lines	41.485592	-72.624215	S. Quarrier		1	Library Rock Collection, 1/5
68-17	Ochv	Metavolcanic member of Collins Hill Formation, amphibolite and chloritic, hornblende schist, collected from White Rocks Quarry, River Rd, Middletown	41.556041	-72.597661	R. Lewis; M. Thomas; N.McHone	04/27/00	2	Library Rock Collection, 2/2

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
46-6	Og	Ordovician Granite, Candlewood Lake Pluton, from R. Jackson 1982 NEIGC field trip stop #4	41.673946	-73.441125			2	Library Rock Collection, 1/2
62-4	Og	Mine Hill Granite Gneiss from blocks in the Rockside Quarry, see Dale 1911 USGS Bull 484, Muscovite Granite Gneiss, See also 62-6.	41.570725	-73.337193	S. Quarrier	09/01/79	1	Library Rock Collection, 1/4
62-5	Og	Mine Hill Granite Gneiss from operating quarry on Roxbury Landtrust land, noticeable amounts of biotite; 3 samples	41.563456	-73.338564			3	Library Rock Collection, 1/4
62-5 a	Og	Includes white colored band of aplite, does not split	41.563581	-73.338344			1	Library Rock Collection, 1/4
62-7	Og	Sample from 1-2' wide vein along north wall of quarry, siderite, etc presumably in part of the vein network forming iron deposit, see also 62-4	41.570517	-73.337209			1	Library Rock Collection, On shelf atop Cab. #2
92-4-1	Og	Collected from Huntington State Park, site of large tourmaline	41.355592	-73.353152	R. Hyde; N. McHone	08/09/96		Library Rock Collection, on top of Cab. #1
92-5	Og	Coarsely crystalline Ordovician granite from Huntington State Park, intersection of blue and red trails	41.339215	-73.345537	N. McHone; B. Kelly	11/03/03		Library Rock Collection, 1/2
92-6	Og	Biotite Schist with garnets from Huntington State Park along red trail near swamp	41.343162	-73.348608	N. McHone; B. Kelly	11/03/03		missing

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
39-2	Ogl	Glastonbury Gneiss- pegmatite phase, collected during 2003 NEIGC trip (Wintsch et al, stop 1) between I-384 and eastbound entrance ramp from Wyllys St in Manchester (Highland	41.768161	-72.487348	N. McHone	10/10/03	1	Library Rock Collection, 1/2
53-1	Ogl	Collected along Algonquin Gas Pipeline trench	41.626231	-72.577687	Hyde; Thomas; McHone	05/16/97	1	Library Rock Collection, 1/3
53-2	Ogl	Glastonbury Gneiss and aplite dike, Collected along Algonquin Gas Pipeline trench	41.626400	-72.577630	Hyde; Thomas; McHone	05/16/97	1	Library Rock Collection, 1/3
53-3	Ogl	Aplite Dike in Glastonbury Gneiss, Collected along Algonquin Gas Pipeline trench	41.626272	-72.577405	Hyde; Thomas; McHone	05/16/97	1	Library Rock Collection, 1/3
53-4	Ogl	Pegmatite in Glastonbury Gneiss, Collected along Algonquin Gas Pipeline trench	41.626231	-72.577687	Hyde; Thomas; McHone	05/16/97	1	Library Rock Collection, 1/3
68-12	Ogl	Collected from Case Quarry, Portland	41.624309	-72.579649	M. Thomas; S. Frank; S. Warzecha	06/01/00	1	Library Rock Collection, 1/4
54-1 a	Ogl	Glastonbury Gneiss with xenolith (enclave), Cliff Ambers at Indiana University working on this outcrop; see Wintsch et al, 1995 (NE section-GSA Guidebook for Fieldtrips) Trip A stop 10.	41.703911	-72.491335			1	Library Rock Collection, 1/3
54-1 b	Ogl	Several photos of this, large exposed area of polished and striated surface, glacial striae	41.704031	-72.491415			1	Library Rock Collection, 1/3
54-2 a	Ogl	Glastonbury gneiss from large boulder that was split as part of local quarrying, may have come from some distance north	41.742857	-72.490069			1	Library Rock Collection, 1/3

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
54-2 b	Ogl	Glastonbury gneiss collected from old curbstone? quarry	41.742857	-72.490338			1	Library Rock Collection, 1/3
109-1	Ohb	Collected in Beardsley Park, Bridgeport	41.214415	-73.180265	N. McHone; K. Sullivan	07/13/01	1	Library Rock Collection, 2/3
110-1 a	Oma	Greenstone, collected along road into Silver Sands State Park	41.205456	-73.075963	N. McHone; K. Sullivan	07/10/01	1	Library Rock Collection, 2/3
110-1 b	Oma	Schist, collected along road into Silver Sands State Park	41.205492	-73.075778	N. McHone; K. Sullivan	07/10/01	1	Library Rock Collection, 2/3
68-1	Oml	Pegmatite from Pegmatite sill in bottom of Middletown Formation, W side of Rt 9 southbound lane just past power lines	41.504599	-72.585131	S. Quarrier		1	Library Rock Collection, 1/4
83-3	Oml	Amphibolite/Hornblende Gneiss, massive amphibolite E side, southbound lane Rt. 9, S end of large amphibolite, just S of Beaver Meadow Rd	41.457532	-72.529625	S. Quarrier	10/01/76	1	Library Rock Collection, 1/5
83-10	Oml	Middletown Formation, Haddam Map Om if microcline bearing gneiss, Light gneiss S of Hackney Pond, W side of the swamp, S of road	41.427212	-72.546552	S. Quarrier		1	Library Rock Collection, 1/6
83-11	Oml	Anthophyllite-bearing gneiss, Hubbard Rd just N of Beaver Meadow Rd off Exit 8 of Rt 2, Haddam; 4 samples.	41.458845	-72.528013	R. Lewis; N. McHone	08/22/00	4	Library Rock Collection, 2/2
24-1	Omm	Soapstone, SE side of Soapstone Mountain, ultra mafic and altered soapstone-like rock; samples 1, 1a, 1b, and 1c.	41.956967	-72.413744			5	Library Rock Collection, 1/1

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
83-1	Omo	Collected E side of southbound lane Rt 9	41.478497	-72.560535	S. Quarrier	10/01/76	1	Library Rock Collection, 1/5
83-7	Omo	Monson Gneiss, Haddam Gneiss, N side Rt 148, N of Murry Ponds, cloudy quartz in joints in this area, tan gneiss is typical of the area	41.390417	-72.537326	S. Quarrier		1	Library Rock Collection, 1/6
83-8	Omo	N80E, 10N, E side road, typical Haddam Gneiss; two samples	41.396846	-72.605640	S. Quarrier		1	Library Rock Collection, 1/6
84-6	Omo	From small Farm Lot Quarry, S. Quarrier Field Notes 87-1-2	41.491258	-72.498565			1	Library Rock Collection, 1/6
97-5	Omo	Monson Gneiss, massive to well layered biotite gneiss, layering 1 cm to 1 m, some interlayered amphibolite, sample shows moderately well-layered rock, foliation well-developed on biotite mica layers	41.360031	-72.643252	S. Quarrier		1	Library Rock Collection, 1/7
98-1	Omo	Chatfield Hollow State Park, W side of trail around Indian Caves	41.365751	-72.585144	R. Lewis; N. McHone	12/18/00	1	Library Rock Collection, 2/3
99-5-1	Omo	Monson Gneiss, massive hornblende gneiss from E side of Rt 153, Essex Quadrangle, see S. Quarrier field notes 8/77	41.316635	-72.433043	S. Quarrier		1	Library Rock Collection, 1/7
99-5-2	Omo	Rusty weathering Monson Gneiss, biotite, hornblende and sulfide; from W side of Rt 153, Essex, see S. Quarrier field notes 8/77	41.315584	-72.435532	S. Quarrier		1	Library Rock Collection, 1/7

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
83-6	Omu	Middletown Formation, Quartz Plagioclase (Gedrite-Anthophyllite) Gneiss, Rt 9 northbound entrance ramp E side, Beaver Meadow Rd; possibly Oml (?)	41.457522	-72.528122	S. Quarrier		1	Library Rock Collection, 1/6
111-1	Oo	Collected from Merwin Point, Woodmont	41.223143	-72.992473	S. Quarrier	01/01/91	1	Library Rock Collection, 1/7
88-1	Op	From N side of Rt 2	41.470913	-71.951340	S. Quarrier	09/01/83	1	Library Rock Collection, 1/6
14-2	Oq	Quinebaug Formation, mylonite from gravel pit along Webster Rd. opposite end of Wilsonville Rd. Housing development beginning there in 2000	42.009718	-71.843301	R. Lewis; N. McHone	08/31/00	1	Library Rock Collection, 2/1
58-1	Oq	Gneiss from near the village of Wauregan, TILCON Wauregan Quarry	41.749985	-71.889379	R. Altamura	06/05/05	1	Library Rock Collection, 1/4
34-7-3	Or	Ratlum Mountain Schist, Hartland I, N side of highway just before Rt. 8, gneiss; <i>Sample #4 CT Rock Set.</i>	41.762907	-73.114373			3	Library Rock Collection, 1/1
34-7-3 a	Or	Ratlum Mountain Schist, Hartland I, N side of highway just before Rt. 8, amphibolite schist and garnet bearing amphibolite.	41.762820	-73.114314			1	Library Rock Collection, 1/1
34-8-1	Or	Ratlum Mountain Schist, Hartland III, from Harwinton; med-grained quartz-brown micaschist w/ minor garnet, trace amphibole	41.771351	-73.060442			2	Library Rock Collection, 1/2

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
34-8-2	Or	Ratlum Mountain Schist, Hartland III, S. side of road (Rte. 118) just NE of Kelly Pond, Harwinton; fine-grained quartz-mica schist w/ trace garnet	41.768539	-73.078272			1	Library Rock Collection, 1/2
62-2	Or	Micaceous quartzite/schist, Hartland formation	41.547986	-73.292479			1	Library Rock Collection, 1/4
62-6	Or	Siderite collected from debris piles around the base of the Furnaces at the Roxbury Iron Mines; 3 samples	41.559039	-73.333938			1	Library Rock Collection, 1/4
76-8-1	Or	Mylonite sample in granite behind Auto sales place	41.408516	-73.417192			1	Library Rock Collection, 1/5
76-9-2	Or	Sheared Hartland? from E side of stream just above Cameron's Line	41.383501	-73.389609			1	Library Rock Collection, 1/5
78-3	Ot	Collected at Southford Falls State Park, SE side of Papermill Pond on ridge	41.457443	-73.161046	R. Lewis; N. McHone	12/18/00	1	Library Rock Collection, 2/2
87-1a	Ota	Blastomylonite at south end of otc (see 87-1)	41.497623	-72.084258	S. Quarrier	08/01/76		Library Rock Collection, 1/6
87-1b	Ota	Piece of boulder on hill above Trading Cove Road. Note eroding of quartz+etc RE strong lineation on surface. (see 87-1)	41.497623	-72.084258	S. Quarrier	08/01/76		Library Rock Collection, 1/6
14-1 a	Ota	Tatnic Hill Formation, Quartzite from intersection I-395 and Wilsonville Rd; white v.-f.-grained foliated rock: quartzite?, marble?	42.008332	-71.856031	R. Lewis; N. McHone	08/31/00	1	Library Rock Collection, 2/1

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
14-1 b	Ota	Tatnic Hill Formation, Gneiss from intersection I-395 and Wilsonville Rd; mylonite (?) with porphyroblasts of feldspar.	42.008294	-71.856083	R. Lewis; N. McHone	08/31/00	1	Library Rock Collection, 2/1
14-1 c	Ota	Tatnic Hill Formation, Biotite-rich gneiss from intersection I-395 and Wilsonville Rd; gray to black quartz-biotite (?) gneiss with pyroxene(?)	42.008309	-71.856281	R. Lewis; N. McHone	08/31/00	1	Library Rock Collection, 2/1
28-1	Ota	Tatnic Hill Formation, garnet bearing amphibolite(?) with porphyroblasts of feldspar. On-ramp for I-395-S at exit 98 from Route 12 in Thompson	41.952731	-71.881754	R. Lewis; N. McHone	08/31/00	1	Library Rock Collection, 2/1
72-1	Ota	Rusty and garnetiferous	41.590971	-72.017366	S. Quarrier	08/01/76	1	Library Rock Collection, 1/5
73-1	Ota	Bottom of Tatnic Hill	41.589892	-71.995442	S. Quarrier	08/01/76	1	Library Rock Collection, 1/5
84-4	Ota	Putnam Gneiss, N side of Whale Bone Creek, taken from rock about 50' above river, within sheared zone of Honey Hill Fault	41.418302	-72.425732	S. Quarrier		1	Library Rock Collection, 1/6
87-1	Ota	Mylonite and ultramylonite just N of Trading Cove, typical of sheared rock in Honey Hill Fault Zone. Section along railroad leads to sheared zone and mylonite of Honey Hill Fault. Note eroding of quartz	41.497623	-72.084258	S. Quarrier	08/01/76	2	Library Rock Collection, 1/6
99-6-2	Ota	Putnam Gneiss, quartz-biotite-plagioclase gneiss, see S. Quarrier field notes 8/77	41.300498	-72.399342	S. Quarrier		1	Library Rock Collection, 1/7

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
72-2	Ota	Typical section of biot-gneiss lithology, good exposure	41.586692	-72.036228				missing
72-3	Ota	Exposure of what is mapped as the schist phase of the Tatic Hill	41.584302	-72.049465				missing
71-3	Otaf	Samples a-d. 0.2 miles from Honey Hill Fault along South Rd at powerline in Bozrah; a and b: coarsely crystalline dolomite, c: finely crystalline white marble?	41.516759	-72.179371	R. Lewis; N. McHone	09/12/00	4	Library Rock Collection, 2/2
72-4	Otaf	Follow road cut to the S beyond entrance for Exit 27N, some calc silicate under pegs on west side, nice water polished rocks	41.554750	-72.118158				missing
71-5	Otay	Mylonite (?) Collected from intersection of South and Bishop Rds, Bozrah	41.513437	-72.165246	R. Lewis; N. McHone	09/12/00	1	Library Rock Collection, 2/2
78-5c	Otb	Gray layered biotite gneiss	41.493610	-73.164000	R.Steinen	03/07/10	1	Library Rock Collection, 2/3
16-1	Ow	Waloomsac Schist, from roadcut on S side of road, characterized by medium to fine grained, graphitic-quartz-biotite schist	41.994895	-73.409288			1	Library Rock Collection, 1/1
16-2	Ow	Waloomsac garnet staurolite schist, Owgs on Gates Map, sample was taken from float (Gates oral communication) but is typical of this rock type, part of red color may be due to sample being used as part of camp fire, ridge to west has good exposures of Ose	41.993275	-73.431283			1	Library Rock Collection, 1/1

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
16-6	Ow	Ore Hill Iron Mine, "Iron Ore" limonite/goethite, Salisbury. (Note: part of iron deposit occurs as a grus.)	41.957490	-73.471885	CGNHS field party	03/28/90	1	Library Rock Collection, 1/1
16-7	Ow	Ore Hill Iron Mine, "Iron Ore" hematite and pyrolucite, Salisbury. (Note: part of iron deposit occurs as a grus.)	41.957422	-73.471794	RJA	03/28/90	1	Library Rock Collection, 1/1
16-8	Ow	Ore Hill Iron Mine, "Iron Ore" hematite, Salisbury. (Note: part of iron deposit occurs as a grus.)	41.957376	-73.471945	RJA	03/28/90	1	Library Rock Collection, 1/1
45-1	Ow	Walloomsac Schist from Bulls Bridge, stop #2 on R. Jackson 1982 NEIGC trip, may be similar to Owm, calcite marble with very little dolomite	41.676080	-73.511118	S. Quarrier	11/01/89	1	Library Rock Collection, 1/2
34-7-1	OEr	Rowe Schist, Hartland II	41.767545	-73.086962			3	Library Rock Collection, 1/1
62-1	OEr	Kyanite Gneiss, south of Berry Rd, Roxbury, sample has 1-2" kyanite blades, site has 6-8" specimens; this is Gates best location; probably should be identified as a prime mineral locality	41.508115	-73.329218			1	Library Rock Collection, on shelf atom Cab. #2
62-3	OEr	Mica schist with garnet porphyroblasts, Hartland formation	41.539159	-73.303867			1	Library Rock Collection, 1/4
34-7-2	OEr	Rowe Schist, Hartland II, W side of Rt. 8	41.755349	-73.116931				missing
62-1 a	OEr	Sample from Log Jam Schist	41.508130	-73.331764	S. Quarrier; Bob Tracy	06/01/88		missing

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
76-1	OEs	Inwood marble from Brookfield, Lime Kiln Brook area S of Mountain Rd in outcrops in sand pit; three samples (76-1, 76-1a, and 76-1b); 1b is white medium-grained crystalline marble.	41.483938	-73.417339			2	Library Rock Collection, 1/5
76-9-1	OEs	Inwood? Marble from W side of stream just below Cameron's Line; v-finely crystalline gray marble	41.382995	-73.390445			1	Library Rock Collection, 1/5
93-3	Pp	Unfoliated dike/sill of gray porphyritic dacite/rhyolite. Contact with Och exposed S. of apt complex; see Crowley 1968, QR-24. more info on card	41.280600	-73.231950	T.Gagnon; R. Steinen	03/10/10		Library Rock Collection, 2/3
93-2	Ppa	Adamellite; see map with paper folder. 4 samples. Sample 1: west side of Old Dike Rd. , 2-4 in park (see card for georef. sample locations).	41.260500	-73.178889	T. Gagnon	06/12/09		Library Rock Collection, 2/2
78-2	Ps	From W side of road just below falls at Southford State Park	41.458103	-73.167671			1	Library Rock Collection, 1/5
78-2 a	Ps	From W side of road just below falls at Southford State Park, shows rounded pegmatite (eroded) and oxidized xenolith	41.457972	-73.167757			1	Library Rock Collection, 1/5
39-1	Sbc	Clough Quartzite, from stone quarry at NW end of Box Hill, Vernon, Northerly striking, E dipping	41.809282	-72.458262			1	Library Rock Collection, 1/2
68-2 a	Sbc	Arsenopyrite in quartz from near Cobalt	41.577383	-72.550116	R. Altamura	05/31/05	1	Library Rock Collection, 1/4

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
68-2 b	Sbc	Arsenopyrite in quartz from Meshomasic State Forest near Cobalt	41.577383	-72.550427	R. Lewis	04/30/98	1	Library Rock Collection, 1/4
68-2-40	Sbc	Arsenopyrite and quartz, near adit of the "Old Cobalt Mines" (see Chomiak et al., 1986, NEGSA on occurrence of native gold). Gadpouch Road; location from GoogleEarth (approx)	41.577786	-72.550072	R.J. Altamura	Sum. 1978		Library Rock Collection, 1/4
26-3	SObu	Upper member of Bigelow Brook Formation, Lavender garnets, glagioclase, quartz, biotite, sillimantite? schist, N side Route 171 just W of Bigelow Pond, Bigelow State Park, Union	41.991911	-72.133556	R. Lewis; N. McHone	09/08/00	1	Library Rock Collection, 2/1
42-5-1	SOh	Hebron Gneiss, metasilstone, Hebron (Oakdale) well layered sample collected from knob behind house, well developed chevron folds in outcrop, fold axis N50-60E, plunge gentle N and S, W over E couple, Amplitude 1-2'	41.819026	-72.061771	S. Quarrier		1	Library Rock Collection, 1/2
57-6-2	SOh	Meta siltstone/Hornfels? Mapped as hCS on GQ 392, Collected just W of pond, low outcrops Canterbury is just to the W of the outcrop, inclusions of this rock and a very fine grained biotite schist are found in Canterbury. This rock is quite massive with no apparent bedding or layering, does not show obvious sedimentary bedding of Oakdale/Hebron in the W of the Quad, strike of rock trends as shown on map, NE dip is uncertain because of lack of layering	41.685041	-72.015815			1	Library Rock Collection, 1/4

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
71-2	SOh	Metasiltstone Hebron, like Oakdale (Pease); 2 samples in different drawers.	41.612032	-72.189850			1	Library Rock Collection, 1/4 - 5
71-4	SOh	Typical Hebron Gneiss. Many boudins in outcrop (71-4b. Is part of a boudin), from Rt 2, 0.5 miles E of Exit 22, long cut in Bozrah	41.570211	-72.195835	R. Lewis; N. McHone	09/12/00	2	Library Rock Collection, 2/2
84-1 a	SOh	Biotite Gneiss and schist, E side of northbound entrance ramp intersection of Rt 9 and 148	41.402837	-72.472777	S. Quarrier		1	Library Rock Collection, 1/6
84-1 b	SOh	Biotite gneiss and schist, E side of northbound entrance ramp intersection of Rt 9 and 148	41.402728	-72.472778	R. Lewis; N. McHone	08/22/00	1	Library Rock Collection, 2/2
84-1 c	SOh	Biotite gneiss and schist, E side of northbound entrance ramp intersection of Rt 9 and 148	41.402809	-72.472633	R. Lewis; N. McHone	08/22/00	1	Library Rock Collection, 2/2
84-5	SOh	Gillette Castle area, partway down the slope facing ferry, note dark mylonite layer	41.421478	-72.428683	S. Quarrier		1	Library Rock Collection, 1/6
99-6-1	SOh	Hebron Fm., biotite schist and gneiss; N 60-80E 80N, see S. Quarrier field notes 8/77, also sample of calc- silicate gneiss	41.299191	-72.382774	S. Quarrier		4	Library Rock Collection, 1/7
99-7	SOh	Sulfur rich layer in Hebron Gneiss, from Kelsey Hill Rd near Rt 9 overpass, Deep River	41.368138	-72.431712	R. Lewis; N. McHone	08/22/00	1	Library Rock Collection, 2/3
93-1	Stb	Marble in lower Straits Schist, taken on SW side of Mine Hill	41.289856	-73.226621			3	Library Rock Collection, 1/6

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
22-1	TRnh	Cut sample from Newgate Prison; mottled copper ore (bornite/calchopyrite and malachite) in arkose sandstone host; see Gray, 1982, NEIGC Guidebook, p.195ff. Location likely from base of stairs into mine.	41.961398	-72.749158	Wesleyan Student	09/01/79	1	Library Rock Collection, 1/1
77-1	TRnh	Petrified Wood reportedly from Pomperaug Triassic; three samples, large one on top of Cab. #1	41.463797	-73.251654			3	Library Rock Collection, 1/5
96-2 a	TRnh	Conglomerate containing angular clasts of weathered vesicular basalt. From just below contact with Talcott Basalt, Cinque Quarry, East Haven, E of Lake Saltonstall between Laurel St and North High St	41.298777	-72.863331	R. Lewis; N. McHone; M. Thomas	08/15/00	1	Library Rock Collection, 2/2
96-2 b	TRnh	Very fine-grained sandstone contains carbonized wood fossils, from just below contact with Talcott Basalt, Cinque Quarry, East Haven, E of Lake Saltonstall between Laural St and North High St	41.298751	-72.863433	R. Lewis; N. McHone; M. Thomas	08/15/00	1	Library Rock Collection, 2/2
99-2-1	u	Composed of equant dark-gray pyroxene(?) grains. Ultramafic body shown on quad. report.	41.361814	-72.442428	S. Quarrier	04/01/79	1	Library Rock Collection, 1/7
105-1-1	Yg	Aplite Dike in Fordham Gneiss; Mt. Kisco, NY	41.210457	-73.728908	S. Quarrier		1	Library Rock Collection, 1/7
46-5	Ygn	Pre-Cambrian, Proterozoic gneiss, just up the hill from sample 46-4, R. Jackson 1982 NEIGC field trip stop #5, can trace a contact between Dalton and Ygn	41.628059	-73.440107			1	Library Rock Collection, 1/2

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
46-2	Ygn	Road cut just west of bridge, Pre-Cambrian gray gneiss with amphibolite (? folded biotite-rich layer) on N side Kent School from R. Jackson 1982 NEIGC trip stop #1	41.727281	-73.484103	S. Quarrier		1	Library Rock Collection, 1/2
111-2	Zl	From Light House Point Park, New Haven, below lighthouse	41.248135	-72.903572	N. McHone; K. Sullivan	07/13/01	1	Library Rock Collection, 2/3
29-1	Zp	Samples a and b. Plainfield Formation, from Putnam east along Route 44 opposite Tucker Hill Rd	41.921014	-71.839990	R. Lewis; N. McHone	08/31/00	3	Library Rock Collection, 2/1
44-1	Zp	Plainfield Formation, N side of Conn. Turnpike (Rte. 695) in zone of transition from quartzite to schist, note lineation	41.775202	-71.850491	S. Quarrier		1	Library Rock Collection, 1/2
97-2	Zp, Zsc & Pn	"Mamacoke Formation" of Bernold, 1962 p. 22, NE side of Joshua Cove, N of road, coarse feldspar-bearing quartzite, indistinct bedding	41.256957	-72.702060	S. Quarrier		3	Library Rock Collection, 1/7
97-3	Zp, Zsc & Pn	"Mamacoke Formation" of Bernold, 1962 p. 22, migmatite, foliation: 140-50N. Quartz-plagioclase-biotite gneiss with cross-cutting layers of pink feldspar.	41.260633	-72.695143	S. Quarrier		1	Library Rock Collection, 1/7
97-6	Zp, Zsc & Pn	From Red Hill Quarry, Stony Creek Preserve, Branford	41.287774	-72.745836	N. McHone; K. Sullivan	07/16/01	1	Library Rock Collection, 2/3
100-1	Zp, Zsph & Pn?	Plainfield Formation; Quarzite qith trace of garnet.	41.325181	-72.319909	S. Quarrier		1	Library Rock Collection, 1/7

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
29-2	Zpq	Quartzite Unit of Plainfield Formation, strongly lineated (intersecting cleavages) biotite schist. Five Mile River Rd, east end, 0.7 miles from Route 44 in Putnam	41.909900	-71.800375	R. Lewis; N. McHone	08/31/00	2	Library Rock Collection, 2/1
97-4	Zpq, Zsc & Pn	Plainfield Formation, Quartzite and Quartz schist, bedding striking parallel to valley and dip N 40 degrees; gray biotite bearing quartzite.	41.287651	-72.704481	S. Quarrier		2	Library Rock Collection, 1/7
97-1	Zsc & Pn	Stony Creek Quarry Granite	41.285602	-72.740495	S. Quarrier	06/01/75	3	Library Rock Collection, 1/7
59-1	Zsh	North side of Rt 14 in middle of large OTC	41.717737	-71.861943			1	Library Rock Collection, 1/4
102-1	Zsh	102-1a abd b. Alaskite Gneiss and New London Gneiss from S end of Bluff Point	41.313095	-72.032020	S. Quarrier		2	Library Rock Collection, 1/7
102-2	Zsh	Collected on point above Bluff Point Beach	41.314931	-72.035383	N. McHone; K. Sullivan	07/18/01	1	Library Rock Collection, 2/3
200-1	Zsh	Hope Valley Alaskite, collected from Hope Valley area of Rhode Island			M. Pease		1	Library Rock Collection, 1/7
44-2	Zsp	Hope Valley Alaskite gneiss or Ponaganset gneiss, note lack of mafics and strong lineations	41.786196	-71.808359	S. Quarrier		1	Library Rock Collection, 1/2
100-2	Zsph	Sterling Plutonic Group, biotite granitic gneiss collected behind boatyard; two samples	41.313186	-72.344629	S. Quarrier		2	Library Rock Collection, 1/7

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
73-2	Zw	From NW side of Glasgo Pond, Griswold	41.558100	-71.889304	R. Lewis; N. McHone	09/12/00		missing
84-2	Zwnj	New London Gneiss, Joshua Rock Member, Aegerine augite gneissic granite, collected from Joshua Rock	41.380903	-72.376130	S. Quarrier	09/01/76	1	Library Rock Collection, 1/6
86-2	Zwnj	New London Gneiss, Joshua Rock Gneiss Member, Aegerine augite	41.431151	-72.169735	S. Quarrier	08/01/76	1	Library Rock Collection, 1/6
86-3	Zwnj	Note cherry-red spots (irradiation halos?), collected from abandoned stone quarry	41.375630	-72.144286	S. Quarrier	08/01/76	1	Library Rock Collection, 1/6
84-8	Zwr	From steamboat landing between town parking lot and railroad track, Deep River	41.395376	-72.427009	R. Lewis; N. McHone	08/22/00	1	Library Rock Collection, 2/2
85-1	Zwr	From Rt 11 in Salem, Not collected yet (GPS for guidance to site only)	41.468781	-72.284182				
86-1	Zwr	Monson-like, from S of Honey Hill Fault Zone; Rope Ferry Gneiss of Waterford Group	41.489014	-72.242497	S. Quarrier			missing
16-5	Ed	Cambrian Dalton Formation, well exposed, fairly clean quartzite, contrasting rocks (dirty Dalton) are exposed at head of Dean's Ravine in S. Canaan Quad and on south side of road leading away from Dean's Ravine to the north	41.905233	-73.392755			1	missing

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
46-4	Ed	Dalton (Lower) from R. Jackson 1982 NEIGC field trip stop #5, Dalton is a Schist (as it is in the E) and is described as being similar to Manhattan C or Canaan Mountain, which Jackson believes is an eastern facies of Dalton, now Allochthonous	41.627013	-73.441479			1	Library Rock Collection, 1/2
46-1	Ed	Precambrian Dalton Formation, road cut just west of bridge, S side quartzite sitting above PC, from Kent School outcrop, see R. Jackson 1982 NEIGC trip stop #1; tourmaline bearing fine-grained quartzite	41.727447	-73.483302	S. Quarrier		2	Library Rock Collection, 1/2
16-3 a	Ee	Cambrian Everett Schist sample from boulder and blocks, south side of Mt. Riga Rd., garnet rich, more typical of zone near contact with Walloomsac; <i>Sample 3 of Connecticut Rock Set.</i>	41.999313	-73.450501			1	Library Rock Collection, 1/1
16-3 b	Ee	Cambrian Everett Schist sample from boulder and blocks, south side of Mt. Riga Rd., garnet-poor	41.999246	-73.450409			1	Library Rock Collection, 1/1
19-9-1	Eh	Cambrian "Waramaug Formation", Hoosac Schist, West Hill Road, New Hartford, 2 samples. Quartz-plagioclase-biotite schist and gneissic schist.	41.904117	-73.035250			2	Library Rock Collection, 1/1
46-3	Ema	Canaan Mountain, typical Manhattan C schist, See R. Jackson 1982 NEIGC field trip stop #4, station 4-B; med-grained garnet bearing plagioclase mica schist.	41.671602	-73.440628	S. Quarrier		1	Library Rock Collection, 1/2

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
2-2	Esa	Cambrian Dolomite marble from Allyndale Quarry, marble samples	42.026390	-73.288597	S. Quarrier	09/01/79	2	Library Rock Collection, 1/1
2-3 a	Esa	2-3' above top of marble- Iron ore? From Allyndale Quarry, Limonite concentrations (concretions) found in red clay "Saprolite", NW side of quarry	42.026187	-73.288649			1	Library Rock Collection, 1/1
2-3 b	Esa	2-3' above top of marble- Iron ore? From Allyndale Quarry, Limonite concentrations (concretions) found in red clay "Saprolite", NW side of quarry	42.026351	-73.288161			1	Library Rock Collection, 1/1
2-4	Esa	2' above marble Red clay "Saprolite", From Allyndale Quarry, NW side of quarry, Samples 2-3 a,b from this clay	42.026188	-73.288432			1	Library Rock Collection, 1/1
2-1 b	Esa	Cambrian Stockbridge Marble Unit a, tremolite concentration, taken from blocks around quarry	42.013573	-73.315302	S. Quarrier		1	missing
2-1 a	Esa	Cambrian Stockbridge Marble Unit a, typical dolomite marble, taken from blocks around quarry.	42.013767	-73.315391	S. Quarrier			missing
16-4	Esc	Cambrian Dolomitic Marble Stockbridge Unit C, underlies a large area in the central part of the quad, may have calcite cement around dolomite grains, the cement weathering leaving a dolomite sand	41.932042	-73.443607			1	Library Rock Collection, 1/1
2 -5	Recent	Slag samples (a, b, and c) from dump-pile of old Iron Furnace, Beckley in E. Canaan.	42.009975	-73.293468			3	Library Rock Collection, 1/1
22-3	Quat.	Concretions and Bone, Concretions (2) out of varved clay (Pleistocene), Bone taken to Peabody	41.893929	-72.658682	Joe Dowhan	08/01/77	2	Library Rock Collection, 1/1

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
36-9-1 a	Quat.	Peat and clay samples with wood and mollusk shells from sewer excavation, strat 0-4' swamp deposits and disturbed soil, 4-5' peat with wood, sample given to Charles Dimmick, CCSU Dept of Physics and Earth Science, 827-7248	41.769754	-72.762444		05/01/80		Department of Physics & Earth Science, Central Connecticut State University
36-9-1 b	Quat.	Peat and clay samples with wood and mollusk shells from sewer excavation, strat 0-4' swamp deposits and disturbed soil, 5-7' grey organic clay with abundant mollusk shells, sample given to Charles Dimmick, CCSU Dept of Physics and Earth Science, 827-7248	41.769754	-72.762547		05/01/80		Department of Physics & Earth Science, Central Connecticut State University
36-9-1 c	Quat.	Peat and clay samples with wood and mollusk shells from sewer excavation, strat 0-4' swamp deposits and disturbed soil, 7-10' gray clay, sample given to Charles Dimmick, CCSU Dept of Physics and Earth Science, 827-7248	41.769883	-72.762513		05/01/80		Department of Physics & Earth Science, Central Connecticut State University
0-1	Es?	Inwood marble collected from OTC in Chappaqua, New York, E side of railroad just S of station in commuter parking lot; two samples.						Library Rock Collection, 1/8
0-2		Sheared sedimentary rock from San Andreas Fault, collected in Indio Hills, CA			S. Quarrier		1	Library Rock Collection, 1/1

Sample Number	Geologic Unit	Description	Latitude (Y)	Longitude (X)	Collection Staff	Date Collected	# Samples	Location, Cabinet #/ Drawer #
639	Mesozoic	Moderate reddish-gray, medium-grained sandstone with Grallator (negative) foot print. Wesleyan (?)						Library Rock Collection, 1/8
390	Mesozoic	Moderate reddish-gray, medium-grained sandstone with Grallator (negative) foot print. Wesleyan (?)						Library Rock Collection, 1/8
U-01	P?	Beryl crystal, 3"x4"						Library Rock Collection, 1/8
U-02	Mesozoic	Gray, fine- to medium-grained micaceous sandstone; well cemented (calcareous?) .			Woody			Library Rock Collection, 1/8
U-03	Mesozoic	Reddish-brown, medium-grained sandstone with thin curled locally disrupted dark red siltstone, possibly						Library Rock Collection, 1/8
1-30-E		Granitic gneiss.						Library Rock Collection, 1/8

Appendix 2. Connecticut Geological Formation Hand Sample Collection National Digital Catalog Data.

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	D?d, 25-1a, Geological Formation Educational Hand Sample Collection		Foliated quartz diorite, gabbro, exit ramp from eastbound I-84, exit 71 (Ruby Rd. Route 320) Willington	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.262031, 41.919663		2010	Surface
	D?d, 25-1b, Geological Formation Educational Hand Sample Collection		Foliated quartz diorite, quartz diorite with lavender garnet, exit ramp from eastbound I-84, exit 71 (Ruby Rd. Route 320) Willington	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.261907, 41.919699		2010	Surface
	D?d, 25-1c, Geological Formation Educational Hand Sample Collection		Foliated quartz diorite, quartz diorite with lavender garnet, exit ramp from eastbound I-84, exit 71 (Ruby Rd. Route 320) Willington	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.262031, 41.919663		2010	Surface
	D?d, 25-1d, Geological Formation Educational Hand Sample Collection		Foliated quartz diorite, quartz diorite with lavender garnet, exit ramp from eastbound I-84, exit 71 (Ruby Rd. Route 320) Willington	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.261932, 41.919607		2010	Surface
	Dbl, 54-3a, Geological Formation Educational Hand Sample Collection		Along Algonquin Pipeline SW of Diamond Lake in Glastonbury	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.483394, 41.688040		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Dbl, 54-4, Geological Formation Educational Hand Sample Collection		Garnet-staurolite schist. Blue-white blazed trail NW off Birch Mtn. Road. Trail has many loose garnets in soil.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.469319, 41.717580		2010	Surface
	Dc, 57-5-1, Geological Formation Educational Hand Sample Collection		Collected in bed of brook to the south of the road, somewhat more biotite rich than typical	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.062409, 41.686612		2010	Surface
	Dc, 57-6-1, Geological Formation Educational Hand Sample Collection		Canterbury Gneiss, Note muscovite and garnet?	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.017577, 41.683982		2010	Surface
	Dc, 84-3, Geological Formation Educational Hand Sample Collection		Sample taken in area of old quarry, S of Hadlyme Ferry within sheared zone of Honey Hill Fault; gray to black quartz-biotite-feldspar gneiss. Dc (?).	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.42565, 41.418566		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Dc, 84-7, Geological Formation Educational Hand Sample Collection		Biotite rich phase of Dc. In woods SW of Chester Elementary School, Ridge Rd, Chester	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.458005, 41.402414		2010	Surface
	Dc, 85-2, Geological Formation Educational Hand Sample Collection		Canterbury, From Rt 11, Hamburg Quad	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.298489, 41.480713		2010	Surface
	Dce, 42-2-1, Geological Formation Educational Hand Sample Collection		Eastford Gneiss phase of Canterbury Gneiss, collected N side at Rt. 44 near Frog Rock; well foliated qtz-biotite-plagioclase gneiss.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.051887, 41.868965		2010	Surface
	DI, 71-1, Geological Formation Educational Hand Sample Collection		From boulder in fence by road, seems to be representative of gabbro in this area	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.209970, 41.602325		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Dlp, 78-5a, Geological Formation Educational Hand Sample Collection		Lamprophyre dike, westbound entrance ramp at exit 16 of I-84; samples WR-1 to WR-6	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=i	-73.164090, 41.493600		2010	Surface
	Dlp, 78-5b, Geological Formation Educational Hand Sample Collection		Lamprophyre dike, westbound lane of I-84 just before merge with exit 16 on-ramp. Samples W-1 and W-2 Dlp; sample W-3 contact of Dlp and Ot6 (basal member of Taine Mountain Fm. Fault plane exposed in middle of dike. Dike orientation: 310°, 82°SW	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=i	-73.163930, 41.493380		2010	Surface
	Dng, 63-1, Geological Formation Educational Hand Sample Collection		From Rt 6-202 Watertown, N side of road 1000-15000' east of Woodbury town line; foliated muscovite granite and pegmatite.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=i	-73.151405, 41.598775		2010	Surface
	DSt, 35-5-1, Geological Formation Educational Hand Sample Collection		Straits Schist, collected on road cut for entrance of side road on W side of main rd (rte. 179).	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=i	-72.928566, 41.802984		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	DSt, 35-7-1, Geological Formation Educational Hand Sample Collection		Straits Schist, collected on N side of road (Rte. 4), Burlington	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.972802, 41.772889		2010	Surface
	DSt, 49-1a, Geological Formation Educational Hand Sample Collection		Thomaston Dam area, mica schists, typical of this area, samples collected from Railway cuts below the dam and to the E, major rock type is pegmatite, large muscovite books quartz & feldspar laths, within pegmatite are zenoliths of Muscovite schist	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.060555, 41.619306		2010	Surface
	DSt, 49-1b, Geological Formation Educational Hand Sample Collection		Thomaston Dam area, mica Schists, typical of this area, samples collected from Railway cuts below the dam and to the E, major rock type is pegmatite, above pegmatite is muscovite phyllite.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.060516, 41.689873		2010	Surface
	DSt, 49-1c, Geological Formation Educational Hand Sample Collection		Thomaston Dam area, mica Schists, typical of this area, samples collected from Railway cuts below the dam and to the E; major rock type is pegmatite, muscovite schist along road across dam, very crenulated.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.060048, 41.693640		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	DSts, 65-1, Geological Formation Educational Hand Sample Collection		Collected at Roaring Brook; see Horne et al, 1995, GSA Guidebook #7 Field Trip D stop #10, Great Unconformity.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.928704, 41.608062		2010	Surface
	DSw, 80-1, Geological Formation Educational Hand Sample Collection		Wepawaug Schist; v-fine grained, almost phyllite.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.973385, 41.389370		2010	Surface
	Jb, 69-1, Geological Formation Educational Hand Sample Collection		Higganum Dike Sample collected along old Railroad grade	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.471712, 41.571898		2010	Surface
	Jb, 83-2, Geological Formation Educational Hand Sample Collection		Higganum dike, Diabase, collected in core of dike at exit ramp on southbound Rt 9 to 81; two samples, one very coarsely crystalline (gabbro: is this a segregation sheet?)	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.557624, 41.470354		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Jeb, 52-2, Geological Formation Educational Hand Sample Collection		Arkose Sandstone with rip-up clasts Rt 72-9-91 Westbound Lane Rte. 72	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.695506, 41.625161		2010	Surface
	Jeb, 52-3, Geological Formation Educational Hand Sample Collection		Mudstone-Shale Rt 72-9-91 Westbound Lane Rte. 72	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.695891, 41.625305		2010	Surface
	Jeb, 52-4, Geological Formation Educational Hand Sample Collection		Dark Gray Shale (mudstone) Rte. 72-9-91 Westbound Lane 72	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.69557, 41.625353		2010	Surface
	Jeb, 52-6, Geological Formation Educational Hand Sample Collection		Shear Zone, NE end of Vexation Hill, South side of proposed (but not built)-291 E.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.694649, 41.670004		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Jeb, 78-1-1, Geological Formation Educational Hand Sample Collection		Gray shale with asphalt and oil like filling (still soft/gooeey: <i>i.e.</i> modern contaminant?) on open joints coating twinned carbonate crystals; from loose rock under bridge in bed of stream (White Oaks Fm.? Of Burton et al, 2005, NEIGC, field trip C3.)	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.243241, 41.469850		2010	Surface
	Jeb, 52-5a, Geological Formation Educational Hand Sample Collection		Track bearing layers from Dinosaur Park	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.656739, 41.652050		2010	Surface
	Jeb, 52-5b, Geological Formation Educational Hand Sample Collection		Miscellaneous Samples from Dinosaur Park; 7 samples including two from cored boring	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.656547, 41.652086		2010	Surface
	Jeb, 52-5c, Geological Formation Educational Hand Sample Collection		Track bearing layers from Dinosaur Park	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.656739, 41.652195		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Jeb, 52-0-a, b, c, d, e, Geological Formation Educational Hand Sample Collection		Miscellaneous Samples from Rte. 91-72-9 road cut; a. Reddish-gray m-gr x-bedded arkosic ss; b. Gray mudstone; c-m-gr reddish-gray arkosic andstone with rip-up clasts; d. Interbedded gray mudcracked mudstone and gray siltstone; e. reddish-brown mudstone	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-72.695214, 41.625154		2010	Surface
	Jeb/Jha, 51-1-1, Geological Formation Educational Hand Sample Collection		Sample from fault zone N45E45NW strike 60 SW, suspect normal movement zone several inches to more than one foot crushed rock	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-72.763897, 41.716637		2010	Surface
	Jeb/Jha, 51-1-2, Geological Formation Educational Hand Sample Collection		Sample from small fault to the south of 51-1-1, fault N40E vertical striae, suspect NW side up about 10 feet apparent movement; calcite and pyrobitumen line fault surface.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-72.764088, 41.716279		2010	Surface
	Jha, 52-1, Geological Formation Educational Hand Sample Collection		Hampden Basalt, Rte. 9-91-72 Westbound Lane along 72	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-72.694352, 41.625208		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Jha, 63-2, Geological Formation Educational Hand Sample Collection		Vesicular basalt with copper and sulfide mineralization, from apparent mine tunnel in basalt cliff along South Brook, accessible from trail starting just north of golf driving range; South Brook Basalt of Burton, et al, 2005, NEIGC Guidebook for Fieldtrips in CT, p.251-294.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-73.196857, 41.523473		2010	Surface
	Jho, 52-8, Geological Formation Educational Hand Sample Collection		"Asphalt" material (modern?) in basalt on N side of proposed I-291 entrance ramp to 91 N.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=i	-72.664782, 41.669654		2010	Surface
	Jho, 67-2, Geological Formation Educational Hand Sample Collection		Columnar Basalt, Collected S side of Rt 66 eastbound just after Black Pond	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=i	-72.738772, 41.530285		2010	Surface
	Jho, 96-1, Geological Formation Educational Hand Sample Collection		96-1a and b. Segregation veins of coarser rock within the finer-grained basalt from the Tilcon Co. North Branford Quarry	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=i	-72.787317, 41.359366		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Jp, 38-1, Geological Formation Educational Hand Sample Collection		Portland Arkose, fanglomerate from the Wolcott Quarry, Manchester	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.554130, 41.805307		2010	Surface
	Jp, 67-1, Geological Formation Educational Hand Sample Collection		Collected on waste piles to the N of Portland Brownstone Quarries	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.641811, 41.583950		2010	Surface
	Jp, 67-3, Geological Formation Educational Hand Sample Collection		Portland Arkose, From N side of road to Crystal Lake launching ramp, medium to coarse conglomerate, some sand and siltstone bands, 0-40 degrees E	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.637166, 41.512972		2010	Surface
	Jp, 82-3, Geological Formation Educational Hand Sample Collection		Fanglomerate contains basalt clast, collected just S of Durham Center on E side of highway 77, S of intersection with highway 79; unusually fresh (unweathered) basalt clast.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.67928, 41.461717		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Jp, 67-4, Geological Formation Educational Hand Sample Collection		Black shale/siltstone with part of a fish fossil. Loc. ~1000' S of Laurel Brook Reservoir; 243900N, 618700E; long/lat approx. from Google-earth	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.681975, 41.503117		2010	Surface
	Jsm, 52-7, Geological Formation Educational Hand Sample Collection		Behind Rizzo's swimpool about 300,000N 608,500E, Loose in piles, specific source not known for sure; Red-brown siltstone; 2 samples each with <i>Grallator</i> positive underprint.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.718775, 41.657214		2010	Surface
	Jsm, 82-1, Geological Formation Educational Hand Sample Collection		Coe's Quarry limestone; 6 samples	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.730905, 41.423807		2010	Surface
	Jsm, 51-1, Geological Formation Educational Hand Sample Collection		Limestone, micritic, Shuttle Meadow Fm; see SEPM 1978 field trip stop #6	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.833854, 41.671951		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Jta, 22-2, Geological Formation Educational Hand Sample Collection		Breccia and other material collected at Higley Mine; See Gray, 1982, NEIGC Guidebook, p.195ff.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.748878, 41.938363		2010	Surface
	Jta, 96-2c, Geological Formation Educational Hand Sample Collection		Talcott Basalt breccia, just above contact with New Haven Arkose, Cinque Quarry, East Haven, E of Lake Saltonstall between Laurel St and North High St	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.863229, 41.298547		2010	Surface
	Jta, 96-2d, Geological Formation Educational Hand Sample Collection		Talcott Basalt breccia, just above contact with New Haven Arkose, Cinque Quarry, East Haven, E of Lake Saltonstall between Laurel St and North High St	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.863297, 41.298445		2010	Surface
	Jta, 96-2e, Geological Formation Educational Hand Sample Collection		Glassy amygdaloidal basalt; vugs (amygdales) filled with minerals (quartz and agate), Cinque Quarry, East Haven, E of Lake Saltonstall between Laurel St and North High St	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.863094, 41.298547		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Jta/TRnh, 66-1, Geological Formation Educational Hand Sample Collection		Base of Talcott Basalt. Pillow formations behind Target Store off Rte 691 (exit 5). Secondary minerals in basalt vesicles. Contact of Talcott with TRnh top.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.8, 41.55		2010	Surface
	Jwr, 95-1, Geological Formation Educational Hand Sample Collection		Collected at S end of West Rock just above baseball field at Gustave X. Amrhn Field	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.960712, 41.331796		2010	Surface
	Ob, 77-2, Geological Formation Educational Hand Sample Collection		Newtown Gneiss, massive porphyroblastic phase	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.329565, 41.382017		2010	Surface
	Ob, 92-3-1, Geological Formation Educational Hand Sample Collection		Young Granite sheared in broad fault zone, nearly horizontal movement, nearby good ultramylonite	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.269442, 41.373333		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ob, 92-3-2, Geological Formation Educational Hand Sample Collection		Rock exposures in sand pit	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.269443, 41.373466		2010	Surface
	Obr, 70-1, Geological Formation Educational Hand Sample Collection		Brimfield Schist	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.299898, 41.501109		2010	Surface
	Obr, 99-5-3, Geological Formation Educational Hand Sample Collection		Quartzite and conglomerate from W side of Rt 153, Essex, see S. Quarrier field notes 8/77; 2 samples.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.435302, 41.312257		2010	Surface
	Obr, 99-5-6, Geological Formation Educational Hand Sample Collection		Conglomerate and quartzite from W of Pequot Swamp; pebbles of sillimanite-bearing quartzite.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.422448, 41.318070		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Obr, 99-6-4, Geological Formation Educational Hand Sample Collection		Amphibolite in Brimfield, 99-6-4F Felsic Gneiss which appears to intrude amphibole, see S. Quarrier field notes 8/77	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.408510, 41.313301		2010	Surface
	Obr, 99-8, Geological Formation Educational Hand Sample Collection		Rust-stained biotite-orthoclase-sillimanite-garnet schist, collected behind Westbrook Factory Stores just S of rest area on I-95 in Westbrook	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.430003, 41.289876		2010	Surface
	Obr, 25-2, Geological Formation Educational Hand Sample Collection		Brimfield Schist, Collected along I-84 off exit 70 (Route 32) S side of I-84 just past end of eastbound onramp	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.284468, 41.901342		2010	Surface
	Obr, 26-1, Geological Formation Educational Hand Sample Collection		Brimfield Schist, from valley north of unnamed brook north of Kinney Pond along Kinney Hollow Road in Union	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.149352, 41.981712		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Obr, 26-5a, Geological Formation Educational Hand Sample Collection		Brimfield Schist with orange garnets, S side I-84, 2 miles E of Ruby Road, exit 71, Route 320 before Potter School Rd overpass	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.233676, 41.935449		2010	Surface
	Obr, 26-5b, Geological Formation Educational Hand Sample Collection		Plagioclase quartz k-feldspar, biotite garnet foliated pegmatite, pink garnets, S side I-84, 2 miles E of Ruby Road, exit 71, Route 320 before Potter School Rd overpass	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.233677, 41.935369		2010	Surface
	Obr, 26-5c, Geological Formation Educational Hand Sample Collection		Plagioclase quartz k-feldspar, biotite garnet foliated pegmatite, pink garnets, S side I-84, 2 miles E of Ruby Road, exit 71, Route 320 before Potter School Rd overpass	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.233596, 41.935408		2010	Surface
	Obrg, 11-2b, Geological Formation Educational Hand Sample Collection		Gneiss (metavolcanic) member of Brimfield Schist, two pyroxene granulite and orthopyroxen, k-feldspar granulite, Roadcut along exit ramp from Exit 74, I-84 westbound and Route 171, Union	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.141068, 42.028137		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Obrg, 26-4, Geological Formation Educational Hand Sample Collection		Gneiss (metavolcanic) member of Brimfield Schist, collected 1.1 miles along Webster Rd. from Toute 190, Union	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.21064, 41.980424		2010	Surface
	Obrg, 11-1a-e, Geological Formation Educational Hand Sample Collection		Gneiss (metavolcanic) member of Brimfield Schist, mafic gneiss from abandoned rest area in woods north of entrance ramp to westbound I-84, exit 74 (Route 171) in Union	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.146887, 42.023517		2010	Surface
	Obrg, 11-2a, Geological Formation Educational Hand Sample Collection		Gneiss (metavolcanic) member of Brimfield Schist, two pyroxene granulite, Roadcut along exit ramp from Exit 74, I-84 westbound and Route 171, Union	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.141182, 42.028353		2010	Surface
	Obrg, 26-2, Geological Formation Educational Hand Sample Collection		Gneiss (metavolcanic) member of Brimfield Schist, collected along Route 89 between exit 72 of I-84 and Route 190 in Union	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.198646, 41.963424		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Oc, 49-2, Geological Formation Educational Hand Sample Collection		Aplite Dike in Reynolds Bridge Gneiss; med-cse grained	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.078065, 41.654930		2010	Surface
	Oc, 78-4, Geological Formation Educational Hand Sample Collection		Collected at Southford Falls State Park near stream along trail	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.163628, 41.455155		2010	Surface
	Och, 68-3, Geological Formation Educational Hand Sample Collection		Two samples, mica and quartz feldspar and tourmaline from debris on roadway at Strickland Quarry	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.59191, 41.592505		2010	Surface
	Och, 68-4, Geological Formation Educational Hand Sample Collection		Two colored feldspar samples from old pegmatite quarry, Meshomasic State Forest near Cobalt	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.552625, 41.574047		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Och, 68-5, Geological Formation Educational Hand Sample Collection		Vein quartz and galena from former silver mine, Middletown	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.611999, 41.559554		2010	Surface
	Och, 68-6, Geological Formation Educational Hand Sample Collection		Vein quartz and galena from former silver mine, Middletown	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.611966, 41.559454		2010	Surface
	Och, 68-7a, Geological Formation Educational Hand Sample Collection		Vein contains quartz, bornite, sphalerite from former silver mine, Middletown	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.611866, 41.559504		2010	Surface
	Och, 68-8, Geological Formation Educational Hand Sample Collection		Feldspar with some muscovite from Rock Landing Quarry, East Hampton	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.522261, 41.508231		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Och, 68-9, Geological Formation Educational Hand Sample Collection		Piece of smokey quartz, blackness of quartz is due to radiation burns; from Rock Landing Quarry, East Hampton	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.522261, 41.508231		2010	Surface
	Och, 68-10, Geological Formation Educational Hand Sample Collection		Smokey quartz with Uranium minerals from Rock Landing Quarry, East Hampton. Two samples.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.522261, 41.508231		2010	Surface
	Och, 68-13, Geological Formation Educational Hand Sample Collection		Pegmatite with large tourmaline crystal from Halberg Quarry, East Hampton	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.531037, 41.518924		2010	Surface
	Och, 68-15, Geological Formation Educational Hand Sample Collection		Collected on Chamberlain Hill Rd in Haddam, just below Middletown border, 0.2 miles E of Roberts Rd	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.620347, 41.500719		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Och, 83-4, Geological Formation Educational Hand Sample Collection		Collins Hill Formation, Plagioclase Quartz Biotite (Hornblend?) Garnet Gneiss, E side of northbound lane of Rt 9, almost coticule-like	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.519250, 41.445722		2010	Surface
	Och, 83-5, Geological Formation Educational Hand Sample Collection		Collins Hill Formation, Muscovite? schist with abundant sulphides, weather rapidly to yellow rusty color, Rt 9 N, E side	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.520052, 41.446937		2010	Surface
	Och, 68-14, Geological Formation Educational Hand Sample Collection		Samples a and b: Collected along power line just N of Middle Haddam Rd in Portland; foliated granite (biotite-quartz-feldspar gneiss).	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.578451, 41.565363		2010	Surface
	Ochv, 82-2, Geological Formation Educational Hand Sample Collection		Coticule Metavolcanic Rocks of Bible Brook, Eaton and Rosenfeld 1972, opposite side of road from Millers Pond; 2 pieces fit together	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.628671, 41.482419		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ochv, 83-9, Geological Formation Educational Hand Sample Collection		Coticule Metavolcanic Rocks of Bible Brook, Eaton and Rosenfeld 1972, Under power lines	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.624215, 41.485592		2010	Surface
	Ochv, 68-17, Geological Formation Educational Hand Sample Collection		Metavolcanic member of Collins Hill Formation, amphibolite and chloritic, hornblende schist, collected from White Rocks Quarry, River Rd, Middletown	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.597661, 41.556041		2010	Surface
	Og, 46-6, Geological Formation Educational Hand Sample Collection		Ordovician Granite, Candlewood Lake Pluton, from R. Jackson 1982 NEIGC field trip stop #4	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.441125, 41.673946		2010	Surface
	Og, 62-4, Geological Formation Educational Hand Sample Collection		Mine Hill Granite Gneiss from blocks in the Rockside Quarry, see Dale 1911 USGS Bull 484, Muscovite Granite Gneiss, See also 62-6.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.337193, 41.570725		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Og, 62-5, Geological Formation Educational Hand Sample Collection		Mine Hill Granite Gneiss from operating quarry on Roxbury Landtrust land, noticeable amounts of biotite; 3 samples	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.338564, 41.563456		2010	Surface
	Og, 62-5a, Geological Formation Educational Hand Sample Collection		Includes white colored band of aplite, does not split	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.338344, 41.563581		2010	Surface
	Og, 62-7, Geological Formation Educational Hand Sample Collection		Sample from 1-2' wide vein along north wall of quarry, siderite, etc presumeably in part of the vein network forming iron deposit, see also 62-4	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.337209, 41.570517		2010	Surface
	Og, 92-4-1, Geological Formation Educational Hand Sample Collection		Collected from Huntington State Park, site of large tourmaline	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.353152, 41.355592		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Og, 92-5, Geological Formation Educational Hand Sample Collection		Coarsely crystalline Ordovician granite from Huntington State Park, intersection of blue and red trails	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.345537, 41.339215		2010	Surface
	Og, 92-6, Geological Formation Educational Hand Sample Collection		Biotite Schist with garnets from Huntington State Park along red trail near swamp	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.348608, 41.343162		2010	Surface
	Og, 39-2, Geological Formation Educational Hand Sample Collection		Glastonbury Gneiss-pegmatite phase, collected during 2003 NEIGC trip between I-384 and eastbound entrance ramp from Wyllys St in Manchester (Highland Park)	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.487348, 41.768161		2010	Surface
	Ogl, 53-1, Geological Formation Educational Hand Sample Collection		Collected along Algonquin Gas Pipeline trench	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.577687, 41.626231		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ogl, 53-2, Geological Formation Educational Hand Sample Collection		Glastonbury Gneiss and aplite dike, Collected along Algonquin Gas Pipeline trench	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.577630, 41.626400		2010	Surface
	Ogl, 53-3, Geological Formation Educational Hand Sample Collection		Aplite Dike in Glastonbury Gneiss, Collected along Algonquin Gas Pipeline trench	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.577405, 41.626272		2010	Surface
	Ogl, 53-4, Geological Formation Educational Hand Sample Collection		Pegmatite in Glastonbury Gneiss, Collected along Algonquin Gas Pipeline trench	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.577687, 41.626231		2010	Surface
	Ogl, 68-12, Geological Formation Educational Hand Sample Collection		Collected from Case Quarry, Portland	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.579649, 41.624309		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ogl, 54-1a, Geological Formation Educational Hand Sample Collection		Glastonbury Gneiss with xenolith (enclave), Cliff Ambers at Indiana University working on this outcrop; see Wintsch et al, 1995 (NE section-GSA Guidebook for Fieldtrips) Trip A stop 10.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.491335, 41.703911		2010	Surface
	Ogl, 54-1b, Geological Formation Educational Hand Sample Collection		Several photos of this, large exposed area of polished and straited surface, glacial striae	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.491415, 41.704031		2010	Surface
	Ogl, 54-2a, Geological Formation Educational Hand Sample Collection		Glastonbury gneiss from large boulder that was split as part of local quarrying, may have come from some distance north	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.490069, 41.742857		2010	Surface
	Ogl, 54-2b, Geological Formation Educational Hand Sample Collection		Glastonbury gneiss collected from old curbstone? quarry	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.490338, 41.742857		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ohb, 109-1, Geological Formation Educational Hand Sample Collection		Collected in Beardsley Park, Bridgeport	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.180265, 41.214415		2010	Surface
	Oma, 110-1a, Geological Formation Educational Hand Sample Collection		Greenstone, collected along road into Silver Sands State Park	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.075963, 41.205456		2010	Surface
	Oma, 110-1b, Geological Formation Educational Hand Sample Collection		Schist, collected along road into Silver Sands State Park	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.075778, 41.205492		2010	Surface
	Oml, 68-1, Geological Formation Educational Hand Sample Collection		Pegmatite from Pegmatite sill in bottom of Middletown Formation, W side of Rt 9 southbound lane just past power lines	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.585131, 41.504599		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Oml, 83-3, Geological Formation Educational Hand Sample Collection		Amphibolite/Hornblende Gneiss, massive amphibolite E side, southbound lane Rt. 9, S end of large amphibolite, just S of Beaver Meadow Rd	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.529625, 41.457532		2010	Surface
	Oml, 83-10, Geological Formation Educational Hand Sample Collection		Middletown Formation, Haddam Map Om if microcline bearing gneiss, Light gneiss S of Hackney Pond, W side of the swamp, S of road	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.546552, 41.427212		2010	Surface
	Oml, 83-11, Geological Formation Educational Hand Sample Collection		Anthophyllite-bearing gneiss, Hubbard Rd just N of Beaver Meadow Rd off Exit 8 of Rt 2, Haddam; 4 samples.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.528013, 41.458845		2010	Surface
	Ommm 24-1, Geological Formation Educational Hand Sample Collection		Soapstone, SE side of Soapstone Mountain, ultra mafic and altered soapstone-like rock; samples 1, 1a, 1b, and 1c.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.413744, 41.956967		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Omo, 83-1, Geological Formation Educational Hand Sample Collection		Collected E side of southbound lane Rt 9	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.560535, 41.478497		2010	Surface
	Omo, 83-7, Geological Formation Educational Hand Sample Collection		Monson Gneiss, Haddam Gneiss, N side Rt 148, N of Murry Ponds, cloudy quartz in joints in this area, tan gneiss is typical of the area	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.537326, 41.390417		2010	Surface
	Omo, 83-8, Geological Formation Educational Hand Sample Collection		N80E,10N, E side road, typical Haddam Gneiss; two samples	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.605640, 41.396846		2010	Surface
	Omo, 84-6, Geological Formation Educational Hand Sample Collection		From small Farm Lot Quarry, S. Quarrier Field Notes 87-1-2	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.498565, 41.491258		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Omo, 97-5, Geological Formation Educational Hand Sample Collection		Monson Gneiss, massive to well layered biotite gneiss, layering 1 cm to 1 m, some interlayered amphibolite, sample shows moderately well-layered rock, foliation well-developed on biotite mica layers	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.643252, 41.360031		2010	Surface
	Omo, 98-1, Geological Formation Educational Hand Sample Collection		Chatfield Hollow State Park, W side of trail around Indian Caves	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.585144, 41.365751		2010	Surface
	Omo, 99-5-1, Geological Formation Educational Hand Sample Collection		Monson Gneiss, masive hornblende gneiss from E side of Rt 153, Essex Quadrangle, see S. Quarrier field notes 8/77	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.433043, 41.316635		2010	Surface
	Omo, 99-5-2, Geological Formation Educational Hand Sample Collection		Rusty weathering Monson Gneiss, biotite, hornblende and sulfide; from W side of Rt 153, Essex, see S. Quarrier field notes 8/77	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.435532, 41.315584		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Omu, 83-6, Geological Formation Educational Hand Sample Collection		Middletown Formation, Quartz Plagioclase (Gedrite-Anthophyllite) Gneiss, Rt 9 northbound entrance ramp E side, Beaver Meadow Rd; possibly Oml (?)	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/d	-72.528122, 41.457522		2010	Surface
	Oo, 111-1, Geological Formation Educational Hand Sample Collection		Collected from Merwin Point, Woodmont	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=i	-72.992473, 41.223143		2010	Surface
	Op, 88-1, Geological Formation Educational Hand Sample Collection		From N side of Rt 2	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=i	-71.951340, 41.470913		2010	Surface
	Oq, 14-2, Geological Formation Educational Hand Sample Collection		Quinebaug Formation, mylonite from gravel pit along Webster Rd. opposite end of Wilsonville Rd. Housing development beginning there in 2000	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=i	-71.843301, 42.009718		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Oq, 58-1, Geological Formation Educational Hand Sample Collection		Gneiss from near the village of Wauregan, TILCON Wauregan Quarry	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-71.889379, 41.749985		2010	Surface
	Or, 34-7-3, Geological Formation Educational Hand Sample Collection		Ratlum Mountain Schist, Hartland I, N side of highway just before Rt. 8, gneiss; <i>Sample #4 CT Rock Set.</i>	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.114373, 41.762907		2010	Surface
	Or, 34-7-3a, Geological Formation Educational Hand Sample Collection		Ratlum Mountain Schist, Hartland I, N side of highway just before Rt. 8, amphibolite schist and garnet bearing amphibolite.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.114314, 762820		2010	Surface
	Or, 34-8-1, Geological Formation Educational Hand Sample Collection		Ratlum Mountain Schist, Hartland III, from Harwinton; med-grained quartz-brown micaschist w/ minor garnet, trace amphibole	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.060442, 41.771351		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Or, 34-8-2, Geological Formation Educational Hand Sample Collection		Ratlum Mountain Schist, Hartland III, S. side of road (Rte. 118) just NE of Kelly Pond, Harwinton; fine-grained quartz-mica schist w/ trace garnet	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.078272, 41.768539		2010	Surface
	Or, 62-2, Geological Formation Educational Hand Sample Collection		Micaceous quartzite/schist, Hartland formation	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.292479, 41.547986		2010	Surface
	Or, 62-6, Geological Formation Educational Hand Sample Collection		Siderite collected from debris piles around the base of the Furnaces at the Roxbury Iron Mines; 3 samples	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.333938, 41.559039		2010	Surface
	Or, 76-8-1, Geological Formation Educational Hand Sample Collection		Mylonite sample in granite behind Auto sales place	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.417192, 41.408516		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Or, 76-9-2, Geological Formation Educational Hand Sample Collection		Sheared Hartland? from E side of stream just above Cameron's Line	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.389609, 41.383501		2010	Surface
	Ot, 78-3, Geological Formation Educational Hand Sample Collection		Collected at Southford Falls State Park, SE side of Papermill Pond on ridge	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.161046, 41.457443		2010	Surface
	Ota, 87-1a, Geological Formation Educational Hand Sample Collection		Blastomylonite at south end of otc (see 87-1)	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.084258, 41.497623		2010	Surface
	Ota, 87-1b, Geological Formation Educational Hand Sample Collection		Piece of boulder on hill above Trading Cove Road. Note eroding of quartz+etc RE strong lineation on surface. (see 87-1)	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.084258, 41.497623		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ota, 14-1a, Geological Formation Educational Hand Sample Collection		Tatnic Hill Formation, Quartzite from intersection I-395 and Wilsonville Rd; white v.-f.-grained foliated rock: quartzite?, marble?	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-71.856031, 42.008332		2010	Surface
	Ota, 14-1b, Geological Formation Educational Hand Sample Collection		Tatnic Hill Formation, Gneiss from intersection I-395 and Wilsonville Rd; mylonite (?) with porphyroblasts of feldspar.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-71.856083, 42.008294		2010	Surface
	Ota, 14-1c, Geological Formation Educational Hand Sample Collection		Tatnic Hill Formation, Biotite-rich gneiss from intersection I-395 and Wilsonville Rd; gray to black quartz-biotite (?) gneiss with pyroxene(?)	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-71.856281, 42.008309		2010	Surface
	Ota, 28-1, Geological Formation Educational Hand Sample Collection		Tatnic Hill Formation, garnet bearing amphibolite(?) with porphyroblasts of feldspar. On-ramp for I-395-S at exit 98 from Route 12 in Thompson	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-71.881754, 41.952731		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ota, 72-1, Geological Formation Educational Hand Sample Collection		Rusty and garnetiferous	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.017366, 41.590971		2010	Surface
	Ota, 73-1, Geological Formation Educational Hand Sample Collection		Bottom of Tatnic Hill	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-71.995442, 41.589892		2010	Surface
	Ota, 84-4, Geological Formation Educational Hand Sample Collection		Putnam Gneiss, N side of Whale Bone Creek, taken from rock about 50' above river, within sheared zone of Honey Hill Fault	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.425732, 41.418302		2010	Surface
	Ota, 87-1, Geological Formation Educational Hand Sample Collection		Mylonite and ultramylonite just N of Trading Cove, typical of sheared rock in Honey Hill Fault Zone. Section along railroad leads to sheared zone and mylonite of Honey Hill Fault. Note eroding of quartz	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.084258, 41.497623		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ota, 99-6-2, Geological Formation Educational Hand Sample Collection		Putnam Gneiss, quartz-biotite-plagioclase gneiss, see S. Quarrier field notes 8/77	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.399342, 41.300498		2010	Surface
	Ota, 72-2, Geological Formation Educational Hand Sample Collection		Typical section of biot-gneiss lithology, good exposure	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.036228, 41.586692		2010	Surface
	Ota, 72-3, Geological Formation Educational Hand Sample Collection		Exposure of what is mapped as the schist phase of the Tatonic Hill	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.049465, 41.584302		2010	Surface
	Otaf, 71-3, Geological Formation Educational Hand Sample Collection		Samples a-d. 0.2 miles from Honey Hill Fault along South Rd at powerline in Bozrah; a and b: coarsely crystalline dolomite, c: finely crystalline white marble?	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.179371, 41.516759		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Otaf, 72-4, Geological Formation Educational Hand Sample Collection		Follow road cut to the S beyond entrance for Exit 27N, some calc silicate under pegs on west side, nice water polished rocks	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.118158, 41.554750		2010	Surface
	Otay, 71-5, Geological Formation Educational Hand Sample Collection		Mylonite (?) Collected from intersection of South and Bishop Rds, Bozrah	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.165246, 41.513437		2010	Surface
	Otb, 78-5c, Geological Formation Educational Hand Sample Collection		Gray layered biotite gneiss	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.164000, 41.493610		2010	Surface
	Ow, 16-1, Geological Formation Educational Hand Sample Collection		Walloomsac Schist, from roadcut on S side of road, characterized by medium to fine grained, graphitic-quartz-biotite schist	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.409288, 41.994895		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ow, 16-2, Geological Formation Educational Hand Sample Collection		Walloomsac garnet staurolite schist, Owgs on Gates Map, sample was taken from float (Gates oral communication) but is typical of this rock type, part of red color may be due to sample being used as part of camp fire, ridge to west has good exposures of Ose	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-73.431283, 41.993275		2010	Surface
	Ow, 16-6, Geological Formation Educational Hand Sample Collection		Ore Hill Iron Mine, "Iron Ore" limonite/goethite, Salisbury. (Note: part of iron deposit occurs as a grus.)	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-73.471885, 41.957490		2010	Surface
	Ow, 16-7, Geological Formation Educational Hand Sample Collection		Ore Hill Iron Mine, "Iron Ore" hematite and pyrolucite, Salisbury. (Note: part of iron deposit occurs as a grus.)	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-73.471794, 41.957422		2010	Surface
	Ow, 16-8, Geological Formation Educational Hand Sample Collection		Ore Hill Iron Mine, "Iron Ore" hematite, Salisbury. (Note: part of iron deposit occurs as a grus.)	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-73.471945, 41.957376		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ow, 45-1, Geological Formation Educational Hand Sample Collection		Walloomsac Schist from Bulls Bridge, stop #2 on R. Jackson 1982 NEIGC trip, may be similar to Owm, calcite marble with very little dolomite	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.511118, 41.676080		2010	Surface
	OEr , 34-7-1, Geological Formation Educational Hand Sample Collection		Rowe Schist, Hartland II	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.086962, 41.767545		2010	Surface
	OEr, 62-1, Geological Formation Educational Hand Sample Collection		Kyanite Gneiss, south of Berry Rd, Roxbury, sample has 1-2" kyanite blades, site has 6-8" specimens; this is Gates best location; probably should be identified as a prime mineral locality	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a	-73.329218, 41.508115		2010	Surface
	OEr, 62-3, Geological Formation Educational Hand Sample Collection		Mica schist with garnet porphyroblasts, Hartland formation	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.303867, 41.539159		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	OEr, 34-7-2, Geological Formation Educational Hand Sample Collection		Rowe Schist, Hartland II, W side of Rt. 8	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.116931, 41.755349		2010	Surface
	OEr, 62-1a, Geological Formation Educational Hand Sample Collection		Sample from Log Jam Schist	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.331764, 41.508130		2010	Surface
	OEs, 76-1, Geological Formation Educational Hand Sample Collection		Inwood marble from Brookfield, Lime Kiln Brook area S of Mountain Rd in outcrops in sand pit; three samples (76-1, 76-1a, and 76-1b); 1b is white medium-grained crystalline marble.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.417339, 41.483938		2010	Surface
	OEs, 76-9-1, Geological Formation Educational Hand Sample Collection		Inwood? Marble from W side of stream just below Cameron's Line; v-finely crystalline gray marble	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.390445, 41.382995		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Pp, 93-3, Geological Formation Educational Hand Sample Collection		Unfoliated dike/sill of gray porphyritic dacite/rhyolite. Contact with Och exposed S. of apt complex; see Crowley 1968, QR-24. more info on card	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.231950, 41.280600		2010	Surface
	Ppa, 93-2, Geological Formation Educational Hand Sample Collection		Adamellite; see map with paper folder. 4 samples. Sample 1: west side of Old Dike Rd. , 2-4 in park (see card for georef. sample locations).	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.1788893, 41.260500		2010	Surface
	Ps, 78-2, Geological Formation Educational Hand Sample Collection		From W side of road just below falls at Southford State Park	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.167671, 41.458103		2010	Surface
	Ps, 78-2a, Geological Formation Educational Hand Sample Collection		From W side of road just below falls at Southford State Park, shows rounded pegmatite (eroded) and oxidized xenolith	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.167757, 41.457972		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Sbc, 39-1, Geological Formation Educational Hand Sample Collection		Clough Quartzite, from stone quarry at NW end of Box Hill, Vernon, Northerly striking, E dipping	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.458262, 41.809282		2010	Surface
	Sbc, 68-2a, Geological Formation Educational Hand Sample Collection		Arsenopyrite in quartz from near Cobalt	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.550116, 41.577383		2010	Surface
	Sbc, 68-2b, Geological Formation Educational Hand Sample Collection		Arsenopyrite in quartz from Meshomasic State Forest near Cobalt	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.550427, 41.577383		2010	Surface
	68-2-40, Geological Formation Educational Hand Sample Collection		Arsenopyrite and quartz, near adit of the "Old Cobalt Mines" (see Chomiak et al., 1986, NEGSA on occurrence of native gold). Gadpouch Road. Location from GoogleEarth (approx).	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a	-72.550072, 41.577786		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	SOBu, 26-3, Geological Formation Educational Hand Sample Collection		Upper member of Bigelow Brook Formation, Lavender garnets, glaucophane, quartz, biotite, sillimanite? schist, N side Route 171 just W of Bigelow Pond, Bigelow State Park, Union	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.133556, 41.991911		2010	Surface
	SOH, 42-5-1, Geological Formation Educational Hand Sample Collection		Hebron Gneiss, metasiltstone, Hebron (Oakdale) well layered sample collected from knob behind house, well developed chevron folds in outcrop, fold axis N50-60E, plunge gentle N and S, W over E couple, Amplitude 1-2'	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.061771, 41.819026		2010	Surface
	SOH, 57-6-2, Geological Formation Educational Hand Sample Collection		Meta siltstone/Hornfels? Mapped as hCS on GQ 392, Collected just W of pond, low outcrops Canterbury is just to the W of the outcrop, inclusions of this rock and a very fine grained biotite schist are found in Canterbury. This rock is quite massive with no apparent bedding or layering, does not show obvious sedimentary bedding of Oakdale/Hebron in the W of the Quad, strike of rock trends as shown on map, NE dip is uncertain because of lack of layering	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.015815, 41.685041		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	SOh, 71-2, Geological Formation Educational Hand Sample Collection		Metasiltstone Hebron, like Oakdale (Pease); 2 samples in different drawers.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.18985, 41.612032		2010	Surface
	SOh, 71-4, Geological Formation Educational Hand Sample Collection		Typical Hebron Gneiss. Many boudins in outcrop (71-4b. Is part of a boudin), from Rt 2, 0.5 miles E of Exit 22, long cut in Bozrah	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.195835, 41.570211		2010	Surface
	SOh, 84-1a, Geological Formation Educational Hand Sample Collection		Biotite Gneiss and schist, E side of northbound entrance ramp intersection of Rt 9 and 148	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.472777, 41.402837		2010	Surface
	SOh, 84-1b, Geological Formation Educational Hand Sample Collection		Biotite gneiss and schist, E side of northbound entrance ramp intersection of Rt 9 and 148	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.472778, 41.402728		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	SOh, 84-1c, Geological Formation Educational Hand Sample Collection		Biotite gneiss and schist, E side of northbound entrance ramp intersection of Rt 9 and 148	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.472633, 41.402809		2010	Surface
	SOh, 84-5, Geological Formation Educational Hand Sample Collection		Gillette Castle area, partway down the slope facing ferry, note dark mylonite layer	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.428683, 41.421478		2010	Surface
	SOh, 99-6-1, Geological Formation Educational Hand Sample Collection		Hebron Fm., biotite schist and gneiss; N 60-80E 80N, see S. Quarrier field notes 8/77, also sample of calc- silicate gneiss	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.382774, 41.299191		2010	Surface
	SOh, 99-7, Geological Formation Educational Hand Sample Collection		Sulfur rich layer in Hebron Gneiss, from Kelsey Hill Rd near Rt 9 overpass, Deep River	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.431712, 41.368138		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Stb, 93-1, Geological Formation Educational Hand Sample Collection		Marble in lower Straits Schist, taken on SW side of Mine Hill	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.226621, 41.289856		2010	Surface
	TRnh, 22-1, Geological Formation Educational Hand Sample Collection		Cut sample from Newgate Prison; mottled copper ore (bornite/calchopyrite and malachite) in arkose sandstone host; see Gray, 1982, NEIGC Guidebook, p.195ff. Location likely from base of stairs into mine.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.749158, 41.961398		2010	Surface
	TRnh, 77-1, Geological Formation Educational Hand Sample Collection		Petrified Wood reportedly from Pomperaug Triassic; three samples, large one on top of Cab. #1	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.251654, 41.463797		2010	Surface
	TRnh, 96-2a, Geological Formation Educational Hand Sample Collection		Conglomerate containing angular clasts of weathered vesicular basalt. From just below contact with Talcott Basalt, Cinque Quarry, East Haven, E of Lake Saltonstall between Laurel St and North High St	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.863331, 41.298777		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	TRnh, 96-2b, Geological Formation Educational Hand Sample Collection		Very fine-grained sandstone contains carbonized wood fossils, from just below contact with Talcott Basalt, Cinque Quarry, East Haven, E of Lake Saltonstall between Laural St and North High St	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.863433, 41.298751		2010	Surface
	u, 99-2-1, Geological Formation Educational Hand Sample Collection		Composed of equant dark gray pyroxene(?) grains. Ultramafic body shown on quad. report.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.442428, 41.361814		2010	Surface
	Yg, 105-1-1, Geological Formation Educational Hand Sample Collection		Aplite Dike in Fordham Gneiss; Mt. Kisco, NY	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.728908, 41.210457		2010	Surface
	Ygn, 46-5, Geological Formation Educational Hand Sample Collection		Pre-Cambrian, Proterozoic gneiss, just up the hill from sample 46-4, R. Jackson 1982 NEIGC field trip stop #5, can trace a contact between Dalton and Ygn	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.440107, 41.628059		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ygn, 46-2, Geological Formation Educational Hand Sample Collection		Road cut just west of bridge, Pre-Cambrian gray gneiss with amphibolite (? folded biotite-rich layer) on N side Kent School from R. Jackson 1982 NEIGC trip stop #1	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.484103, 41.727281		2010	Surface
	Zl, 111-2, Geological Formation Educational Hand Sample Collection		From Light House Point Park, New Haven, below lighthouse	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.903572, 41.248135		2010	Surface
	Zp, 29-1, Geological Formation Educational Hand Sample Collection		Samples a and b. Plainfield Formation, from Putnam east along Route 44 opposite Tucker Hill Rd	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-71.839990, 41.921014		2010	Surface
	Zp, 44-1, Geological Formation Educational Hand Sample Collection		Plainfield Formation, N side of Conn. Turnpike (Rte. 695) in zone of transition from quartzite to schist, note lineation	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-71.850491, 41.775202		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Zp, Zsc & Pn, 97-2, Geological Formation Educational Hand Sample Collection		"Mamacoke Formation" of Bernold, 1962 p. 22, NE side of Joshua Cove, N of road, coarse feldspar-bearing quartzite, indistinct bedding	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.702060, 41.256957		2010	Surface
	Zp, Zsc & Pn, 97-3, Geological Formation Educational Hand Sample Collection		"Mamacoke Formation" of Bernold, 1962 p. 22, migmatite, foliation: 140-50N. Quartz-plagioclase-biotite gneiss with cross-cutting layers of pink feldspar.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.695143, 41.260633		2010	Surface
	Zp, Zsc & Pn, 97-6, Geological Formation Educational Hand Sample Collection		From Red Hill Quarry, Stony Creek Preserve, Branford	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.745836, 41.287774		2010	Surface
	Zp, Zsph & Pn?, 100-1, Geological Formation Educational Hand Sample Collection		Plainfield Formation; Quarzite with trace of garnet.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.319909, 41.325181		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Zpq, 29-2, Geological Formation Educational Hand Sample Collection		Quartzite Unit of Plainfield Formation, strongly lineated (intersecting cleavages) biotite schist. Five Mile River Rd, east end, 0.7 miles from Route 44 in Putnam	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-71.800375, 41.909900		2010	Surface
	Zpq, Zsc & Pn, 97-4, Geological Formation Educational Hand Sample Collection		Plainfield Formation, Quartzite and Quartz schist, bedding striking parallel to valley and dip N 40 degrees; gray biotite bearing quartzite.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.704481, 41.287651		2010	Surface
	Zsc & Pn, 97-1, Geological Formation Educational Hand Sample Collection		Stony Creek Quarry Granite	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.740495, 41.285602		2010	Surface
	Zsh, 59-1, Geological Formation Educational Hand Sample Collection		North side of Rt 14 in middle of large OTC	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-71.861943, 41.717737		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Zsh, 102-1, Geological Formation Educational Hand Sample Collection		102-1a abd b. Alaskite Gneiss and New London Gneiss from S end of Bluff Point	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.032020, 41.313095		2010	Surface
	Zsh, 102-2, Geological Formation Educational Hand Sample Collection		Collected on point above Bluff Point Beach	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.035383, 41.314931		2010	Surface
	Zsh, 200-1, Geological Formation Educational Hand Sample Collection		Hope Valley Alaskite, collected from Hope Valley area of Rhode Island	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1			2010	Surface
	Zsp, 44-2, Geological Formation Educational Hand Sample Collection		Hope Valley Alaskite gneiss or Ponaganset gneiss, note lack of mafics and strong lineations	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-71.808359, 41.786196		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Zsph, 100-2, Geological Formation Educational Hand Sample Collection		Sterling Plutonic Group, biotite granitic gneiss collected behind boatyard; two samples	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.344629, 41.313186		2010	Surface
	Zw, 73-2, Geological Formation Educational Hand Sample Collection		From NW side of Glasgow Pond, Griswold	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-71.889304, 41.558100		2010	Surface
	Zwnj, 84-2, Geological Formation Educational Hand Sample Collection		New London Gneiss, Joshua Rock Member, aegerine augite gneissic granite, collected from Joshua Rock	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.376130, 41.380903		2010	Surface
	Zwnj, 86-2, Geological Formation Educational Hand Sample Collection		New London Gneiss, Joshua Rock Gneiss Member, Aegerine augite	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.169735, 41.431151		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Zwnj, 86-3, Geological Formation Educational Hand Sample Collection		Note cherry-red spots (irradiation halos?), collected from abandoned stone quarry	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.144286, 41.375630		2010	Surface
	Zwr, 84-8, Geological Formation Educational Hand Sample Collection		From steamboat landing between town parking lot and railroad track, Deep River	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.427009, 41.395376		2010	Surface
	Zwr, 85-1, Geological Formation Educational Hand Sample Collection		From Rt 11 in Salem, Not collected yet (GPS for guidance to site only)	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.284182, 41.468781		2010	Surface
	Zwr, 86-1, Geological Formation Educational Hand Sample Collection		Monson-like, from S of Honey Hill Fault Zone; Rope Ferry Gneiss of Waterford Group	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.242497, 41.489014		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ed, 16-5, Geological Formation Educational Hand Sample Collection		Cambrian Dalton Formation, well exposed, fairly clean quartzite, contrasting rocks (dirty Dalton) are exposed at head of Dean's Ravine in S. Canaan Quad and on south side of road leading away from Dean's Ravine to the north	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-73.392755, 41.905233		2010	Surface
	Ed, 46-4, Geological Formation Educational Hand Sample Collection		Dalton (Lower) from R. Jackson 1982 NEIGC field trip stop #5, Dalton is a Schist (as it is in the E) and is described as being similar to Manhattan C or Canaan Mountain, which Jackson believes is an eastern facies of Dalton, now Allochthonous	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-73.441479, 41.627013		2010	Surface
	Ed, 46-1, Geological Formation Educational Hand Sample Collection		Precambrian Dalton Formation, road cut just west of bridge, S side quartzite sitting above PC, from Kent School outcrop, see R. Jackson 1982 NEIGC trip stop #1; tourmaline bearing fine-grained quartzite	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-73.483302, 41.727447		2010	Surface
	Ce, 16-3a, Geological Formation Educational Hand Sample Collection		Cambrian Everett Schist sample from boulder and blocks, south side of Mt. Riga Rd., garnet rich, more typical of zone near contact with Walloomsac; <i>Sample 3 of Connecticut Rock Set.</i>	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav= 	-73.450501, 41.999313		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Ce, 16-3b, Geological Formation Educational Hand Sample Collection		Cambrian Everett Schist sample from boulder and blocks, south side of Mt. Riga Rd., garnet-poor	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.450409, 41.999246		2010	Surface
	Ch, 19-9-1, Geological Formation Educational Hand Sample Collection		Cambrian "Waramaug Formation", Hoosac Schist, West Hill Road, New Hartford, 2 samples. Quartz-plagioclase-biotite schist and gneissic schist.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.03525, 41.904117		2010	Surface
	Cma, 46-3, Geological Formation Educational Hand Sample Collection		Canaan Mountain, typical Manhattan C schist, See R. Jackson 1982 NEIGC field trip stop #4, station 4-B; med-grained garnet bearing plagioclase mica schist.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.440628, 41.671602		2010	Surface
	Csa, 2-2, Geological Formation Educational Hand Sample Collection		Cambrian Dolomite marble from Allyndale Quarry, marble samples	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.288597, 42.026390		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Esa, 2-3a, Geological Formation Educational Hand Sample Collection		2-3' above top of marble-Iron ore? From Allyndale Quarry, Limonite concentrations (concretions) found in red clay "Saprolite", NW side of quarry	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.288649, 42.026187		2010	Surface
	Esa, 2-3b, Geological Formation Educational Hand Sample Collection		2-3' above top of marble-Iron ore? From Allyndale Quarry, Limonite concentrations (concretions) found in red clay "Saprolite", NW side of quarry	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.288161, 42.026351		2010	Surface
	Esa, 2-4, Geological Formation Educational Hand Sample Collection		2' above marble Red clay "Saprolite", From Allyndale Quarry, NW side of quarry, Samples 2-3 a,b from this clay	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.288432, 42.026188		2010	Surface
	Esa, 2-1b, Geological Formation Educational Hand Sample Collection		Cambrian Stockbridge Marble Unit a, tremolite concentration, taken from blocks around quarry	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.315302, 42.013573		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Esa, 2-1a, Geological Formation Educational Hand Sample Collection		Cambrian Stockbridge Marble Unit a, typical dolomite marble, taken from blocks around quarry.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.315391, 42.013767		2010	Surface
	Esc, 16-4, Geological Formation Educational Hand Sample Collection		Cambrian Dolomitic Marble Stockbridge Unit C, underlies a large area in the central part of the quad, may have calcite cement around dolomite grains, the cement weathering leaving a dolomite sand	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.443607, 41.932042		2010	Surface
	(Recent), 2-5, Geological Formation Educational Hand Sample Collection		Slag samples (a, b, and c) from dump-pile of old Iron Furnace, Beckley in E. Canaan.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-73.293468, 42.009975		2010	Surface
	Quat., 22-3, Geological Formation Educational Hand Sample Collection		Concretions and Bone, Concretions (2) out of varved clay (Pleistocene), Bone taken to Peabody	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.658682, 41.893929		2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Quat., 36-9-1a, Geological Formation Educational Hand Sample Collection		Peat and clay samples with wood and mollusk shells from sewer excavation, strat 0-4' swamp deposits and disturbed soil, 4-5' peat with wood, sample given to Charles Dimmick, CCSU Dept of Physics and Earth Science, 827-7248	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.762444, 41.769754		2010	Surface
	Quat., 36-9-1b Geological Formation Educational Hand Sample Collection		Peat and clay samples with wood and mollusk shells from sewer excavation, strat 0-4' swamp deposits and disturbed soil, 5-7' grey organic clay with abundant mollusk shells, sample given to Charles Dimmick, CCSU Dept of Physics and Earth Science, 827-7248	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.762547, 41.769754		2010	Surface
	Quat., 36-9-1c, Geological Formation Educational Hand Sample Collection		Peat and clay samples with wood and mollusk shells from sewer excavation, strat 0-4' swamp deposits and disturbed soil, 7-10' gray clay, sample given to Charles Dimmick, CCSU Dept of Physics and Earth Science, 827-7248	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1	-72.762513, 41.769883		2010	Surface
	Es?, Geological Formation Educational Hand Sample Collection		Inwood marble collected from OTC in Chappaqua, New York, E side of railroad just S of station in commuter parking lot; two samples.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1			2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	?, 0-2, Geological Formation Educational Hand Sample Collection		Sheared sedimentary rock from San Andreas Fault, collected in Indio Hills	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1			2010	Surface
	Mesozoic, 639, Geological Formation Educational Hand Sample Collection		Moderate reddish-gray medium-grained sandstone with Grallator (negative) foot print. Wesleyan (?) collection.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1			2010	Surface
	Mesozoic, 390, Geological Formation Educational Hand Sample Collection		Moderate reddish-gray medium-grained sandstone with Grallator (negative) foot print. Wesleyan (?) collection.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1			2010	Surface
	P?, U-01, Geological Formation Educational Hand Sample Collection		Beryl crystal, 3"x4"	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1			2010	Surface

collection ID	title	alternate Title	abstract	dataType	supplemental Information	coordinates	alternateGeometry	dataset Reference Date	vertical Extent
	Mesozoic, U-02, Geological Formation Educational Hand Sample Collection		Gray fine- to medium-grained micaceous sandstone; well cemented (calcareous?) .	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1			2010	Surface
	Mesozoic, U-03, Geological Formation Educational Hand Sample Collection		Reddish-brown medium-grained sandstone with thin curled locally disrupted dark red siltstone, possibly desiccated or affected by load.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1			2010	Surface
	?, 1-30-E, Geological Formation Educational Hand Sample Collection		Granitic gneiss.	Hand Sample	Collection Managed by the CT Geological Survey, additional information can be found at http://www.ct.gov/dep/cwp/view.asp?a=2701&q=323438&depNav_GID=1641&depNav=1			2010	Surface