

U.S. GEOLOGICAL SURVEY.

REPORT OPEN FILE.

No. 932.

(200)
R290
no. 932

205547



no.932, 1967

No. 932

USGS LIBRARY - RESTON



3 1818 00082795 4

U.S. GEOLOGICAL SURVEY.

REPORTS OPEN FILE series

No. 932.



OCT 12 1967

✓ GEOLOGIC DIVISION
U. S. GEOLOGICAL SURVEY
Washington, D. C.
20242

For release OCTOBER 12, 1967

The U. S. Geological Survey is releasing in open files the following reports. Copies are available for consultation in the Geological Survey Libraries, 1033 GSA Bldg., Washington, D. C. 20242; Bldg. 25, Federal Center, Denver, Colo. 80225; 345 Middlefield Rd., Menlo Park, Calif. 94025; and in other offices as listed:

1. Sand and gravel pit data sheets and location map for the Torrington quadrangle, Connecticut, by Roger B. Colton. 1 map, 37 tables. U. S. Geological Survey, 80 Broad St., Boston, Mass. 02110; Connecticut Geological and Natural History Survey, Judd Hall, Wesleyan University, Middletown, Conn. 06457. Material from which copy can be made at private expense is available in the Boston office shown above.
2. Preliminary materials map of the East Lee quadrangle, Massachusetts, by G. William Holmes. 1 map, 16 tables. U. S. Geological Survey, 80 Broad St., Boston, Mass. 02110; Massachusetts Dept. of Public Works, 100 Nashua St., Boston, Mass. 02114. Material from which copy can be made at private expense is available in the USGS Office, Boston, shown above.
3. Map showing locations of continuous seismic profiler (CSP) lines of the Gulf of Mexico, Dry Tortugas, Florida, to Galveston, Texas, by the U. S. Geological Survey. 1 sheet. Single copies of the map may be obtained from the National Oceanographic Data Center, Bldg. 150, Washington Navy Yard, Washington, D. C. 20390, and arrangements may be made with them to secure material from which copies of the data may be made at private expense.
4. Summary report on historic faulting in continental United States and adjacent parts of Mexico, by M. G. Bonilla. 50 p., 10 figs., 1 large table. 504 Custom House, San Francisco, Calif. 94111; 7638 Federal Bldg., Los Angeles, Calif. 90012; 8102 Federal Office Bldg., Salt Lake City, Utah 84111; 15426 Federal Bldg., Denver, Colo. 80202; 602 Thomas Bldg., Dallas, Texas 75202; 108 Skyline Bldg., 508 2nd Ave., Anchorage, Alaska 99501; South 157 Howard St., Spokane, Wash. 99204.

* * * * *

200) U.S. Geological Survey Reports - Open file series, no. 932 W-48-71 Ext. cy - to be dep. cy.
 290 Field and megascopic observations: Station number 1
 no. 932 Location: County Litchfield Town New Hartford Pit x Active
Inactive

Road location 1/2 mile S of Rt. 25 Coordinates 530,000 E x
361,000 N

Geologic unit or occurrence Kame or esker--ice-contact stratified drift

Textural description fine gravel Eng. Soil Type GP

Dimensions of deposit: Areal extent 300' x 300' Estimated thickness 50'

Dimensions of pit: Areal extent 25' x 25' Exposed thickness 20'

Lithologic composition (approximate %) 30% quartzite, 20% granite, 25% pegma-
tite, 25% gneiss

Grain size: Maximum 4" Mean 1" Est. % of sand 90 Est. % fines 5

Rounding rounded Grading poor Sorting fair to good

Soil development 1 to 2 feet Color brown

Oxidation or staining little Leaching ?

Secondary deposition none Reactive matter none ?

Section:

Not exposed

Rock type	
quartzite	27
granite	18
pegmatite	25
gneiss	23
hornblendite	1
basalt	1
unknown	1
schist	4

General Description:

U. S. Geological Survey
 OPEN FILE REPORT
 This report is preliminary and has
 not been edited or reviewed for
 conformity with Geological Survey
 standards or nomenclature.

Torrington

Connecticut

Roger B. Colton

Sept. 21, 1965

Conn. Coop.

QUADRANGLE

STATE

GEOLOGIST

DATE

PROJECT

Field and megascopic observations:

Station number 2

Location: County Litchfield Town Torrington Pit x Active
Inactive

Road location E of Rt. 8 1000' Coordinates 511,000 E x
379,500 N

Geologic unit or occurrence ice-contact stratified drift--Kame ?

Textural description gravel-coarse Eng. Soil Type GW

Dimensions of deposit: Areal extent 2 mi. x 200' - Estimated thickness 60'
800'

Dimensions of pit: Areal extent 150' x 300' Exposed thickness 30'

Lithologic composition (approximate %) 6.3% gneiss, 20% quartzite, 10% pegma-
tite

Grain size: Maximum 2' Mean Est. % of sand 60 Est. % fines 10

Rounding well rounded Grading poor to fair Sorting fair to good

Soil ~~thickness~~ thickness 2 to 4 feet Color dark to light yellowish brown

Oxidation or staining some Leaching some

Secondary deposition none Reactive matter none

Torrington

Connecticut

Roger B. Colton

Sept. 26, 1965

Conn. Coop.

QUADRANGLE

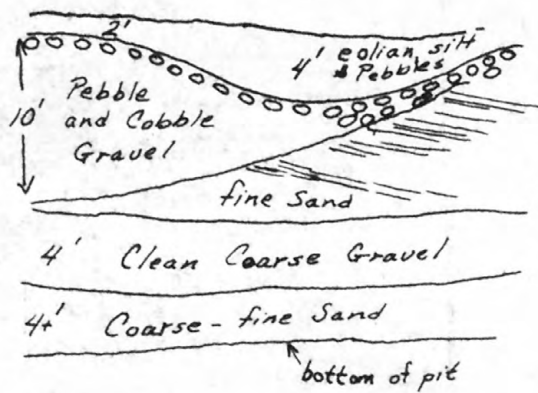
STATE

GEOLOGIST

DATE

PROJECT

Section:



Rock type	
quartzite	18
pegmatite	11
gneiss	63
granite	6
hornblendite	2
	100

General Description:

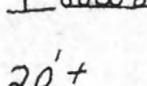
Beds of sand, gravel, fine sand, coarse gravel, etc. a very lenticular

Field and megascopic observations:

Station number 3
 Location: County Litchfield Town Torrington Pit x Active
Inactive
 Road location 1000' E of Rt. 8 Coordinates 37800 N x
510,200 E
 Geologic unit or occurrence kame ? ice-contact stratified drift
 Textural description coarse gravel and sand Eng. Soil Type GW
 Dimensions of deposit: Areal extent 2 mi. x 1000' Estimated thickness 60'
 Dimensions of pit: Areal extent 100' x 100' Exposed thickness 35'
 Lithologic composition (approximate %) 65% gneiss, 20% quartzite, 10% granite
 Grain size: Maximum 1 ft. Mean Est. % of sand 90 Est. % fines 5
 Rounding rounded Grading poor Sorting well sorted
 Soil ^{thickness} ~~development~~ 2 feet Color brown
 Oxidation or staining some Leaching leached
 Secondary deposition none seen Reactive matter little mica

Section:

Rock type	
quartzite	21
gneiss	65
granite	10
pegmatite	1
hornblendite	1
pegmatite	2
	100

T
10'  Coarse Gravel
L
20'+  Fine Sand

General Description: •

QUADRANGLE
TorringtonSTATE
ConnecticutGEOLOGIST
Roger B. ColtonDATE
Sept. 27, 1965PROJECT
Conn. Coop.

Field and megascopic observations:

Station number 4Location: County Litchfield Town New Hartford Pit x Active
InactiveRoad location 1 mi. N of Bakersville and Coordinates 523,500 E x
Rt. 25 just E of Nepaug R500' 368,500 NGeologic unit or occurrence till -- May 23, 1967Textural description till Eng. Soil Type MLDimensions of deposit: Areal extent 2000' x 300' Estimated thickness 50'Dimensions of pit: Areal extent 100' x 25' Exposed thickness 10'Lithologic composition (approximate %) 47% gneiss, 24% pegmatite, 11% granite,
13% quartziteGrain size: Maximum 3' Mean Est. % of sand 60 Est. % fines 15Rounding rounded Grading fair Sorting poorSoil ~~development~~ ^{thickness} 2 to 4 feet Color brownOxidation or staining some Leaching noneSecondary deposition none Reactive matter none

Section:

section slumped and partially
overgrown

Rock type	
quartzite	13
granite	11
pegmatite	24
gneiss	47
hornblendite	6

General Description:

QUADRANGLE
TorringtonSTATE
ConnecticutGEOLOGIST
Roger B. ColtonDATE
Oct. 2, 1965
/revisited May 23, 1967/PROJECT
Conn.
Coop.

Field and megascopic observations:

Station number 5
 Location: County Litchfield Town Torrington Pit x Active
Inactive
 Road location 2 mi. S of N edge of Coordinates 379,300 N x
quad. 300' W. of Rt. 8 509,500 E
 Geologic unit or occurrence Ice-contact stratified drift
 Textural description coarse gravel and sand Eng. Soil Type GP
 Dimensions of deposit: Areal extent 1 mi. long x Estimated thickness 50'
.1 or .2 mi. wide
 Dimensions of pit: Areal extent 100' x 300' Exposed thickness 30'
 Lithologic composition (approximate %) 64% gneiss, 13% pegmatite, 11% quartzite,
6% granite
 Grain size: Maximum 4' Mean sand Est. % of sand 40 Est. % fines 5
 Rounding rounded to well Grading fair Sorting poor to none
rounded
 Soil ~~development~~ ^{thickness} 2 to 4' Color brown
 Oxidation or staining some Leaching yes
 Secondary deposition none Reactive matter some

Section:

Rock type	
gneiss	64
pegmatite	13
quartzite	11
granite	6
hornblendite	4
gabbro	2

General Description:

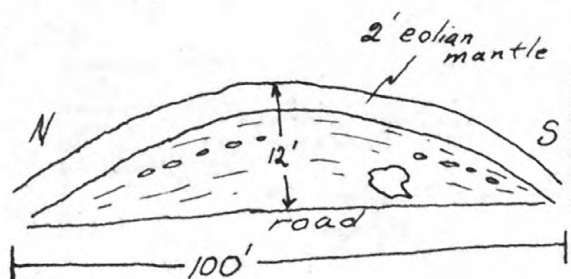
Torrington
 Connecticut
 Roger B. Colton
 Oct. 12, 1965
 Conn. Coop.
 QUADRANGLE
 STATE
 GEOLOGIST
 DATE
 PROJECT

Field and megascopic observations:

Station number 6Location: County Litchfield Town New Hartford Pit x Active
InactiveRoad location 1000' S of Saloteik Rd.
1000' W of Haywood Rd. Coordinates 528,500 E
356,600 NGeologic unit or occurrence ice-contact stratified driftTextural description coarse gravel Eng. Soil Type GWDimensions of deposit: Areal extent 300' x 1000' Estimated thickness 30'Dimensions of pit: Areal extent 100' x 500' Exposed thickness 12'Lithologic composition (approximate %) 44% gneiss, 15% hornblendite, 14% quartzite, 13% graniteGrain size: Maximum 5' Mean Est. % of sand 60 Est. % fines 10Rounding angular to sub- Grading fair to poor Sorting poor to goodthickness rounded
Soil development 2 feet Color brownOxidation or staining some Leaching ?Secondary deposition a little Reactive matter fines

Section:

Rock type	
granite	13
gneiss	44
pegmatite	10
quartzite	14
hornblendite	15
schist	3
gabbro	1



General Description:

QUADRANGLE
TorringtonSTATE
ConnecticutGEOLOGIST
Roger B. ColtonDATE
October 10, 1965PROJECT
Conn. Coop.

Field and megascopic observations:

Station number 7

Location: County Litchfield Town Harwinton Pit x x? Active
Inactive

Road location 2500' S of 116 Coordinates 522,500 E
4000' E of Locust 341,300 N

Geologic unit or occurrence Outwash gravel

Textural description fine gravel or coarse sand Eng. Soil Type SP

Dimensions of deposit: Areal extent 500' x 500' Estimated thickness 25'

Dimensions of pit: Areal extent 50' x 25' Exposed thickness 10'

Lithologic composition (approximate %) 5% hornblendite, 3% schist, 34% gneiss,
32% pegmatite, 22% quartzite

Grain size: Maximum 4" Mean 1 mm Est. % of sand 90 Est. % fines 10

Rounding rounded Grading poor Sorting good

Soil ^{thickness} ~~development~~ 2 feet Color brown

Oxidation or staining some to much Leaching leached

Secondary deposition bog iron Reactive matter some

Section:

Rock type	
quartzite	22
gneiss	34
schist	3
pegmatite	32
hornblendite	5
unknown	2
granite	2

2' Soil
 20" sd, scattered, pebs.
 yellow
 25" sd, orange iron
 stained, beds.
 5' + ? sd, lt yellow-gray
 with iron stained
 layers
 --- water ---
 table

General Description:

Torrington

QUADRANGLE

Connecticut

STATE

GEOLOGIST

Roger B. Colton

DATE

Oct. 20, 1965

PROJECT

Conn. Coop.

Field and megascopic observations:

Station number 8
Active ☐ Inactive ☒Location: County Litchfield Town Torrington Pit xRoad location Rt. 8--200' W of S edge Coordinates 377,500 N
of drive-in theatre 508,500 EGeologic unit or occurrence ice-contact stratified drift--kame terrace ?Textural description fine stratified sand and lenses Eng. Soil Type SM
of gravelDimensions of deposit: Areal extent 400' x 300' Estimated thickness 50'Dimensions of pit: Areal extent 200' x 150' Exposed thickness 30'Lithologic composition (approximate %) 50% gneiss, 20% pegmatite, 15% quartz-
iteGrain size: Maximum 1 foot Mean sd. Est. % of sand 90 Est. % fines 5Rounding well rounded Grading poor Sorting goodSoil development 1-2 ft. eolian mantle Color light grayOxidation or staining slight Leaching someSecondary deposition little Reactive matter mica

Section:

Slumped and poorly exposed.

Rock type	
quartzite	17
gneiss	48
pegmatite	19
granite	5
schist	3
amphibolite	7
unknown	1

General Description:

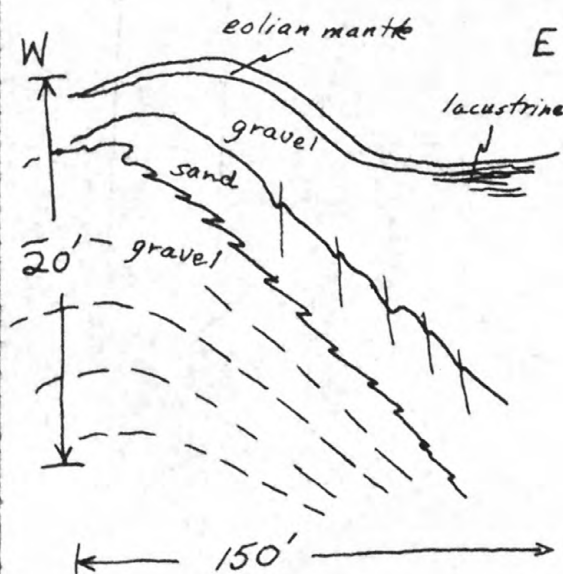
Well stratified well bedded sand with sparse lenses of gravel, some collapse structures.

QUADRANGLE
TorringtonSTATE
ConnecticutGEOLOGIST
Roger B. ColtonDATE
May 26, 1967PROJECT
Conn. Coop.

Field and megascopic observations:

Location: County		Town	Station number	Pit	Active	Inactive
Litchfield		Burrville	9			
Torrington						
Road location		600' E of Rt. 8 and 200' N of Greenwood Rd.	Coordinates	377,500 N	510,000 E	
Geologic unit or occurrence		Ice-channel filling				
Textural description		gravel	Eng. Soil Type	GM		
Dimensions of deposit: Areal extent		600' x 200'	Estimated thickness	40'		
Dimensions of pit: Areal extent		150' x 200'	Exposed thickness	20'		
Lithologic composition (approximate %)		55% gneiss, 20% quartzite, 15% pegmatite				
Grain size: Maximum		3 ft.	Mean	peb.	Est. % of sand	50
					Est. % fines	5
Rounding		subrounded to well rounded	Grading	fair	Sorting	poor
Soil development		1-2 ft. eolian mantle	Color	brown		
Oxidation or staining		some	Leaching	some		
Secondary deposition		little	Reactive matter	micaceous		

Section:

[illegible]

General Description:

Torrlngtor
QUADRANGLE

Connecticut
STATE

er B. Colt
GEOLOGIST

DATE _____

PROJECT

Field and megascopic observations:

Station number 10
 Location: County Litchfield Town Torrington Pit x Active Inactive
 Road location 200' W of Rt. 8 and 0.6 mi. S of Burrville Coordinates 374,200 N
506,800 E
 Geologic unit or occurrence ice-contact stratified drift--kame terrace ?
 Textural description coarse gravel Eng. Soil Type GP
 Dimensions of deposit: Areal extent 2000' x 300' Estimated thickness 40'
 Dimensions of pit: Areal extent 200' x 150' Exposed thickness 25'
 Lithologic composition (approximate %) 60% gneiss, 25% pegmatite, 10% quartzite
 Grain size: Maximum 10' Mean peb. Est. % of sand 40 Est. % fines 5
 Rounding poor to fair Grading poor to good Sorting very little
 Soil development 1-2' eolian mantle Color gray
 Oxidation or staining none Leaching some
 Secondary deposition little Reactive matter micaceous

Section:

Not exposed.

Rock type	
gneiss	58
quartzite	10
pegmatite	24
granite	8

General Description:

QUADRANGLE
 STATE
 GEOLOGIST
 DATE
 PROJECT

Torrington
 Connecticut
 Roger B. Colton
 May 26, 1967
 Conn. Coop.

Field and megascopic observations:

Station number 11

Location: County Litchfield Town Torrington Pit X Active
Inactive

Road location	Rt. 8--100' W of and 1 mi. S of Burrville	Coordinates	372,300 N 106,000 E
---------------	---	-------------	------------------------

Geologic unit or occurrence ice-contact stratified drift--kame terrace ?

Textural description boulder gravel and sand Eng. Soil Type GP

Dimensions of deposit: Areal extent 2000' x 300' Estimated thickness 50'

Dimensions of pit: Areal extent 100' x 200' Exposed thickness 20'

Lithologic composition (approximate %) 50% gneiss, 20% pegmatite, 15% quartz-
ite

Grain size: Maximum 6' Mean sd. Est. % of sand ⁹⁰ Est. % fines ⁵

Rounding poor to sub **Grading** poor **Sorting** good

Soil development 2-3' eolian mantle Color light yellow brown, gravel
gray

Oxidation or staining	none	Leaching	leached
-----------------------	------	----------	---------

Secondary deposition little Reactive matter micaceous

Section:

Large boulders scattered thru
gray ripple laminated thin-
bedded sand, faulted contorted.

Rock type	
gneiss	52
quartzite	12
pegmatite	20
amphibolite	8
granite	8

General Description:

Torrington

Connecticut

Roger B. Colton

May 26, 1967

Conn. Coop.

QUADRANGLE

STATES

GEOLOGIST

DATE _____

PROJECT

Field and megascopic observations:

Station number 12
 Location: County Litchfield Town Torrington Pit x Active Inactive

Road location 1000' E of Rt. 8 and S of Harris Drive Coordinates 371500 N
506500 E

Geologic unit or occurrence Ice-channel filling

Textural description coarse gravel Eng. Soil Type GP

Dimensions of deposit: Areal extent 2000' x 300' Estimated thickness 40'

Dimensions of pit: Areal extent 500' x 300' Exposed thickness 50'

Lithologic composition (approximate %) 50% gneiss, 20% pegmatite, 20% quartzite

Grain size: Maximum 10' Mean pebble Est. % of sand 20 Est. % fines 0

Rounding sub-well rounded Grading fair Sorting poor

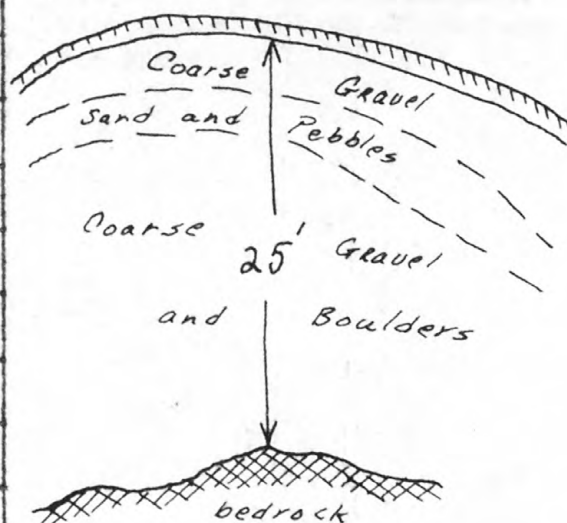
Soil development 1-2' eolian mantle Color brown

Oxidation or staining some Leaching leached

Secondary deposition little Reactive matter micaceous-biotite

Section:

Rock type	
gneiss	53
pegmatite	19
quartzite	18
granite	10



General Description:

QUADRANGLE

Torrington

STATE

Connecticut

GEOLOGIST

Roger B. Colton

DATE

May 26, 1967

PROJECT

Conn. Coop.

Field and megascopic observations:

Station number 13
 Location: County Litchfield Town Torrington Pit x Active
 Road location 2000' NW of BM 730 Coordinates 369,000 N
1800' W of Rt. 8 and Sons of Jacob Cem. 504,000 E
 Geologic unit or occurrence kame terrace
 Textural description coarse gravel Eng. Soil Type GM
 Dimensions of deposit: Areal extent 3000' x 300' Estimated thickness 50'
 Dimensions of pit: Areal extent 1000' x 200' Exposed thickness 25'
 Lithologic composition (approximate %) 60% gneiss, 10% pegmatite, 7% granite,
7% quartzite
 Grain size: Maximum 10' Mean peb. Est. % of sand 20 Est. % fines 0
 Rounding sub-well rounded Grading fair Sorting poor
 Soil development 2-3 ft. Color brown
 Oxidation or staining some Leaching leached
 Secondary deposition little Reactive matter micaceous

Section:

All coarse gravel and boulders with some thin beds of sand and pea gravel.

Rock type	
gneiss	62
quartzite	7
schist	6
pegmatite	10
amphibolite	7
granite	7
unknown	1

General Description:

Torrington
 QUADRANGLE
 Connecticut
 STATE
 Roger B. Colton
 GEOLOGIST
 May 26, 1967
 DATE
 Conn. Coop.
 PROJECT

Field and megascopic observations:

Station number 14
 Location: County Litchfield Town Torrington Pit x Active
 Road location 1000' W of Rt. 8; 1400' N Coordinates 368,700 N
of BM 730 504,500 E
 Geologic unit or occurrence esker, ice-channel filling or kame
 Textural description coarse gravel Eng. Soil Type GW
 Dimensions of deposit: Areal extent 2000' x 300' Estimated thickness 40'
 Dimensions of pit: Areal extent 200' x 200' Exposed thickness 30'
 Lithologic composition (approximate %) 50% gneiss, 20% quartzite, 20% pegma-
tite
 Grain size: Maximum 6' Mean peb. Est. % of sand 70 Est. % fines 5
 Rounding subrounded Grading fair Sorting poor
 Soil development 2-3' eolian mantle Color brown
 Oxidation or staining some Leaching leached
 Secondary deposition slight Reactive matter mica & biotite

QUADRANGLE

Torrington

STATE

Connecticut

GEOLOGIST

Roger B. Colton

DATE

May 26, 1967

PROJECT

Conn. Coop.

Section:

Not exposed, but appears to be poorly bedded and sorted.

Rock type	
quartzite	22
gneiss	48
pegmatite	17
amphibolite	3
granite	10

General Description:

Some fine grained material occurs on the flanks of this feature--has a bedrock core and bedrock is exposed on crest of ridge.

Field and megascopic observations:

Station number 15
☒ Active
☐ Inactive

Location: County Litchfield Town New Hartford Pit x

Road location 300' SW of Bruning Rd. Coordinates 369,200 N
200' W of Maple Hollow Rd. 527,800 E

Geologic unit or occurrence Delta

Textural description sand and little gravel Eng. Soil Type SP

Dimensions of deposit: Areal extent 1200' x 800' Estimated thickness 80'

Dimensions of pit: Areal extent 300' x 400' Exposed thickness 40'

Lithologic composition (approximate %) 35% pegmatite, 20% gneiss, 20% granite, 15% quartzite

Grain size: Maximum 1 foot Mean sand Est. % of sand 90 Est. % fines 5

Rounding well rounded Grading poor Sorting good

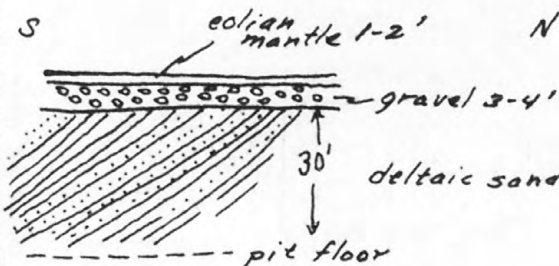
Soil development 1-2' eolian mantle Color brown

Oxidation or staining little Leaching leached

Secondary deposition little Reactive matter micaceous

Section:

Rock type	
quartzite	13
gneiss	18
pegmatite	34
amphibolite	4
schist	12
granite	18
unknown	1



General Description:

NW part of pit shows much coarser ice-contact stratified drift 30'+ thick.

Torrington

Connecticut

Roger B. Colton

May 27, 1967

Conn. Coop.

QUADRANGLE

STATE

GEOLOGIST

DATE

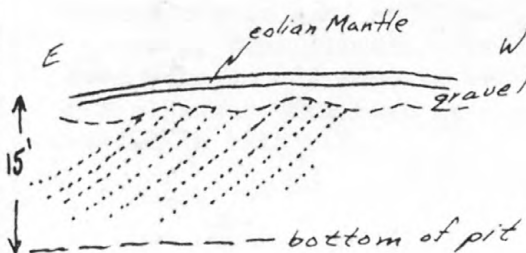
PROJECT

Field and megascopic observations:

Station number 16Location: County Litchfield Town New Hartford Pit X Active
InactiveRoad location 600' SW Bruning Road Coordinates 369,100 N
500' W of Maple Hollow Road 526,500 EGeologic unit or occurrence deltaTextural description sand Eng. Soil Type SPDimensions of deposit: Areal extent 3000' x 1000' Estimated thickness 70'Dimensions of pit: Areal extent 100' x 250' Exposed thickness 15'Lithologic composition (approximate %) 40% gneiss; 35% pegmatite; 10% quartz-
iteGrain size: Maximum 6" Mean sand Est. % of sand 95 Est. % fines 3Rounding well rounded Grading poor Sorting well sortedSoil development 1-2' eolian mantle Color brownOxidation or staining little or none Leaching leachedSecondary deposition none Reactive matter mica; biotite

Section:

Rock type	
pegmatite	35
gneiss	40
quartzite	10
granite	6
amphibolite	5
schist	4



General Description:

Deltaic ripple bedding well exposed--no faulting seen; thus not probably ice contact.

Torrington

Connecticut

Roger B. Colton

May 27, 1967

Conn. Coop.

QUADRANGLE

STATE

GEOLOGIST

DATE

PROJECT

Field and megascopic observations:

Station number 17

Location: County Litchfield Town New Hartford Pit x Active
InactiveRoad location NE cor. 100' W of Stub Coordinates 378,800 NHollow Road 530,800 EGeologic unit or occurrence Kame ?Textural description sand with minor gravel Eng. Soil Type SWDimensions of deposit: Areal extent 400' x 400' Estimated thickness 20'Dimensions of pit: Areal extent 200' x 100' Exposed thickness 10'Lithologic composition (approximate %) 45% gneiss, 30% pegmatite, 15% schistGrain size: Maximum 6" Mean sand Est. % of sand 90 Est. % fines 5Rounding well rounded Grading poor Sorting goodSoil development 2-3' eolian mantle Color brownOxidation or staining little or none Leaching leachedSecondary deposition none seen Reactive matter mica; biotite

Section:

Rock type	
gneiss	43
quartzite	7
schist	17
pegmatite	27
granite	6

Not exposed but remnants of deposit scraped off show stratified thin bedded coarse sand and fine gravel-lenses of fine gravel. Pit has been scraped off down to bedrock. N-S striae ? were seen on some bosses in this pit.

General Description:

Pit exhausted and now half full of pine bark and waste from lumber mill.

Torrington
QUADRANGLEConnecticut
STATERoger B. Colton
GEOLOGISTMay 26, 1967
DATEConn. Coop.
PROJECT

Field and megascopic observations:

Station number 18

Location: County Litchfield Town New Hartford Pit x Active
Inactive

Road location 2000' N of Rt. 25 Coordinates 365,500 N
1000' W of Rt. 219 526,500 E

Geologic unit or occurrence delta remnant--or remnant of lake deposits

Textural description sand Eng. Soil Type SM

Dimensions of deposit: Areal extent 1000' x 800' Estimated thickness 50'

Dimensions of pit: Areal extent 400' x 100' Exposed thickness 38'

Lithologic composition (approximate %) 40% gneiss, 35% pegmatite, 15% quartz-
ite

Grain size: Maximum 3 ft. Mean sand Est. % of sand 90 Est. % fines 5

Rounding well rounded Grading very poor Sorting excellent

Soil development 2-4 ft. eolian mantle Color delta - light gray
soil - light yellow brown

Oxidation or staining none Leaching leached

Secondary deposition none seen Reactive matter mica; biotite

Section:

Rock type	
gneiss	39
pegmatite	35
quartzite	12
granite	10
schist	2
amphibolite	1
unknown	1

eolian mantle

2-4'

gravel lenses 2-3'

sand, lt. gray

38'

with fine gravel

beds - no faulting

seen.

20'

Covered

pit floor about

20 boulders scattered

around.

General Description:

Lacustrine? or deltaic with thin skim? of Nepaug R. gravel on top?

QUADRANGLE

STATE

GEOLOGIST

DATE

PROJECT

Torrington

Connecticut

Roger B. Colton

May 27, 1967

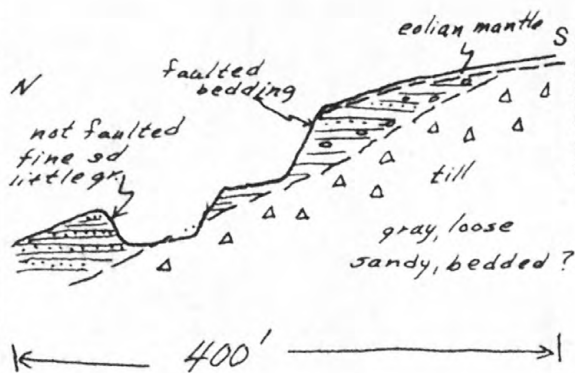
Conn. Coop.

Field and megascopic observations:

Station number 19Location: County Litchfield Town New Hartford Pit x Active
InactiveRoad location 400' E of Rt. 219; 2500' N of Rt. 25 Coordinates 365,600 N
526,800 EGeologic unit or occurrence deltaic deposits on tillTextural description sand and gravel Eng. Soil Type GMDimensions of deposit: Areal extent 1200' x 300' Estimated thickness 40'Dimensions of pit: Areal extent 200' x 300' Exposed thickness 25'Lithologic composition (approximate %) 50% gneiss, 20% pegmatite, 10% quartzite, 15% graniteGrain size: Maximum 3 ft. Mean sand Est. % of sand 90 Est. % fines Rounding sub-well rounded Grading poor Sorting goodSoil development 2-3 ft. eolian mantle Color light brownOxidation or staining some Leaching leachedSecondary deposition none seen Reactive matter mica

Section:

Rock type	
quartzite	11
pegmatite	17
gneiss	52
granite	16
amphibolite	2



General Description:

Pit abandoned and partly overgrown. Most sand and gravel removed--much till exposed.

QUADRANGLE

STATE

GEOLOGIST

DATE

PROJECT

Torrington

Connecticut

Roger B Colton

May 27, 1967

Conn. Coop.

Field and megascopic observations:

Station number 20
 Location: County Litchfield Town New Hartford Pit x Active
 Road location S side Bruning Rd., 0.8 Coordinates 371,600 N
mi. NW of Rt. 219 527,300 E
 Geologic unit or occurrence ice-contact stratified drift
 Textural description coarse gravel Eng. Soil Type GP
 Dimensions of deposit: Areal extent 3000' x 300' Estimated thickness 60'
 Dimensions of pit: Areal extent 500' x 150' Exposed thickness 30'
 Lithologic composition (approximate %) 70% gneiss, 15% pegmatite, 10% granite
 Grain size: Maximum 8' Mean peb. Est. % of sand 30 Est. % fines 5
 Rounding sub-well Grading fair Sorting poor
 Soil development 2-3' eolian mantle Color brown
 Oxidation or staining little Leaching leached
 Secondary deposition little Reactive matter mica biotite

Torrington

Connecticut

STATE

GEOLOGIST

Roger B. Colton

DATE

May 26, 1967

PROJECT

Conn. Coop.

Section:

Not exposed, pit exhausted and partly overgrown; dug exposures showed stratified sand.

Rock type	
gneiss	69
quartzite	6
pegmatite	16
schist	1
granite	7
amphibolite	1

General Description:

Field and megascopic observations:

Station number 21

Location: County Litchfield Town New Hartford Pit x Active
Inactive

Road location 1800' W of Eisendrath Road Coordinates 363,700 N
1000' N of Rt. 25 on Bakersville Bk. 521,000 E

Geologic unit or occurrence deltaic or kame valley fill

Textural description fine gravel and sand Eng. Soil Type SW

Dimensions of deposit: Areal extent 1500' x 700' Estimated thickness 30'

Dimensions of pit: Areal extent 200' x 300' Exposed thickness 10'

Lithologic composition (approximate %) 50% gneiss, 10% granite, 15% pegmatite,
15% quartzite

Grain size: Maximum 6" Mean sand 80 Est. % of sand 80 Est. % fines 10

Rounding well rounded Grading poor Sorting well sorted

Soil development 2-3' eolian mantle Color brown

Oxidation or staining none seen Leaching leached

Secondary deposition none Reactive matter mica

Torrington
 QUADRANGLE
 Connecticut
 STATE

Roger B. Colton
 GEOLOGIST

May 27, 1967
 DATE

Conn. Coop.
 PROJECT

Section:

Not exposed but shovel holes revealed stratified sand and fine gravel; pit now down to stream level exhausted and abandoned but reserves still present in eastern pit in same unit.

Rock type	
quartzite	17
pegmatite	14
gneiss	47
schist	6
amphibolite	6
granite	10

General Description:

Field and megascopic observations:

Station number 22

Location: County Litchfield Town New Hartford Pit x Active
Inactive

Road location 1000' S of Rt. 25, 200- Coordinates 359,400 N
500' W of Ramstein Road 516,800 E

Geologic unit or occurrence kame terrace

Textural description coarse gravel or till Eng. Soil Type GP

Dimensions of deposit: Areal extent 600' x 1000' Estimated thickness 50'

Dimensions of pit: Areal extent 400' x 200' Exposed thickness 30'

Lithologic composition (approximate %) 50% gneiss, 20% pegmatite, 15% granite,
10% quartzite

Grain size: Maximum 6' Mean peb. Est. % of sand 40 Est. % fines 10

Rounding sub-rounded Grading fair Sorting very poor

Soil development 2-3' eolian Color brown

Oxidation or staining some Leaching leached

Secondary deposition none seen Reactive matter mica, biotite

QUADRANGLE
TorringtonSTATE
ConnecticutGEOLOGIST
Roger B. ColtonDATE
May 27, 1967PROJECT
Conn. Coop.

Section:

Not exposed.
 Little bedding seen, poorly
 sorted-virtually non strati-
 fied-till in places.

Pit abandoned and partially
 overgrown--trunks of some
 trees 6" in diam.

Rock type	
gneiss	48
quartzite	10
schist	3
amphibolite	8
granite	12
pegmatite	19

General Description:

Field and megascopic observations:

Station number 23
 Location: County Litchfield Town New Hartford Pit x Active
Inactive
 Road location 800' W of Ramstein Rd. and Coordinates 353,800 N
200' N of Whitbeck Rd. 515,000 E
 Geologic unit or occurrence kame terrace ? (ice-contact stratified drift)
 Textural description coarse gravel or till Eng. Soil Type GM ?
 Dimensions of deposit: Areal extent 1000' x 1000' Estimated thickness 50'
 Dimensions of pit: Areal extent 250' x 100' Exposed thickness 15'
 Lithologic composition (approximate %) 55% gneiss; 12% pegmatite, 12% quartz-
ite
 Grain size: Maximum 6' Mean sand Est. % of sand 50 Est. % fines 15
 Rounding angular to rounded Grading fair Sorting poor
 Soil development 1-2' eolian mantle Color brown soil on light gray
gravel
 Oxidation or staining some Leaching leached
 Secondary deposition none seen Reactive matter micaceous

Section:

Rock type	
gneiss	56
quartzite	12
pegmatite	12
schist	2
amphibolite	8
granite	8
unknown	2

Not exposed; pit nearly completely grassed over; trees in some parts of pit 6-8" in diameter; hand dug exposures showed poorly stratified and poorly sorted sand and gravel more like till than ice contact stratified drift.

General Description:

Torrington
 QUADRANGLE
 STATE
 Connecticut
 GEOLOGIST
 Roger B. Colton
 DATE
 June 13, 1967
 PROJECT
 Conn. Coop.

Field and megascopic observations:

Station number 24
 Location: County Litchfield Town Harwinton Pit x Active
Inactive
 Road location 150' W of Ramstein Rd. Coordinates 351,200 N
515,100 E
 Geologic unit or occurrence Kame terrace or ice-channel filling
 Textural description coarse gravel and sand Eng. Soil Type GP
 Dimensions of deposit: Areal extent 1300' x 1200' Estimated thickness 40'
 Dimensions of pit: Areal extent 300' x 200' Exposed thickness 25'
 Lithologic composition (approximate %) 40% gneiss; quartzite 23%; 12% pegma-
tite; amphibolite 11%
 Grain size: Maximum 8' Mean 2 mm sand Est. % of sand 50 Est. % fines 5
 Rounding sub- to well- Grading fair to poor Sorting poor to fair
rounded
 Soil development 2-4' eolian silt sand Color brown soil on light gray
mantle gravel
 Oxidation or staining little Leaching leached
 Secondary deposition none seen Reactive matter mica

Section:

Rock type	
quartzite	23
gneiss	40
pegmatite	12
granite	12
schist	1
amphibolite	11
unknown	1

Not exposed; bottom of pit swampy, crude stratification and poorly sorted, lenticular bodies of sand and gravel, some faulting.

Trees 8" in diameter in pit

General Description:

Torrington
 QUADRANGLE
 STATE
 Connecticut
 Roger B. Colton
 GEOLOGIST
 June 13, 1967
 DATE
 Conn. Coop.
 PROJECT

Field and megascopic observations:

Station number 25
 Location: County Litchfield Town Harwinton Pit x Active
 Road location 1000' S of Leadmine Bk. Rd. Coordinates 348,800 N
1000' W of North Rd. 514,500 E
 Geologic unit or occurrence kame terrace or ice-channel filling
 Textural description coarse gravel Eng. Soil Type GP
 Dimensions of deposit: Areal extent 2000' x 800' Estimated thickness 5-15'
 Dimensions of pit: Areal extent 400' x 100' Exposed thickness 6'
 Lithologic composition (approximate %) 50% gneiss; 30% pegmatite; 15% quartzite
 Grain size: Maximum 6' Mean sand Est. % of sand 40 Est. % fines 5
 Rounding angular to well rounded Grading fair to poor Sorting poor to fair
 Soil development 1-3' eolian mantle Color soil brown, deposit light gray
 Oxidation or staining some Leaching leached
 Secondary deposition none seen Reactive matter mica

Section:

Rock type	
quartzite	14
pegmatite	28
gneiss	51
granite	6
schist	1

1-3' eolian silt + sand
sd. and gravel, poorly bedded and stratified
rotten schist

General Description:

Pit partly filled with trash.

Torrington

Connecticut

Roger B. Colton

June 13, 1967

Conn. Coop.

QUADRANGLE

STATE

GEOLOGIST

DATE

PROJECT

field and megascopic observations:

Station number 26
Location: County Litchfield Town Harwinton Pit x Active
Road location 1000' E of Rt. 4; 5 mi. S of Leadmine Bk. Rd. Coordinates 346,200 N
513,000 E
Geologic unit or occurrence ice-contact stratified drift
Textural description coarse gravel Eng. Soil Type GP
Dimensions of deposit: Areal extent 3000' x 2000' Estimated thickness 30'
Dimensions of pit: Areal extent 2000' x 1000' Exposed thickness 10-15'
Lithologic composition (approximate %) 60% gneiss, 20% pegmatite, 10% quartz-
ite
Grain size: Maximum 3' Mean sand Est. % of sand 50 Est. % fines 5
Rounding subangular to Grading fair to poor Sorting poor to fair
well rounded
Soil development 2-3' eolian mantle Color brown soil; light gray gravel
Oxidation or staining much Leaching leached
Secondary deposition some iron Reactive matter mica

Section:

Rock type	
quartzite	10
gneiss	62
granite	4
amphibolite	4
pegmatite	20

Top poorly exposed; (50%) much of pit floor flooded and much water entering pit; gravel and sand removed to bedrock at north end of pit.

General Description:

Torrington
QUADRANGLE

Connecticut
STATE

Roger B. Colton
GEOLOGIST

June 13, 1967
DATE

Conn. Coop.
PROJECT

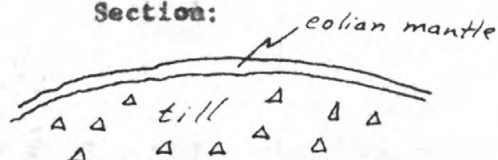
Field and megascopic observations:

Station number 27

Location: County Litchfield Town Harwinton Pit x Active
InactiveRoad location 150' W of Rt. 4 and 1000' Coordinates N of Rt. 116Geologic unit or occurrence drumlinTextural description all till Eng. Soil Type CLDimensions of deposit: Areal extent 1000' x 2000' Estimated thickness 40'Dimensions of pit: Areal extent 500' x 200' Exposed thickness 20'Lithologic composition (approximate %) 40% gneiss, 25% pegmatite; 20% quartz-
iteGrain size: Maximum 3' Mean sand Est. % of sand 30 Est. % fines 30Rounding subrounded to rounded Grading fair Sorting noneSoil development 1-2' eolian mantle Color brown - dark grayOxidation or staining none seen Leaching ?Secondary deposition none seen Reactive matter ?

Rock type	
gneiss	38
quartzite	18
pegmatite	26
schist	1
granite	8
amphibolite	7
unknown	2

Section:

Borrow pit now grassed over and
six acres for sale.

General Description:

Torrington
QUADRANGLEConnecticut
STATERoger B. Colton
GEOLOGISTJune 13, 1967
DATEComm. Coop.
PROJECT

field and megascopic observations:

Station number 28
 Location: County Litchfield Town Litchfield Pit x Active
 Road location 200' SE of Iffland Pond; Coordinates 342,000 E
1000' W of Old Rt. 8 498,800 E
 Geologic unit or occurrence Ourwash terrace
 Textural description fine to coarse gravel & sand Eng. Soil Type GP
 Dimensions of deposit: Areal extent 2000' x 1000' Estimated thickness 40-50'
 Dimensions of pit: Areal extent 100' - 300' Exposed thickness 10'
 Lithologic composition (approximate %) 40% gneiss; 25% quartzite, 10% granite,
10% pegmatite
 Grain size: Maximum 4' Mean sand Est. % of sand 50 Est. % fines 5
 Rounding angular to sub- Grading poor Sorting fair to good
rounded
 Soil development 1-2' eolian silt mantle Color light brown soil and
light gray gravel
 Oxidation or staining little Leaching leached
 Secondary deposition none seen Reactive matter mica

Section:

Rock type	
quartzite	25
gneiss	39
schist	6
granite	11
pegmatite	11
amphibolite	8



General Description:

Torrington
 Connecticut
 Roger B. Colton
 June 13, 1967
 Conn. Coop.

QUADRANGLE

STATE

GEOLOGIST

DATE

PROJECT

field and megascopic observations:

Station number 29
Location: County Litchfield Town Harwinton Pit x Active
Road location 1000' W of new Rt. 8 and Coordinates 344,800 N
200' E of sewage plant 500,200 E
Geologic unit or occurrence outwash terrace
Textural description medium to coarse gravel Eng. Soil Type GW
Dimensions of deposit: Areal extent 2000' x 500' Estimated thickness 0-25'
Dimensions of pit: Areal extent 1000' x 400' Exposed thickness 15'
Lithologic composition (approximate %) 40% gneiss; 25% pegmatite; 20% quartz-
ite
Grain size: Maximum 4' Mean pebble Est. % of sand 30 Est. % fines 5
Rounding angular to well Grading fair Sorting poor
rounded
Soil development 1-2' eolian mantle Color soil=yellow brown; gravel
light gray
Oxidation or staining some Leaching leached
Secondary deposition none seen Reactive matter mica ?

Section:

Rock type	
quartzite	20
gneiss	39
granite	12
pegmatite	23
amphibolite	4
schist	2

Deposit almost completely scraped down to bedrock area now being filled or covered with sewage solids.

General Description:

Torrington
Connecticut
Roger B. Colton
June 13, 1967
Conn. Coop.
QUADRANGLE
STATE
GEOLOGIST
DATE
PROJECT

field and megascopic observations:

Station number 30

Location: County Litchfield Town Torrington Pit x Active
Inactive

Road location 300' E of So. Main St.; Coordinates 346,800 N
just W of New St. Francis Cemetery 500,100 E

Geologic unit or occurrence Outwash terrace

Textural description coarse gravel and sand Eng. Soil Type GP

Dimensions of deposit: Areal extent 1000' x 1500' Estimated thickness 50'

Dimensions of pit: Areal extent 400' x 500' Exposed thickness 30'

Lithologic composition (approximate %) 40% gneiss; 20% quartzite; 11% amphibolite, 10% granite

Grain size: Maximum 2' Mean pebble Est. % of sand 50 Est. % fines 10

Rounding well-sub rounded Grading poor to fair Sorting good to poor

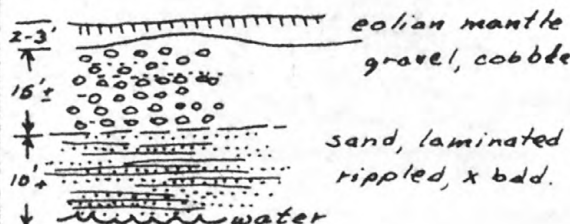
Soil development 2-3' eolian mantle Color soil; brown; gravel and sand
light gray

Oxidation or staining some Leaching leached

Secondary deposition none seen Reactive matter micaceous

Section:

Rock type	
quartzite	20
gneiss	41
schist	8
pegmatite	10
amphibolite	11
granite	10



General Description:

QUADRANGLE

STATE

GEOLOGIST

DATE

PROJECT

Torrington

Connecticut

Roger B. Colton

June 14, 1967

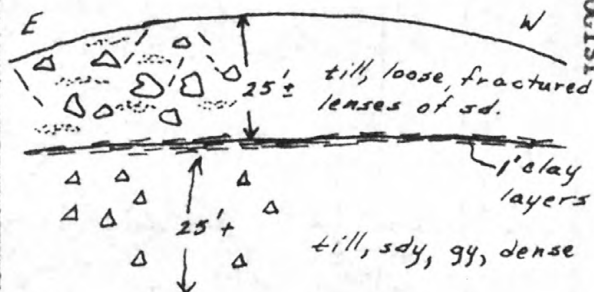
Conn. Coop.

Field and megascopic observations:

Station number 31Location: County Litchfield Town Harwinton Pit x Active
InactiveRoad location 500' S of Rt. 116; 1/2 mi E of Rt. 8 Coordinates 339,000 N
503,300 EGeologic unit or occurrence tillTextural description till Eng. Soil Type CLDimensions of deposit: Areal extent 1/2 sq. mi. Estimated thickness 100'Dimensions of pit: Areal extent 300' x 400' Exposed thickness 50'Lithologic composition (approximate %) 40% schist, 15% gneiss; 15% amphibolite
15% pegmatiteGrain size: Maximum 6' Mean pebble Est. % of sand 75 Est. % fines 15Rounding angular to sub- rounded Grading fair Sorting noneSoil development 1' eolian mantle Color brown; till = light to grayOxidation or staining little Leaching ?Secondary deposition none seen Reactive matter ?

Section:

Rock type	
schist	41
gneiss	17
quartzite	7
pegmatite	12
amphibolite	17
granite	5
unknown	1



General Description:

Torrington

Connecticut

Roger B. Colton

June 14, 1967

Conn. Coop.

QUADRANGLE

STATE

GEOLOGIST

DATE

PROJECT

Field and megascopic observations:

Station number 32Location: County Litchfield Town ; Harwinton Pit x Active
InactiveRoad location Just E of Kelley Pond Bk. Coordinates 335,300 NS side Swimming Hole Rd. 513,300 EGeologic unit or occurrence ice-contact stratified driftTextural description coarse sand and gravel Eng. Soil Type Dimensions of deposit: Areal extent 300' x 200' Estimated thickness 35'Dimensions of pit: Areal extent 75' x 50' Exposed thickness 15'Lithologic composition (approximate %) 45% gneiss; 20% pegmatite; 15% schist;
10% quartziteGrain size: Maximum 3 ft. Mean pebble Est. % of sand 50 Est. % fines 20Rounding angular to sub- Grading fair to poor Sorting poor
roundedSoil development 1-2' eolian mantle Color brown soil; gray gravelOxidation or staining some Leaching ?Secondary deposition none seen Reactive matter micaceous

Section:

Rock type	
quartzite	8
gneiss	46
pegmatite	20
schist	15
unknown	1
granite	3
amphibolite	7

Not exposed, pit walls slumped, pit partly filled with boulders and a little trash. Deposit rudely bedded and sorted, faulted contorted; nonsorted areas in pit and well bedded and sorted areas in pit.

General Description:

QUADRANGLE

Torrington

STATE

Connecticut

GEOLOGIST

Roger B. Colton

DATE

June 22, 1967

PROJECT

Conn. Coop.

Field and megascopic observations:

Station number 33
 Location: County Litchfield Town Harwinton Pit x Active
 Road location 1000' W of Rt. 72; 0.7 Coordinates 339,300 N
mi. S of Rt. 116 523,500 E
 Geologic unit or occurrence ice-contact stratified drift -- kame
 Textural description coarse gravel Eng. Soil Type GP
 Dimensions of deposit: Areal extent 3000' x 700' Estimated thickness 30'
 Dimensions of pit: Areal extent 300' x 100' Exposed thickness 15'
 Lithologic composition (approximate %) 35% gneiss; 30% pegmatite; 15% granite,
8% quartzite
 Grain size: Maximum 6' Mean 1' Est. % of sand 40 Est. % fines 0
 Rounding angular to sub- Grading fair to poor Sorting very poor
rounded
 Soil development 1-2' eolian mantle Color brown soil; gray gravel
 Oxidation or staining little Leaching ?
 Secondary deposition none seen Reactive matter micaceous

QUADRANGLE

Torrington

STATE

Connecticut

GEOLOGIST

Roger B. Colton

DATE

June 22, 1967

PROJECT

Conn. Coop.

Section:

Rock type	
gneiss	34
quartzite	8
schist	8
amphibolite	6
pegmatite	30
granite	14

Pit partly filled with dead trees, trash, boulders overgrown with bushes and trees 1-2" in diameter; very poorly sorted and stratified

General Description:

Field and megascopic observations:

Station number 34

Location: County Litchfield Town Harwinton Pit x Active
Inactive

Road location just S & N of Rt. 116; Coordinates 343,400 N
2000' E of Rt. 72 526,000 E

Geologic unit or occurrence ice contact stratified drift--segmented esker
or ice channel filling

Textural description coarse gravel Eng. Soil Type

Dimensions of deposit: Areal extent 5000' ± x 200' - Estimated thickness 40'
300'

Dimensions of pit: Areal extent 75' x 300' Exposed thickness 20'

Lithologic composition (approximate %) 30% gneiss; 35% pegmatite; 12% granite;
12% granite

Grain size: Maximum 3' Mean pebbles 40 Est. % of sand 40 Est. % fines 0

Rounding subangular to Grading fair Sorting poor
well rounded

Soil development 1' eolian mantle Color brown soil; gray gravel

Oxidation or staining some Leaching ?

Secondary deposition none seen Reactive matter micaceous

Torrington

Connecticut

STATE

GEOLOGIST

Roger B. Colton

DATE

June 22, 1967

PROJECT

Conn. Coop.

Section:

Rock type	
gneiss	27
quartzite	12
pegmatite	33
schist	7
amphibolite	9
granite	12

Not exposed; pits partially filled with trash, long abandoned; many boulders dumped in some pits; trees 6"-8" in diameter growing in some pits along this esker-like feature.

General Description:

Field and macroscopic observations:

Station number 35

Location: County Litchfield Town Torrington Pit X Active
Inactive

Read location N of Rt. 25, 500' VW garage 511,800E
coordinates 360,000N

Geologic unit or occurrence lower till

Textural description boulder clay Eng. Soil Type ML

Dimensions of deposit: Areal extent 1 mi. X 3 mi. Estimated thickness 100'

Dimensions of pit: Areal extent 400' X 500' Exposed thickness 70'

Lithologic composition (approximate %) 60% gneiss, 20% quartzite, 10% amphibolite
10% pegmatite

Grain size: Maximum 10' Mean ed. Est. % of sand 50 Est. % fines 20

Rounding angular to rounded Grading fair to poor Sorting none

Soil development 1-2' eolian mantle Color brown; till is gray

Oxidation or staining little Leaching ?

Secondary deposition None seen Reactive matter none seen

Section:

Rock type	
<u>gneiss</u>	<u>58</u>
<u>quartzite</u>	<u>20</u>
<u>amphibolite</u>	<u>11</u>
<u>granite</u>	<u>3</u>
<u>pegmatite</u>	<u>8</u>

General Description:

TORRINGTON
QUADRANGLE

CONNECTICUT
STATE

R. B. COLTON
GEOLOGIST

JUNE 1967
DATE

CONN. COOP.
PROJECT

Field and megascopic observations:

Station number 35aLocation: County Litchfield Town Torrington Pit x Active
InactiveRead location 500' N Rt. 25 VW garage Coordinates 533,800E
360,000NGeologic unit or occurrence upper tillTextural description _____ Eng. Soil Type MLDimensions of deposit: Areal extent 1 mi. x 3 mi. Estimated thickness 100'Dimensions of pit: Areal extent 400' x 500' Exposed thickness 70'Lithologic composition (approximate %) 57% gneiss; 13% amphibolite; 11% qtzt.;
10% pegmatiteGrain size: Maximum 10' Mean sd. Est. % of sand 50 Est. % fines 20Rounding angular to rounded Grading fair to poor Sorting noneSoil development 1-2' eolian mantle Color brown; till is grayOxidation or staining little Leaching ?Secondary deposition none seen Reactive matter none seen

Section:

Rock type	
gneiss	57
quartzite	11
amphibolite	13
granite	7
pegmatite	10
unknown	2

General Description:

TORRINGTON
QUADRANGLECONNECTICUT
STATEROGER B. COLTON
GEOLOGISTJUNE 1967
DATECONN. COOP.
PROJECT

Field and macroscopic observations:

Station number 36
 Location: County Litchfield Town Harwinton Pit X Active
Inactive
 of Rt. 8 339,000N
 Road location 100'S of Rt. 116 and 1/2 mi. E. Coordinates 503,300E
 Geologic unit or occurrence upper till
 Textural description boulder clay Eng. Soil Type CL
 Dimensions of deposit: Areal extent .5 sq. mi. Estimated thickness 100'
 Dimensions of pit: Areal extent 300' x 400' Exposed thickness 50'
 Lithologic composition (approximate %) 14% amphibolite; 6% quartzite; 6% granite
41% schist; 17% gneiss; 16% pegmatite;
 Grain size: Maximum 6' Mean pebble Est. % of sand 75 Est. % fines 15
 Rounding angular to subrounded Grading fair Sorting none
 Soil development 1' eolian mantle Color brown; till is gray
 Oxidation or staining little Leaching ?
 Secondary deposition none seen Reactive matter ?

Section:

Rock type	
<u>schist</u>	<u>41</u>
<u>gneiss</u>	<u>17</u>
<u>quartzite</u>	<u>6</u>
<u>amphibolite</u>	<u>14</u>
<u>pegmatite</u>	<u>16</u>
<u>granite</u>	<u>6</u>

General Description:

TORRINGTON
 QUADRANGLE
 CONNECTICUT
 STATE
 ROGER B. COLTON
 GEOLOGIST
 JUNE 22, 1967
 DATE
 CONN. COOP.
 PROJECT

Field and macroscopic observations:

Station number 36a
 Location: County Litchfield Town Harwinton Pit X Active
Inactive
 Road location pit 500'S of Rt. 116 & 1/4 mi. E. of Rt. 8 339,000N
 Coordinates 503,300E
 Geologic unit or occurrence lower till
 Textural description boulder clay Eng. Soil Type CL
 Dimensions of deposit: Areal extent 0.5 sq. mi. Estimated thickness 100'
 Dimensions of pit: Areal extent 300' x 400' Exposed thickness 50'
 Lithologic composition (approximate %) 10% pegmatite; 17% qtzt.
24% schist; 22% gneiss; 22% amphibolite;
 Grain size: Maximum 6' Mean pebble Est. % of sand 75 Est. % fines 15
 Rounding angular to subrounded Grading fair Sorting none
 Soil development 1' eolian mantle Color brown; till is light gray
 Oxidation or staining little Leaching ?
 Secondary deposition none seen Reactive matter ?

Section:

Rock type	
quartzite	17
gneiss	22
schist	24
amphibolite	22
pegmatite	10
granite	3
unknown	2

General Description:

TORRINGTON
QUADRANGLECONNECTICUT
STATER. B. COLTON
GEOLOGISTJUNE 22, 1967
DATECONN. COOP.
PROJECT

Field and megascopic observations:

see also No. 14

Station number 37

Active

Location: County Litchfield Town Litchfield Pit x Inactive

Litchfield Rd. 337,000N

Read location 300'E Howe Rd.; 1000'S of Coordinates 495,200E

Geologic unit or occurrence till - upper

Textural description boulder clay Eng. Soil Type ML

Dimensions of deposit: Areal extent 1500' x 1000' Estimated thickness 170'

Dimensions of pit: Areal extent 700' x 500' Exposed thickness 120'

7% quartzite

Lithologic composition (approximate %) 57% schist; 22% gneiss; 13% amphibolite;

Grain size: Maximum 10' Mean sand Est. % of sand 70 Est. % fines 20

rounded

Rounding angular to well Grading poor to fair Sorting none

Soil development 2 to 4 feet eolian cover Color brown

Oxidation or staining none Leaching none

Secondary deposition none Reactive matter none

Section:

Rock type	
<u>schist</u>	<u>57</u>
<u>quartzite</u>	<u>7</u>
<u>gneiss</u>	<u>22</u>
<u>amphibolite</u>	<u>13</u>
<u>granite</u>	<u>1</u>

General Description:

WEST TORINGTON
QUADRANGLE

CONNECTICUT
STATE

R. B. COTTON
GEOLOGIST

JUNE, 1967
DATE

CONN. COGE
PROJECT

see also No. 14

field and megascopic observations:

Station number 37a

Active

Location: County Litchfield Town Litchfield Pit x Inactive

borrow pit 337,000N

Read location SE corner of quad. - big Coordinates 495,200E

Geologic unit or occurrence lower till

Textural description boulder clay Eng. Soil Type ML

Dimensions of deposit: Areal extent 1500' x 1000' Estimated thickness 170'

Dimensions of pit: Areal extent 700' x 500' Exposed thickness 120'

6% qtzt.; 5% amphibolite

Lithologic composition (approximate %) 69% schist; 2% granite; 18% gneiss;

Grain size: Maximum 10' Mean sand Est. % of sand 70 Est. % fines 20

rounded

Rounding angular to well Grading poor to fair Sorting none

Soil development 2 to 4 feet eolian cover Color brown

Oxidation or staining none Leaching none

Secondary deposition none Reactive matter none

Section:

Rock type	
schist	69
quartzite	6
gneiss	18
amphibolite	5
granite	2

General Description:

WEST TORRINGTON
QUADRANGLE

CONNECTICUT
STATE

ROGER B. COLTON
GEOLOGIST

JUNE, 1967
DATE

CONN. COOP.
PROJECT

POCKET CONTAINS
ITEMS.

POCKET CONTAINS
1
ITEMS.

USGS LIBRARY - RESTON



3 1818 00082795 4