UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

MAP SHOWING LOCATION OF SAND, GRAVEL, AND TILL PITS AND QUARRIES IN THE ROCKVILLE QUADRANGLE, CONN.

By
R. B. Colton and M. J. Mallory

Open-File Report No. 69-58
1969

Field and megascopic observations:

Station number R1

Location: County Tolland Town Andover Pit ___ Active x Inactive

Road location 2400 N. of 41° 45' 300 E. of Rt. 6 Coordinates 695,800 E. 336,200 N.

Geologic unit or occurrence ice contact stratified drift

Textural description gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 2000' x 1000' Estimated thickness 40'

Dimensions of pit: Areal extent 250' x 100' Exposed thickness 15'

Lithologic composition (approximate %) 45% gneiss; 25% quartzite; 15% Triasic sandstone

Grain size: Maximum 8' Mean 2" Est. % of sand 60 Est. % fines 10

Rounding well Grading fair Sorting fair

Soil development 1' eolian silt mantle Soil Color light brown

Oxidation or staining some Leaching yes

Secondary deposition none seen Reactive matter micaceous

Rock type	
Gneiss	45
Quartzite	24
Triassic sandstone	14
Pegmatite	11
Schist	4
Basalt	2

Section: not exposed; dug holes show well bedded gravel and sand.

General Description: many large boulders scattered around pit

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B Colton

DATE August 5, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R2

Location: County Tolland Town Andover Pit x Active ___ Inactive

Road location 2200' N. of 41° 45' 2400 E. of Rt. 6 Coordinates 697,700 E. 336,000 N.

Geologic unit or occurrence outwash or kame terrace

Textural description gravel Eng. Soil Type SW

Dimensions of deposit: Areal extant 3000' x 600' Estimated thickness 50'

Dimensions of pit: Areal extent 1500' x 200' Exposed thickness 30'

Lithologic composition (approximate %) 40% gneiss; 25% quartzite; 20% sandstone

Grain size: Maximum 4' Mean 1" Est. % of sand 75 Est. % fines 5

Rounding well rounded to angular Grading fair to poor Sorting well sorted to poor

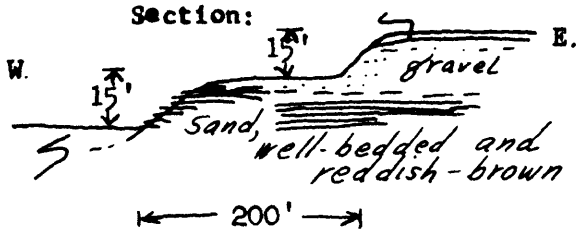
Soil development 1-2' eolian silt mantle Soil Color light yellowish brown

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Gneiss	38
Quartzite	25
Triassic sandstone	22
Schist	6
Basalt	5
Pegmatite	4

Section:



General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 5, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R3

Location: County Tolland Town Andover Pit x Active / Inactive

Road location 800' E. of Rt. 6 / 800' S. of Times Farm Rd. Coordinates 695,800 E. / 337,000 N.

Geologic unit or occurrence kame terrace

Textural description sand and gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 500' Estimated thickness 35'

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

Lithologic composition (approximate %) 35% sandstone; 25% gneiss; 20% quartzite

Grain size: Maximum 6" Mean 1" Est. % of sand 80 Est. % fines 5

Rounding well rounded Grading poor Sorting fair

Soil development 1-2' eolian soil mantle Soil Color buff

Oxidation or staining some Leaching yes

Secondary deposition none seen Reactive matter none seen

Section: stratified sand with lenses of gravel

Rock type	
Triassic sandstone	33
Gneiss	27
Quartzite	22
Pegmatite	9
Schist	6
Basalt	2
Granite	1

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 5, 1968

PROJECT Comm. Coop.

Field and megascopic observations:

Station number R4

Location: County Tolland Town Andover Pit ___ Active x Inactive

Road location 1000' E. of Rt. 6 just N. of Times Farm Rd. Coordinates 695,500 E. 338,000 N.

Geologic unit or occurrence kame terrace and esker (E. end of pit)

Textural description sand (some gravel) reddish brown Eng. Soil Type SW

Dimensions of deposit: Areal extent kame 1000' x 500' esker 2000' x 200' Estimated thickness 40'

Dimensions of pit: Areal extent 250' x 200' Exposed thickness 15'

Lithologic composition (approximate %) 40% sandstone; 40% quartzite; 20% gneiss

Grain size: Maximum 10" Mean 1" Est. % of sand 80 Est. % fines .5

Rounding well rounded Grading fair to poor Sorting poor to good

Soil development 1' eolian silt mantle Soil Color light brown

Oxidation or staining some Leaching yes

Secondary deposition none seen Reactive matter none seen

Section: collapsed bedding: steep dips; faulting

Rock type	
Triassic sandstone	38
quartzite	38
Gneiss	19
Schist	2
Amphibolite	1
Basalt	1
Granite	1

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 7, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R5

Location: County Tolland Town Andover Pit ___ Active x Inactive

2200' E. of Rt. 6 696,800 E.

Road location just S. of Times Farm Rd. Coordinates 338,100 N

Geologic unit or occurrence kame terrace

Textural description sand (and gravel) Eng. Soil Type SW

Dimensions of deposit: Areal extent 2000' x 1000' Estimated thickness 45'

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

Lithologic composition (approximate %) 35% gneiss; 25% sandstone; 20% quartzite

Grain size: Maximum 6" Mean 0.5" Est. % of sand 90 Est. % fines 5

Rounding well rounded Grading poor Sorting good

Soil development 1-3' eolian silt and colluvial mantle Soil Color light yellowish brown

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition none seen Reactive matter none seen

Section: slumped; not exposed

Rock type	
Gneiss	35
Triassic sandstone	26
Quartzite	21
Pegmatite	8
Schist	7
Granite	3

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 7, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R6

Location: County Tolland Town Andover Pit x Active ___ Inactive

Road location 2000' E. of Rt. 6 / 1400' N. of Times Farm Rd. Coordinates 695,600 E. / 339,800 N.

Geologic unit or occurrence kame terrace

Textural description Gravel (reddish brown) Eng. Soil Type GW

Dimensions of deposit: Areal extent 2500' x 1000' Estimated thickness 40'

Dimensions of pit: Areal extent 500' x 500' Exposed thickness 20'

Lithologic composition (approximate %) 40% gneiss; 25% quartzite; 25% sandstone

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

Rounding well rounded Grading fair Sorting poor to well sorted

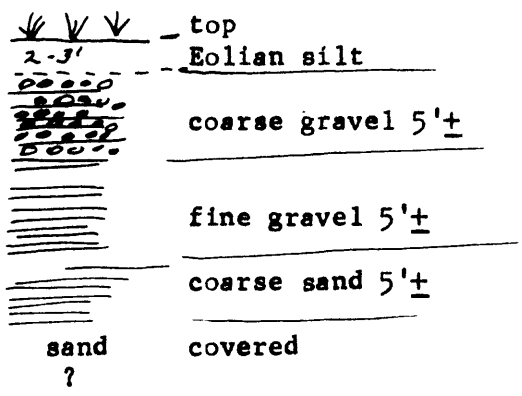
Soil development 2-3' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition little Reactive matter none seen

Rock type	
Gneiss	39
Quartzite	26
Triassic sandstone	24
Pegmatite	7
Basalt	3
Schist	1

Section:



General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 7, 1968 PROJECT Conn. Coop

Field and megascopic observations:

Station number R7

Location: County Tolland Town Andover Pit ___ Active x Inactive

Road location just N. of Hendee Rd. just E. of Rt. 6 Coordinates 336,800 N. 695,200 E.

Geologic unit or occurrence till

Textural description till Eng. Soil Type GC

Dimensions of deposit: Areal extent 2000' x 1000' Estimated thickness 30'

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

Lithologic composition (approximate %) 70% gneiss; 25% pegmatite

Grain size: Maximum 4' Mean 1" Est. % of sand 50 Est. % fines 20

Rounding angular to subrounded Grading fair to good Sorting nonsorted

Soil development 1-2' eolian soil veneer Soil Color buff

Oxidation or staining all stained Leaching leached

Secondary deposition none seen Reactive matter fine mica flakes

Section: all till slumped; most of pit covered by bushes

Rock type	
Gneiss	69
Pegmatite	25
Quartzite	4
Schist	1
Triassic sandstone	1

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 7, 1968 PROJECT Comm. Coop.

Field and megascopic observations:

Station number R8

Location: County Tolland Town Andover Pit ___ Active x Inactive

Road location just S. of Coventry town line just E. of Rt. 6 Coordinates 694,000 E. 339,500 N.

Geologic unit or occurrence kame terrace

Textural description gravel, brown Eng. Soil Type SW

Dimensions of deposit: Areal extent 2000' x 1000' Estimated thickness 40'

Dimensions of pit: Areal extent 500' x 200' Exposed thickness 20'

Lithologic composition (approximate %) 30% gneiss; 25% sandstone; 25% quartzite

Grain size: Maximum 2' Mean 1" Est. % of sand 70 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

Soil development 2' eolian silt Soil Color buff

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition none Reactive matter none

Rock type	
Gneiss	31
Triassic sandstone	25
Quartzite	24
Schist	10
Pegmatite	5
Basalt	1

Section: slumped; contains trees 1' in diameter, some trash, and several old cars. Dug holes show well stratified sandy gravel; pit nearly exhausted unless deeper excavation considered

General Description: last used for Rt. 6 in 1933

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 7, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R9

Location: County Tolland Town Coventry Pit x? Active / Inactive

Road location 1400' S. of South St. 1600' E. of Rt. 6 Coordinates 695,000 E. 340,500 N.

Geologic unit or occurrence kame terrace

Textural description Sand, coarse, pebble beds Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 400' Estimated thickness 40'

Dimensions of pit: Areal extent 300' x 100' Exposed thickness 20'

Lithologic composition (approximate %) 35% gneiss; 25% sandstone; 25% quartzite

Grain size: Maximum 4' Mean 1" Est. % of sand 80 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching yes

Secondary deposition none seen Reactive matter none seen

Section: mostly well stratified sand with thin beds of fine gravel

Rock type	
Gneiss	33
Triassic sandstone	23
Quartzite	23
Pegmatite	13
Schist	4
Granite	3
Basalt	1

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 7, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R10

Location: County Tolland Town Coventry Pit x? Active / Inactive

2800' NW. of South St. 692,500 E.

Road location 600' NE. of Rt. 6 Coordinates 342,500 N.

Geologic unit or occurrence kame terrace

Textural description gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 1500' x 500' Estimated thickness 40'

Dimensions of pit: Areal extent 500' x 100' Exposed thickness 15'

Lithologic composition (approximate %) 35% gneiss; 35% sandstone; 20% quartzite

Grain size: Maximum 3' Mean 1" Est. % of sand 75 Est. % fines 5

Rounding well rounded Grading fair to poor Sorting well sorted

Soil development 1-2' eolian silt Soil Color buff

Oxidation or staining some Leaching yes

Secondary deposition none seen Reactive matter micaceous

Rock type	
Gneiss	33
Triassic sandstone	36
Quartzite	18
Schist	7
Basalt	4
Pegmatite	2

Section: Not exposed; pit walls slumped. Dug holes indicate stratified sand and gravel, light reddish brown. Southern part of pit near wooden bridge scraped down to bedrock in several places

General Description: Saplings 2" in diameter growing in parts of pit; very few boulders seen.

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 7, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R11

Location: County Tolland Town Coventry Pit ___ Active x Inactive

400' N. of South St. 341,500 N.

Road location just E. of Rt. 6 Coordinates 693,300 E.

Geologic unit or occurrence kame terrace

Textural description gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 2000' x 500' Estimated thickness 50'

Dimensions of pit: Areal extent 500' x 1000' Exposed thickness 30'

Lithologic composition (approximate %) 40% gneiss; 20% sandstone; 15% quartzite

Grain size: Maximum 4' Mean 2" Est. % of sand 80 Est. % fines 5

Rounding fair to well rounded Grading fair to poor Soil Sorting fair to well

Soil development 1-2' eolian silt mantle Color buff

Oxidation or staining some Leaching yes

Secondary deposition little Reactive matter none seen

Section: not exposed; slumped; dug holes show collapsed, stratified sand and gravel

Rock type	
Gneiss	41
Triassic sandstone	22
Quartzite	15
Pegmatite	8
Schist	8
Amphibolite	4
Basalt	2

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 7, 1968

PROJECT Conn. Coop

Field and megascopic observations:

Station number R12

Location: County Tolland Town Coventry Pit ___ Active / x Inactive

Road location 800' N. of South St. / 1000' E. of Rt. 6 Coordinates 694,000 E. / 342,000 N.

Geologic unit or occurrence kame terrace

Textural description gravel Eng. Soil Type GW

Dimensions of deposit: Areal extant 700' x 1000' Estimated thickness 40'

Dimensions of pit: Areal extent 100' x 500' Exposed thickness 20'

Lithologic composition (approximate %) 25% sandstone; 30% gneiss; 25% quartzite

Grain size: Maximum 6' Mean 2" Est. % of sand 70 Est. % fines 10

Rounding well Grading poor Sorting well

Soil development 1-2' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching ~~some~~ leached

Secondary deposition none Reactive matter none

Section: not exposed; trees 6"

Rock type	
Triassic sandstone	27
Gneiss	28
Quartzite	26
Pegmatite	10
Schist	6
Basalt	3

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 7, 1968

PROJECT Conn. Coop

Field and megascopic observations:

Station number R13

Location: County Tolland Town Bolton Pit ___ Active / x Inactive

Road location just S. of Deming Rd. 400' E. of French Rd. Coordinates 682,900 E. 335,000 N.

Geologic unit or occurrence ice contact stratified drift

Textural description gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 1000' x 500' Estimated thickness 30'

Dimensions of pit: Areal extent 500' x 500' Exposed thickness 15'

Lithologic composition (approximate %) 45% sandstone; 25% quartzite; 15% gneiss

Grain size: Maximum 10' Mean 2" Est. % of sand 60 Est. % fines 5

Rounding angular to subrounded Grading fair to poor Sorting fair to poor

Soil development 1-2' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching yes

Secondary deposition none Reactive matter none

Section: not exposed; pit walls slumped

Rock type	
Triassic sandstone	44
Quartzite	27
Gneiss	16
Pegmatite	7
Schist	3
Basalt	3

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 7, 1968

PROJECT Conn.Coop

Field and megascopic observations:

Station number R14

Location: County Tolland Town Bolton Pit ___ Active x Inactive

Road location 800' E. of French Rd. 1200' S. of Camp Meeting Rd. Coordinates 683,000 E. 337,000 N.

Geologic unit or occurrence ice contact stratified drift - possibly an esker

Textural description gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 1000' x 250' Estimated thickness 25'

Dimensions of pit: Areal extent 200' x 400' Exposed thickness 15'

Lithologic composition (approximate %) 35% sandstone, 25% gneiss; 15% quartzite

Grain size: Maximum 6' Mean 2" Est. % of sand 60 Est. % fines 5

Rounding angular to well rounded Grading fair to poor Sorting fair to good

Soil development 1-2' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition none Reactive matter none

Section: not exposed; dug holes show well stratified, reddish brown sand and gravel

Rock type	
Triassic sandstone	34
Gneiss	26
Quartzite	17
Schist	13
Pegmatite	5
Basalt	5

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 7, 1968

PROJECT Conn.Coop.

Field and megascopic observations:

Station number R15

Location: County Hartford Town Manchester Pit X Active / Inactive

Road location 750' E. of Willys St. just S. of Porter St. Coordinates 671,400 E. 341,000 N.

Geologic unit or occurrence kame terrace

Textural description sand and gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 2000' Estimated thickness 30'

Dimensions of pit: Areal extent 300' x 100' Exposed thickness 20'

Lithologic composition (approximate %) 55% sandstone; 30% quartzite; 15% gneiss

Grain size: Maximum 1' Mean 1" Est. % of sand 70 Est. % fines 10

Rounding well rounded Grading poor Sorting fair to good

Soil development 1-2' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition no Reactive matter none seen

Rock type	
Triassic sandstone	53
Quartzite	30
Gneiss	15
Pegmatite	2

Section: pit walls slumped: trees 2-3" in diameter exposed. Dug holes show sand, which is reddish brown, well stratified, moderately thin bedded, and has lenses of fine gravel.

General Description: bedrock exposed at street level and in floor of pit.

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 8, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R16

Location: County Hartford Town Manchester Pit X Active / Inactive

Road location 1000' W. of Birch Mtn.Rd. Coordinates 2500' N. of 41° 45' 674,000 E. 336,800 N.

Geologic unit or occurrence ice contact stratified drift- possibly deltaic bedded kame

Textural description sand, reddish brown Eng. Soil Type SW

Dimensions of deposit: Areal extent 500' x 200' Estimated thickness 40'

Dimensions of pit: Areal extent 200' x 100' Expesed thickness 30'

Lithologic composition (approximate %) 40% sandstone; 30% gneiss; 25% quartzite

Grain size: Maximum 10' Mean 1" Est. % of sand 80 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

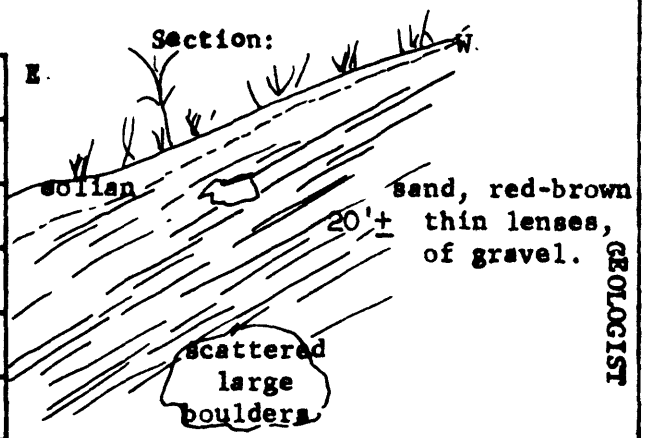
Soil development 1-3' eolian silt veneer Soil Color buff

Oxidation or staining some Leaching yes

Secondary deposition little Reactive matter none seen

Rock type	
Triassic sandstone	39
Gneiss	28
Quartzite	24
Pegmatite	6
Basalt	3

Section:



General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 8, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R17

Location: County Hartford Town Manchester Pit ___ Active x Inactive

Road location 600' E. of Birch Mtn. Rd. 600' W. of Carter St. Coordinates 674,500 E. 340,000 N.

Geologic unit or occurrence kame terrace

Textural description sand and gravel Eng. Soil Type SW

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

Dimensions of pit: Areal extent 200' x 300' Exposed thickness 20'

Lithologic composition (approximate %) 45% sandstone; 25% gneiss; 20% quartzite

Grain size: Maximum 4' Mean 1" Est. % of sand 60 Est. % fines 10

Rounding well rounded Grading poor Sorting fair to good

Soil development 1-2' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching none seen

Secondary deposition none seen Reactive matter none seen

Section: not exposed; 4" trees growing in pit.

Rock type	
Triassic sandstone	47
Gneiss	27
Quartzite	22
Pegmatite	3
Basalt	1

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 8, 1968

PROJECT Comm. Coop.

Field and megascopic observations:

Station number R18

Location: County Hartford Town Manchester Pit ___ Active ___ Inactive x

Road location 400' N. of Fern St. 100' E. of Gardner St. Coordinates 335,200 N 668,000 E.

Geologic unit or occurrence kame terrace

Textural description gravel Eng. Soil Type SW

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

Dimensions of pit: Areal extent 100' x 100' Exposed thickness 25'

Lithologic composition (approximate %) 45% sandstone; 35% quartzite; 15% gneiss

Grain size: Maximum 2' Mean 1" Est. % of sand 70 Est. % fines 10

Rounding well rounded Grading poor Sorting fair

Soil development 1-2' eolian soil mantle Soil Color buff

Oxidation or staining some Leaching yes

Secondary deposition none seen Reactive matter none seen

Section: not exposed; pit slumped and grassed over

Rock type	
Triassic sandstone	43
Quartzite	34
Gneiss	17
Pegmatite	3
Granite	2
Unknown	1

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 9, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R19

Location: County Hartford Town Manchester Pit x Active / 7 Inactive

Road location just S. of Timrod Rd. at Cobb Hill Rd. Coordinates 669,000 E. 337,000 N.

Geologic unit or occurrence kame terrace (collapsed)

Textural description gravel Eng. Soil Type ~~SW~~ GW

Dimensions of deposit: Areal extent 1000' x 2000' Estimated thickness 40'

Dimensions of pit: Areal extent 150' x 400' Exposed thickness 25'

Lithologic composition (approximate %) 40% sandstone; 30% quartzite; 10% gneiss

Grain size: Maximum 2' Mean 2" Est. % of sand 60 Est. % fines 5

Rounding well rounded Grading fair to poor Sorting fair to good

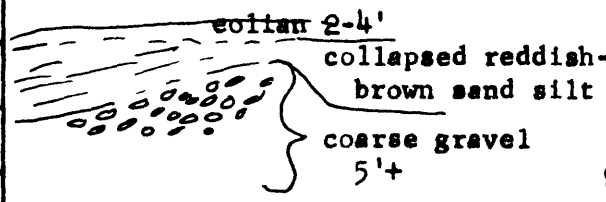
Soil development 2-4' eolian silt mantle Soil color buff

Oxidation or staining yes Leaching yes

Secondary deposition yes Reactive matter none seen

Rock type	
Triassic sandstone	42
Quartzite	31
Gneiss	11
Pegmatite	5
Basalt	8
Granite	2

Section:



General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 9, 1968

PROJECT Comm. Coop.

Field and megascopic observations:

Station number R20

Location: County Hartford Town Manchester Pit x Active ___ Inactive

Road location 500' W. of Finley Rd. 3000' S. of Rt. 6 Coordinates 675,000 E. 344,000 N.

Geologic unit or occurrence ice contact stratified drift

Textural description sand Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 500' Estimated thickness 50'

Dimensions of pit: Areal extent 200' x 500' Exposed thickness 30'

Lithologic composition (approximate %) 50% sandstone; 25% quartzite; 15% gneiss

Grain size: Maximum 1' Mean 1" Est. % of sand 80 Est. % fines 10

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching ~~none~~ leached

Secondary deposition little Reactive matter none seen

Rock type	
Triassic sandstone	52
Quartzite	25
Gneiss	14
Pegmatite	8
Basalt	1

Section: not exposed; pit now used as rifle range; dug holes show horizontally bedded sand and fine gravel.

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 9, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R21

Location: County Hartford Town Manchester Pit x Active ___ Inactive

Road location 600' E. of Finley Rd. 150' N. of E. Middle Turnpike Coordinates 346,500 N. 675,800 E.

Geologic unit or occurrence kame terrace

Textural description sand Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 2000' Estimated thickness 50'

Dimensions of pit: Areal extent 30' x 100' Exposed thickness 20'

Lithologic composition (approximate %) 45% sandstone; 20% gneiss; 20% quartzite

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

Rounding well rounded Grading poor Sorting well

Soil development 1' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching yes

Secondary deposition none Reactive matter none

Section: all well bedded, horizontal sand.

Rock type	
Triassic sandstone	46
Quartzite	22
Gneiss	20
Pegmatite	9
Basalt	3

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 9, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R22

Location: County Hartford Town Manchester Pit x Active ___ Inactive

Road location 1600' W. of Lake St. 500' N. of Lydall St. Coordinates 673,800 E. 352,000 N.

Geologic unit or occurrence ice contact stratified drift

Textural description gravel (reddish brown) Eng. Soil Type SW-GW

Dimensions of deposit: Areal extent 3000' x 1000' Estimated thickness 70'

Dimensions of pit: Areal extent 300' x 200' Exposed thickness 30'

Lithologic composition (approximate %) 55% sandstone; 20% quartzite; 20% gneiss

Grain size: Maximum 5' Mean 1" Est. % of sand 80 Est. % fines 5

Rounding well rounded Grading fair to poor Sorting well sorted

Soil development 2-3' eolian silt mantle Soil color buff

Oxidation or staining some Leaching yes

Secondary deposition little Reactive matter none seen

Rock type	
Triassic sandstone	56
Quartzite	19
Gneiss	18
Pegmatite	6
Basalt	1

Section: not exposed.

Pit very old--long abandoned. A few trees 2' in diameter growing in it; 50% of pit floor covered by trash.

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 12, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R 23

Location: County Tolland Town Bolton Pit x Active ___ Inactive

Road location 700' W. of Bolton Center Rd. 1000' N. of old Rt. 6 Coordinates 347,500 N. 676,800 E.

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

Textural description sand (and gravel) reddish brown Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 2000' Estimated thickness 100'

Dimensions of pit: Areal extent 600' x 400' Exposed thickness 50'

Lithologic composition (approximate %) 55% sandstone; 15% quartzite; 10% gneiss

Grain size: Maximum 4' Mean sand Est. % of sand 85 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

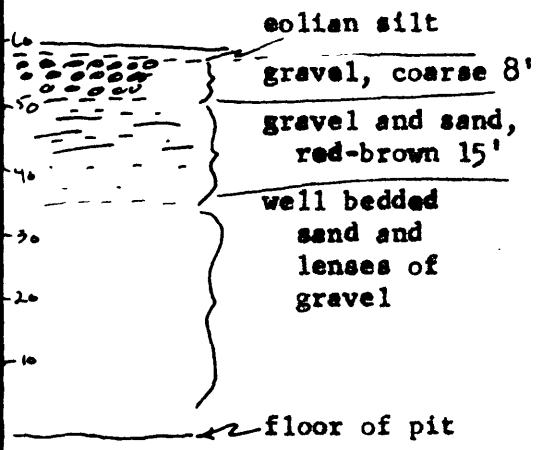
Soil development 2'+ eolian silt mantle Soil Color buff

Oxidation or staining some Leaching yes

Secondary deposition little Reactive matter none seen

Rock type	
Triassic sandstone	56
Quartzite	17
Gneiss	12
Schist	6
Pegmatite	5
Basalt	3
Granite	1

Section: East wall of pit 61'



General Description: West wall of pit only 15-20' high but shows evidence of collapsed bedding. Few oversize cobbles and boulders in pit.

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 12, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R24

Location: County Tolland Town Bolton Pit x Active ___ Inactive

Road location 2500' E. of Bolton Rd. 500' N. of Rt. 6 Coordinates 679,500 E. 347,500 N.

Geologic unit or occurrence outwash or kame terrace

Textural description sand and gravel (reddish brown) Eng. Soil Type SW

Dimensions of deposit: Areal extent 3000' x 1500' Estimated thickness 50'

Dimensions of pit: Areal extent 500' x 1000' Exposed thickness 20'

Lithologic composition (approximate %) 35% sandstone; 25% gneiss; 25% quartzite

Grain size: Maximum 2' Mean 1" Est. % of sand 90 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian silt mantle Soil color buff

Oxidation or staining some Leaching yes

Secondary deposition little Reactive matter none seen

Rock type	
Triassic sandstone	
and conglomerate	36
Gneiss	27
Quartzite	24
Schist	5
Pegmatite	5
Basalt	3

Section: slumped. Generally stratified, reddish brown sand and gravel.

General Description: This is actually two large double pits joined together--both are nearly exhausted; western one has been bulldozed nearly flat; eastern one is used by Connecticut Highway Dept. for equipment storage.

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 12, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R25

Location: County Tolland Town Tolland Pit x Active ___ Inactive

Road location 1000 SW. Mile Hill Rd. 200' S. Fish and Game Rd. Coordinates 367,800 N. 689,000 E.

Geologic unit or occurrence kame terrace

Textural description sand Eng. Soil Type SW

Dimensions of deposit: Areal extent 1500' x 1000' Estimated thickness 40'

Dimensions of pit: Areal extent 250' x 400' Exposed thickness 15'

Lithologic composition (approximate %) 55% sandstone; 25% quartzite; 20% gneiss

Grain size: Maximum 2' Mean 0.5" Est. % of sand 80 Est. % fines 10

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian silt veneer Soil Color buff

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition little Reactive matter none seen

Rock type	
Triassic sandstone	54
Quartzite	24
Gneiss	18
Basalt	2
Schist	2

Section: not exposed; pit now used as a pistol and a rifle range. Dug holes show horizontally bedded sand with thin lenses of fine gravel.

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 12, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R26

Location: County Tolland Town Tolland Pit x Active ___ Inactive

Road location 1000' SW. of Mile Hill Rd. 300' N of Fish and Game Rd. Coordinates 368,400 N. 688,800 E.

Geologic unit or occurrence kame terrace

Textural description sand and gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 3000' x 1000' Estimated thickness 100'

Dimensions of pit: Areal extent 100' x 200' Exposed thickness 15'

Lithologic composition (approximate %) 55% sandstone; 25 % quartzite; 20% gneiss

Grain size: Maximum 1' Mean 1" Est. % of sand 80 Est. % fines 10

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching yes/leached

Secondary deposition little Reactive matter none seen

Rock type	
Triassic sandstone, conglomerate	53
Quartzite	26
Gneiss	19
Pegmatite	2

Section: only small exposure but it shows well bedded sand and gravel lenses which are highly faulted. Most of pit has been bulldozed over.

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 12, 1968 PROJECT Comm. Coop.

Field and megascopic observations:

Station number R27

Location: County Tolland Town Vernon Pit x Active ___ Inactive

1500' W. of Mile Hill Rd. 368,500 N.

Road location 500' N. of Fish and Game Rd. Coordinates 688,200 E.

Geologic unit or occurrence kame terrace

Textural description gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 3000' x 1000' Estimated thickness 100'

Dimensions of pit: Areal extent 500' x 400' Exposed thickness 40'

Lithologic composition (approximate %) 65% sandstone; 20% quartzite

Grain size: Maximum 12' Mean 2" Est. % of sand 60 Est. % fines 5

Rounding well rounded Grading fair Sorting poor to good

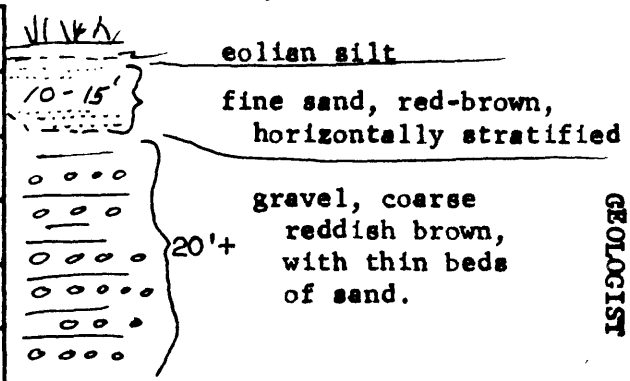
Soil development 1-2' eolian silt Soil Color buff

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition little Reactive matter none seen

Rock type	
Triassic sandstone, conglomerate	63
Quartzite	19
Schist	6
Gneiss	5
Granite	4
Pegmatite	2
Basalt	1

Section:



General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 12, 1968 PROJECT Conn.Coop.

Field and megascopic observations:

Station number R28

Location: County Tolland Town Tolland Pit x Active ___ Inactive

Road location 2500' S. of Wilbur Cross Hwy. 400' W. of Reed Rd. Coordinates 692,000 E. 370,000 N.

Geologic unit or occurrence kame terrace

Textural description gravel Eng. Soil Type SW-GW

Dimensions of deposit: Areal extent 3000' x 1000' Estimated thickness 100'

Dimensions of pit: Areal extent 500' x 300' Exposed thickness 30'

Lithologic composition (approximate %) 50% sandstone; 25% gneiss; 10% quartzite

Grain size: Maximum 2' Mean 1" Est. % of sand 70 Est. % fines 5

Rounding well rounded Grading fair Sorting poor to good

Soil development 1-3" eolian silt Soil Color buff

Oxidation or staining some Leaching yes leached

Secondary deposition little Reactive matter none seen

Section: pit bulldozed into heaps; no fresh exposures.

Rock type	
Triassic sandstone, conglomerate	49
Gneiss	27
Quartzite	9
Schist	6
Granite	5
Basalt	4

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 12, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R29

Location: County Tolland Town Tolland Pit x Active ___ Inactive

Road location 2000' NW. of Reed Rd. 500' SE. of Loehr Rd. Coordinates 690,500 E. 371,000 N.

Geologic unit or occurrence ice contact stratified drift

Textural description sand and gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 500' Estimated thickness 45'

Dimensions of pit: Areal extent 150' x 100' Exposed thickness 35'

Lithologic composition (approximate %) 75% sandstone; 10% quartzite; 10% gneiss

Grain size: Maximum 6" Mean 1" Est. % of sand 90 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

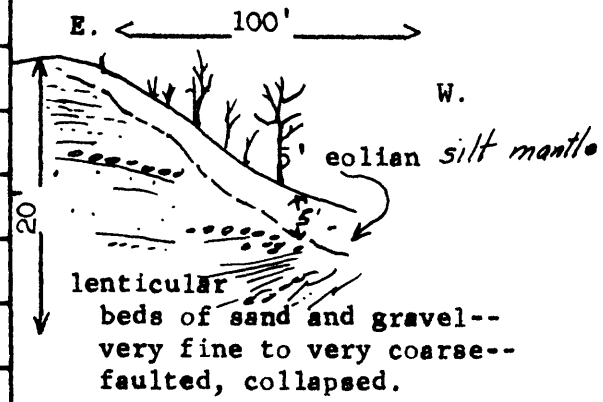
Soil development 2-5' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone, conglomerate	77
Quartzite	11
Gneiss	9
Pegmatite	3

Section:



General Description:

QUADRANGLE Rockville Connecticut STATE

GEOLOGIST R. B. Colton

DATE August 12, 1968

PROJECT Conn.Coop.

Field and megascopic observations:

Station number R30

Location: County Tolland Town Vernon Pit ___ Active / x Inactive

Road location 500' N. of Loehr Rd. / 500' S. of Wilbur Cross Hwy. Coordinates 371,800 N. / 688,000 E.

Geologic unit or occurrence kame terrace

Textural description sand, reddish brown Eng. Soil Type SW

Dimensions of deposit: Areal extent 500' x 1000' Estimated thickness 50'

Dimensions of pit: Areal extent 50' x 100' Exposed thickness 20'

Lithologic composition (approximate %) 55% sandstone; 20% gneiss; 15% quartzite

Grain size: Maximum 6' Mean 1" Est. % of sand 80 Est. % fines 10

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian silt Soil Color buff

Oxidation or staining some Leaching yes leached

Secondary deposition little Reactive matter none seen

Rock type	
Triassic sandstone	55
Gneiss	22
Quartzite	17
Pegmatite	4
Basalt	2

Section: not exposed; pit very old and slumped; dug holes showed horizontally bedded sand.

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 12, 1968 PROJECT Comm. Coop.

Field and megascopic observations:

Station number R31

Location: County Tolland Town Vernon Pit X Active ___ Inactive

1000' SE. of Wilbur Cross Hwy. 686,500 E.

Road location just N of Reservoir Rd. Coordinates 370,500 N.

Geologic unit or occurrence Kame-esker complex

Textural description reddish-brown sand Eng. Soil Type SW

Dimensions of deposit: Areal extent 2000' x 500' Estimated thickness 120'

Dimensions of pit: Areal extent 200' x 250' Exposed thickness 60'

Lithologic composition (approximate %) 60% sandstone; 20% quartzite; 15% gneiss

Grain size: Maximum 1' Mean 1" Est. % of sand 80 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian mantle Soil Color buff

Oxidation or staining some Leaching yes

Secondary deposition little Reactive matter none seen

Section: slumped; dug holes revealed stratified sand and lenses of gravel.

Rock type	
Triassic sandstone, conglomerate	59
Quartzite	18
Gneiss	17
Pegmatite	4
Basalt	2

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 12, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R32

Location: County Tolland Town Vernon Pit x Active / Inactive

1200' S. of Wilbur Cross Hwy. 684,300 E.

Road location just N. of Baker Rd. Coordinates 367,800 N.

Geologic unit or occurrence kame-esker complex

Textural description sand (and gravel) Eng. Soil Type SW-GW

Dimensions of deposit: Areal extent 3000' x 1000' Estimated thickness 120'

Dimensions of pit: Areal extent 100' x 30' Exposed thickness 20'

Lithologic composition (approximate %) 70% sandstone; 15% quartzite

Grain size: Maximum 2' Mean 1" Est. % of sand 70 Est. % fines 10

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' Soil Color buff

Oxidation or staining little Leaching ~~yes~~ leached

Secondary deposition none Reactive matter none

Section: not exposed; slumped.

Rock type	
Triassic sandstone, etc.	69
Quartzite	15
Gneiss	10
Pegmatite	3
Schist	1
Granite	1
Basalt	1

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 12, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R33

Location: County Tolland Town Vernon Pit x Active ___ Inactive

Road location 200' E. of Reservoir Rd. 50' S. of Brandy Hill Rd Coordinates 684,200 E. 364,800 N.

Geologic unit or occurrence ice contact stratified drift

Textural description sand Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 2000' Estimated thickness 40'

Dimensions of pit: Areal extent 50' x 100' Exposed thickness 10'

Lithologic composition (approximate %) 45% sandstone; 20% quartzite; 20% gneiss

Grain size: Maximum 4' Mean 2" Est. % of sand 80 Est. % fines 5

Rounding well rounded Grading poor Sorting fair to good

Soil development 2-3' eolian silt mantle Soil Color buff

Oxidation or staining none seen Leaching ~~yes~~ leached

Secondary deposition none seen Reactive matter none seen

Section: not exposed;

pit very old and overgrown

Rock type	
Triassic sandstone; conglomerate etc.	47
Quartzite	22
Gneiss	18
Basalt	4
Granite	4
Schist	4
Pegmatite	1

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 12, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R34

Location: County Tolland Town Vernon Pit ___ Active x Inactive

Road location 100' E. of Bread and Milk Rd. Coordinates 362,500 N. 682,500 E.
300' S. of Bolton Rd.

Geologic unit or occurrence ice channel filling

Textural description sand (and gravel) Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 300' Estimated thickness 40'

Dimensions of pit: Areal extent 100' x 50' Exposed thickness 20'

Lithologic composition (approximate %) 45% sandstone; 30% gneiss; 20% quartzite

Grain size: Maximum 1' Mean 0.5" Est. % of sand 80 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

Soil development 1' eolian silt cover Soil Color buff

Oxidation or staining some Leaching yes

Secondary deposition little Reactive matter none seen

Section: not exposed;

pit old, slumped.

Rock type	
Triassic sandstone, conglomerate, etc.	46
Quartzite	19
Gneiss	28
Pegmatite	3
Basalt	2
Granite	1
Unknown	1

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 13, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R35

Location: County Tolland Town Vernon Pit X Active / Inactive

Road location 1000' SE. of Wilbur Cross Hwy. 500' SW. of Bolton Rd. Coordinates 679,500 E. 364,300 N.

Geologic unit or occurrence ice contact stratified drift

Textural description reddish-brown sand (and gravel) Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 2000' Estimated thickness 50'

Dimensions of pit: Areal extent 200' x 100' Exposed thickness 15'

Lithologic composition (approximate %) 50% sandstone; 30% gneiss; 15% quartzite

Grain size: Maximum 1' Mean 0.5" Est. % of sand 90 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian mantle Soil Color buff

Oxidation or staining little Leaching ~~yes~~ leached

Secondary deposition none seen Reactive matter none

Rock type	
Triassic sandstone; conglomerate, etc.	52
Gneiss	28
Quartzite	17
Pegmatite	2
Basalt	1

Section: not exposed; dug holes show horizontal beds of sand containing thin lenses of gravel.

General Description: Pit bulldozed down to gentle slope and overgrown by bushes; some farm machinery stored in area.

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 13, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R36

Location: County Tolland Town Vernon Pit x Active ___ Inactive

Road location 800' W. of Bamforth Rd. / 200' S. of Wilbur Cross Hwy. Coordinates 680,500 E. / 366,400 N.

Geologic unit or occurrence ice contact stratified drift

Textural description reddish-brown sand (and gravel) Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 3000' Estimated thickness 50'

Dimensions of pit: Areal extent 200' x 300' Exposed thickness 30'

Lithologic composition (approximate %) 50% sandstone; 20% quartzite; 25% gneiss

Grain size: Maximum 2' Mean 0.5" Est. % of sand 80 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian silt Soil Color buff

Oxidation or staining little Leaching yes

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone, and conglomerate	51
Quartzite	20
Gneiss	23
Basalt	2
Schist	1
Granite	1
Pegmatite	2

Section: not exposed; pit bulldozed nearly flat; dug holes show fine reddish-brown sand and silt with scattered lenses of gravel, especially near the top of the section.

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 13, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R37

Location: County Tolland Town Vernon Pit ___ Active x Inactive

Road location 800' W. of Tunnel Rd. Coordinates 676,500 E. 363,500 N.

500' S. of Wilbur Cross Hwy.

Geologic unit or occurrence ice contact stratified drift

Textural description Sand (reddish-brown, little gravel) Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 3000' Estimated thickness 40'

Dimensions of pit: Areal extent 100' x 300' Exposed thickness 15'

Lithologic composition (approximate %) 70% sandstone; 10% gneiss; 10% quartzite

Grain size: Maximum 2' Mean 1" Est. % of sand 80 Est. % fines 10

Rounding well rounded Grading poor Sorting well sorted

Soil development 102' eolian silt Soil Color buff

Oxidation or staining little Leaching yes

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	71
Gneiss	12
Pegmatite	5
Quartzite	9
Basalt	3

Section: slumped; pit old and trees 10" in diameter are growing in it. Pit now inaccessible because of houses.

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 13, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R38

Location: County Tolland Town Vernon Pit x? / ? Active / Inactive

Road location 800' W. of Tunnel Rd. / 500' N. of Warren Ave. Coordinates 676,800 E. / 361, 800 N.

Geologic unit or occurrence ice contact stratified drift

Textural description gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 500' x 2000' Estimated thickness 40'

Dimensions of pit: Areal extent 100' x 200' Exposed thickness 10'

Lithologic composition (approximate %) 55% sandstone, 20% quartzite; 15% gneiss

Grain size: Maximum 1' Mean 0.5" Est. % of sand 50 Est. % fines 10

Rounding well rounded Grading fair Sorting poor to good

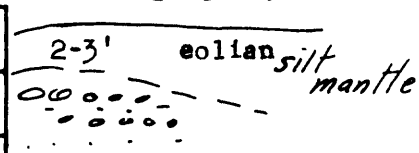
Soil development 2-3' eolian silt and alluvium Soil Color buff

Oxidation or staining little Leaching yes

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone,	
conglomerate, etc.	57
Quartzite	21
Gneiss	15
Pegmatite	4
Schist	2
Basalt	1

Section:



gravel 6'+; reddish brown and horizontally bedded.

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 13, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R39

Location: County Tolland Town Vernon Pit X Active ___ Inactive

Road location 2500' S. of N.Y., N.H. & Hfd. RR 680,200 E. Coordinates 2500' E. of Tunnel Rd. 359,100 N.

Geologic unit or occurrence ice contact stratified drift

Textural description sand Eng. Soil Type SW

Dimensions of deposit: Areal extent 300' x 500' Estimated thickness SW

Dimensions of pit: Areal extent 150' x 100' Exposed thickness 20'

Lithologic composition (approximate %) 65% sandstone; 25% gneiss

Grain size: Maximum 6" Mean 0.5" Est. % of sand 90 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

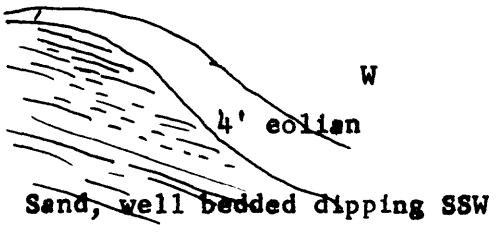
Soil development 1-4' eolian colluvial mantle Soil Color buff

Oxidation or staining some Leaching yes

Secondary deposition little seen Reactive matter none seen

Rock type	
Triassic sandstone,	
conglomerate	65
Gneiss	23
Quartzite	8
Granite	2
Basalt	1
Pegmatite	1

Section:



General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 13, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R40

Location: County Tolland Town Vernon Pit x Active ___ Inactive

Road location 1200' E. of Lake St. 1000' SE. of Tunnel Rd. Coordinates 677,500 E. 356,500 N.

Geologic unit or occurrence kame or ice contact stratified drift

Textural description sand (and gravel) Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 1000' Estimated thickness 30-50'

Dimensions of pit: Areal extent 300' x 400' Exposed thickness 20'

Lithologic composition (approximate %) 65% sandstone; 15% gneiss; 10% quartzite

Grain size: Maximum 4' Mean 1" Est. % of sand 70 Est. % fines 10

Rounding well rounded Grading fair to poor Sorting poor to good

Soil development 1-2' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition little Reactive matter none seen

Rock type	
Triassic sandstone	67
Gneiss	15
Quartzite	13
Pegmatite	4
Schist	1

Section: mostly slumped; small exposures show much faulted and steeply dipping beds of sand and gravel.

General Description: Striated bedrock near floor of pit.

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 13, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R41

Location: County Tolland Town Vernon Pit ___ Active / x Inactive

Road location 1750' N. of Taylor St. 400-1200' E. of Elm Hill Rd Coordinates 671,000 E. 358,400 N.

Geologic unit or occurrence ice contact stratified drift

Textural description gravel, sandy Eng. Soil Type SW

Dimensions of deposit: Areal extent 2000' x 1000' Estimated thickness 100'

Dimensions of pit: Areal extent 800' x 200' Exposed thickness 30'

Lithologic composition (approximate %) 70% sandstone, 15% quartzite

Grain size: Maximum 3' Mean 1" Est. % of sand 80 Est. % fines 10

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian silt mantle Soil Color buff

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition none Reactive matter none

Rock type	
Triassic sandstone;	
conglomerate	72
Quartzite	14
Gneiss	12
Pegmatite	1
Basalt	1

Section: slumped; this is a very long, narrow pit with lateral cuts.

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 13, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R42

Location: County Hartford Town Manchester Pit x Active ___ Inactive

Road location 1000' E. of Vernon St. 1000' S. of Taylor St. Coordinates 671,500 E. 356,000 N.

Geologic unit or occurrence esker

Textural description Sand Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 200' Estimated thickness 40'

Dimensions of pit: Areal extent 400' x 200' Exposed thickness 20'

Lithologic composition (approximate %) 50% sandstone; 25% quartzite; 15% gneiss

Grain size: Maximum 1' Mean 0.1" Est. % of sand 85 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

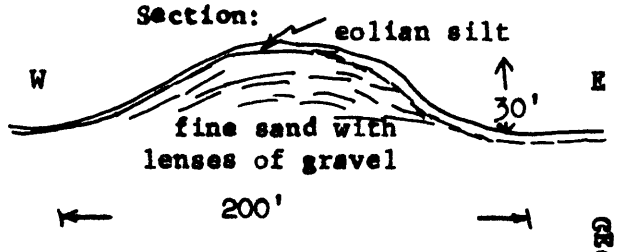
Soil development 1' eolian silt Soil Color light brown

Oxidation or staining little Leaching yes

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	50
Quartzite	27
Gneiss	16
Pegmatite	6
Basalt	1

Section:



Exposures show well bedded, southward dipping beds of sand with lenses of gravel.

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 13, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R43

Location: County Tolland Town Vernon Pit X Active ___ Inactive

Road location 1500' N. of Wilbur Cross. Hwy. 300' W. of Rt. 83 Coordinates 668,500 E. 362,500 N.

Geologic unit or occurrence ice contact stratified drift

Textural description sand and gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 500' Estimated thickness 40'

Dimensions of pit: Areal extent 300' x 100' Exposed thickness 20'

Lithologic composition (approximate %) 75% sandstone; 10% gneiss; 10% quartzite

Grain size: Maximum 2' Mean 1" Est. % of sand 70 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian Soil Color buff

Oxidation or staining little Leaching yes

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	76
Gneiss	11
Quartzite	9
Pegmatite	2
Granite	1
Basalt	1

Section: not exposed; pit slopes bulldozed to low grades

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 14, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R44

Location: County Tolland Town Vernon Pit ___ Active x Inactive

Road location 3700' NW. of Rt. 30 / 800' W. of Rt. 83 Coordinates 669,500 E. / 365,600 N.

Geologic unit or occurrence ice contact stratified drift

Textural description reddish-brown gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 1000' x 2000' Estimated thickness 40'

Dimensions of pit: Areal extent 300' x 400' Exposed thickness 25'

Lithologic composition (approximate %) 75% sandstone; 10% quartzite; 5% gneiss

Grain size: Maximum 12' Mean 2" Est. % of sand 60 Est. % fines 5

Rounding well rounded Grading fair to poor Sorting poor to well sorted

Soil development 2' eolian silt mantle Soil Color buff

Oxidation or staining little Leaching ~~yes~~ leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	76
Quartzite	12
Gneiss	7
Basalt	3
Granite	2

Section: not exposed; pit old, slumped and partly filled with trash, old autos, etc. A few trees 4" in diameter now growing in pit. Many boulders left in pit.

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 14, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R45

Location: County Tolland Town Vernon Pit x Active / Inactive

Road location 2800' S. of Dart Hill Rd. 200' E. of Rt. 83 Coordinates 671,500 E. 368,000 N.

Geologic unit or occurrence till

Textural description till Eng. Soil Type GC

Dimensions of deposit: Areal extent 400' x 600' Estimated thickness 30-60'

Dimensions of pit: Areal extent 100' x 200' Exposed thickness 15'

Lithologic composition (approximate %) 75% sandstone; 15% quartzite; 10% gneiss

Grain size: Maximum 4' Mean 2" Est. % of sand 60 Est. % fines 15

Rounding angular to subrounding Sorting well graded Sorting non sorted

Soil development 1' eolian silt mantle Soil Color buff

Oxidation or staining little Leaching leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	73
Quartzite	17
Gneiss	8
Granite	1
Basalt	1

Section:

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 14, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R46

Location: County Tolland Town Vernon Pit x Active ___ Inactive

Road location 1500' SW. of Center Rd. 2000' E. of Rt. 83 Coordinates 673,500 E. 368,000 N.

Geologic unit or occurrence till

Textural description reddish-brown till Eng. Soil Type GC

Dimensions of deposit: Areal extent 4000' x 3000' Estimated thickness 100'

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

Lithologic composition (approximate %) 80% sandstone; 10% quartzite

Grain size: Maximum 2' Mean 2" Est. % of sand 70 Est. % fines 10

Rounding angular to well rounded Grading fair to good Sorting non sorted

Soil development 2-3' eolian colluvial mantle Soil Color buff

Oxidation or staining little Leaching --

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	81
Quartzite	9
Gneiss	6
Basalt	3
Amphibolite	1

Section: all fissile, layered, stony till.

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 14, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R47

Location: County Tolland Town Vernon Pit x Active ___ Inactive

Road location 2500' SE. of Rt. 83 / 1000' W. of Center Rd. Coordinates 674,200 E. / 368,000 N.

Geologic unit or occurrence ice contact stratified drift and till

Textural description gravel (till in E. 1/2 of pit) Eng. Soil Type GW-GC

Dimensions of deposit: Areal extent 1500' x 900' Estimated thickness 40'+

Dimensions of pit: Areal extent 500' x 800' Exposed thickness 25'

Lithologic composition (approximate %) 85% sandstone; 10% quartzite

Grain size: Maximum 6' Mean 2" Est. % of sand 70 Est. % fines 5

Rounding well rounded to angular Grading fair to poor Sorting poor to well sorted

Soil development 2' eolian Soil Color buff

Oxidation or staining little Leaching yes/leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	83
Quartzite	9
Gneiss	7
Granite	1

Section: slumped and bulldozed; till exposed in eastern half of pit and rudely stratified poorly sorted gravel is exposed in western half of pit.

General Description:

QUADRANGLE Rockville Connecticut STATE

GEOLOGIST R. B. Colton

DATE August 14, 1968

PROJECT Comm. Coop.

Field and megascopic observations:

Station number R48

Location: County Tolland Town Vernon Pit x Active ___ Inactive

Road location 2800' SE. of Rt. 83 / 3000' NW. of Rt. 30 Coordinates 674,000 E. / 367,000 N.

Geologic unit or occurrence ice contact stratified drift and outwash

Textural description sand (and gravel) Eng. Soil Type SW

Dimensions of deposit: Areal extent 2000' x 500' Estimated thickness 40'

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

Lithologic composition (approximate %) 80% sandstone; 15% gneiss

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

Rounding well rounded Grading poor Sorting well sorted

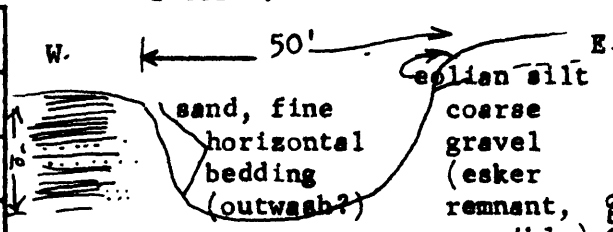
Soil development 2' eolian silt Soil Color buff

Oxidation or staining none seen Leaching yes/leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	81
Gneiss	13
Quartzite	6

Section:



General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 14, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R49

Location: County Tolland Town Vernon Pit x Active ___ Inactive

Road location 1000' NW. of Rt. 30, 700' E. of East St. Coordinates 687,300 E. 375,800 N.

Geologic unit or occurrence outwash

Textural description sand and gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 6000' x 4000' Estimated thickness 50'

Dimensions of pit: Areal extent 1000' x 400' Exposed thickness 15'

Lithologic composition (approximate %) 75% sandstone; 15% quartzite; 10% gneiss

Grain size: Maximum 3' Mean 1" Est. % of sand 80 Est. % fines 5

Rounding well rounded Grading fair to poor Sorting well sorted

Soil development 1-2' eolian silt mantle Soil Color buff

Oxidation or staining little Leaching ~~yes~~ leached

Secondary deposition none seen Reactive matter none seen

Section: not exposed; most of pit now a baseball diamond or a parking lot.

Rock type	
Triassic sandstone	74
Quartzite	14
Gneiss	10
Pegmatite	1
Granite	1

General Description:

QUADRANGLE Rockville Connecticut STATE

GEOLOGIST R. B. Colton

DATE August 14, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R50

Location: County Tolland Town Tolland Pit ___ Active x Inactive

Road location 2200' E. of East St. 500' N. of Rt. 30 Coordinates 688,800 E. 376,000 N.

Geologic unit or occurrence outwash

Textural description gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 5000' x 2000' Estimated thickness 50'

Dimensions of pit: Areal extent 350' x 200' Exposed thickness 20'

Lithologic composition (approximate %) 70% sandstone; 15% gneiss; 15% quartzite

Grain size: Maximum 1' Mean 1" Est. % of sand 70 Est. % fines 10

Rounding well rounded Grading poor Sorting well sorted

Soil development 1' eolian silt Soil Color buff

Oxidation or staining little Leaching ~~yes~~ leached

Secondary deposition none seen Reactive matter none seen

Section: not exposed;

4" trees growing in pit.

Rock type	
Grissic sandstone	68
Gneiss	16
Quartzite	15
Granite	1

General Description:

QUADRANGLE Rockville Connecticut STATE

GEOLOGIST R. B. Colton

DATE August 14, 1968

PROJECT Comm. Coop.

Field and megascopic observations:

Station number R51

Location: County Tolland Town Tolland Pit x Active ___ Inactive

Road location 3500' E. of East St. 300' N. of Rt. 30 Coordinates 690,000 E. 376,500 N.

Geologic unit or occurrence kame

Textural description sand (and gravel) Eng. Soil Type SW

Dimensions of deposit: Areal extent 1500' x 800' Estimated thickness 70'

Dimensions of pit: Areal extent 400' x 800' Exposed thickness 40'

Lithologic composition (approximate %) 65% sandstone; 20% gneiss; 15% quartzite

Grain size: Maximum 12' Mean 2" Est. % of sand 85 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-3' eolian silt mantle Soil Color light yellowish brown

Oxidation or staining little Leaching ~~none~~ leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	65
Gneiss	20
Quartzite	13
Pegmatite	2

Section: well bedded, horizontal, crossbedded, light-reddish-brown sand in part containing lenses of gravel.

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 14, 1958 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R52

Location: County Tolland Town Andover Pit x Active ___ Inactive

Road location 2800' S. of Hendee Rd. 1800' E. of U.S. Rt. 6 Coordinates 334,700 N. 698,300 E.

Geologic unit or occurrence kame terrace

Textural description gravel and sand Eng. Soil Type SW

Dimensions of deposit: Areal extent 1500' x 700' Estimated thickness 40'

Dimensions of pit: Areal extent 200' x 400' Exposed thickness 15'

Lithologic composition (approximate %) 40% gneiss; 25% quartzite; 20% sandstone

Grain size: Maximum 2' Mean 1" Est. % of sand 75 Est. % fines 5

Rounding well rounded Grading fair to poor Sorting well sorted

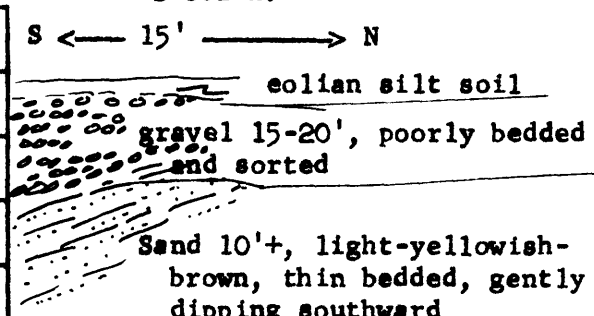
Soil development 1' eolian silt mantle Soil Color buff

Oxidation or staining little Leaching ~~yes~~ leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Gneiss	42
Quartzite	23
Triassic sandstone	19
Amphibolite	6
Schist	4
Pegmatite	3
Granite	3

Section:



General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 15, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R53

Location: County Tolland Town Andover Pit ___ Active x Inactive

Road location 1000' S. of Hendee Rd. 1600' E. of U.S. Rt. 6 Coordinates 697,200 E. 336,200 N

Geologic unit or occurrence Hop River Alluvium

Textural description gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 4000'+ x 2000' Estimated thickness 15'+

Dimensions of pit: Areal extent 200' x 300' Exposed thickness 5'

Lithologic composition (approximate %) 40% gneiss; 25% quartzite; 20% sandstone

Grain size: Maximum 1' Mean 1" Est. % of sand 60 Est. % fines 5

Rounding well rounded Grading poor to fair Sorting poor to good

Soil development 1' eolian silt mantle Soil Color brown

Oxidation or staining some Leaching leached

Secondary deposition none seen Reactive matter none seen

Section: not exposed; pit flattened by bulldozing and 100% overgrown by weeds

Rock type	
Gneiss	40
Quartzite	26
Triassic sandstone	20
Schist	5
Pegmatite	4
Amphibolite	3
Granite	2

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 15, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R54

Location: County Tolland Town Bolton Pit ___ Active x Inactive

Road location 600' W. of Birch Mtn. Rd. 700' NE. of Camp Meeting Rd. Coordinates 340,500 N. 680,000 E.

Geologic unit or occurrence kame terrace

Textural description gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 300' x 600' Estimated thickness 30'

Dimensions of pit: Areal extent 100' x 300' Exposed thickness 15'

Lithologic composition (approximate %) 40% sandstone; 25% gneiss; 25% quartzite

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

Rounding well Grading fair Sorting poor

Soil development 1-2' eolian silt mantle Soil color buff

Oxidation or staining some Leaching yes

Secondary deposition little Reactive matter none

Section: not exposed; pit very old and trees 6" in diameter are growing in it.

Rock type	
Triassic sandstone	39
Gneiss	26
Quartzite	23
Basalt	5
Pegmatite	3
Amphibolite	2
Schist	2

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 15, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R55

Location: County Tolland Town Vernon Pit ___ Active x Inactive

Road location 1800' N. of Hatch Hill Rd. 100' E. of Brandy Hill Rd. Coordinates 362,500 N. 685,500 E.

Geologic unit or occurrence till

Textural description till Eng. Soil Type GC

Dimensions of deposit: Areal extent 2000' x 3000' Estimated thickness 20'+

Dimensions of pit: Areal extent 100' x 250' Exposed thickness 10'

Lithologic composition (approximate %) 45% schist; 20% gneiss; 15% sandstone

Grain size: Maximum angular to 15' Mean 6" Est. % of sand 60 Est. % fines 10

Rounding subrounded Grading fair Sorting nonsorted

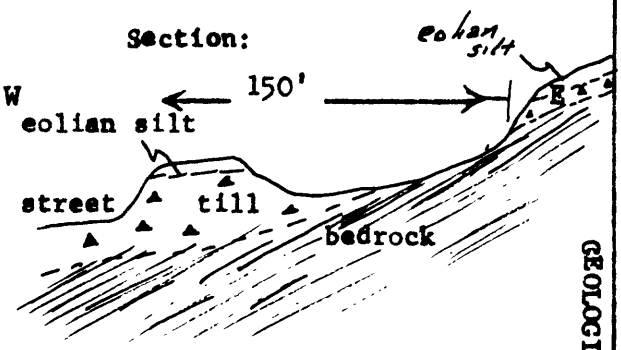
Soil development 2' eolian silt mantle Soil Color buff

Oxidation or staining little Leaching leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Schist	47
Gneiss	19
Triassic sandstone	17
Quartzite	13
Pegmatite	2
Granite	2

Section:



General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 15, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R56

Location: County Tolland Town Tolland Pit x Active ___ Inactive

Road location 1800' SW. of Mile Hill Rd. 500' W. of Wagner Rd. Coordinates 690,000 E. 365,500 N.

Geologic unit or occurrence kame terrace

Textural description sand Eng. Soil Type SW

Dimensions of deposit: Areal extent 2000' x 500' Estimated thickness 40'

Dimensions of pit: Areal extent 200' x 150' Exposed thickness 15'

Lithologic composition (approximate %) 45% sandstone; 25% gneiss; 15% quartzite

Grain size: Maximum 3' Mean 1" Est. % of sand 90 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

Soil development 2' eolian silt mantle Soil Color buff

Oxidation or staining little Leaching ~~yes~~ leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	46
Gneiss	25
Quartzite	17
Granite	4
Pegmatite	4
Schist	2
Basalt	2

Section: 2-3' eolian silt mantle. Sand, light-reddish-brown, horizontally thin bedded with thin scattered lenses of fine gravel; faulted.

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 15, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R57

Location: County Tolland Town Tolland Pit ___ Active x Inactive

700' W. of Wagner Rd. 690,400 E.

Road location 1000' SW. of Mile Hill Rd. Coordinates 366,300 N.

Geologic unit or occurrence gravel--kame terrace

Textural description gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 200' x 400' Estimated thickness 30'

Dimensions of pit: Areal extent 100' x 200' Exposed thickness 15'

Lithologic composition (approximate %) 45% sandstone; 30% gneiss; 15% quartzite

Grain size: Maximum 2' Mean 1" Est. % of sand 80 Est. % fines 5

Rounding well Grading poor Sorting well sorted

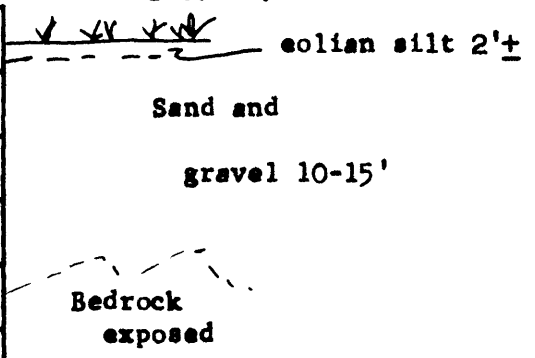
Soil development 2' eolian Soil Color buff

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition little Reactive matter none seen

Rock type	
Triassic sandstone	47
Gneiss	31
Quartzite	16
Basalt	4
Granite	1
Schist	1

Section:



General Description: Pit has 4" trees growing in it and is located in power line right-of-way.

QUADRANGLE Rockville Connecticut

STATE

GEOLOGIST R. B. Colton

DATE August 15, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R58

Location: County Tolland Town Tolland Pit x Active ___ Inactive

Road location 3500' E. of East St. 100' N. of Rt. 74 Coordinates 377,500 N. 690,000 E.

Geologic unit or occurrence kame -- ice contact stratified drift

Textural description sand Eng. Soil Type SW

Dimensions of deposit: Areal extent 1500' x 800' Estimated thickness 70'

Dimensions of pit: Areal extent 180' x 135' Exposed thickness 30'

Lithologic composition (approximate %) 60% sandstone; 25% quartzite; 10% gneiss

Grain size: Maximum 4' Mean 1" Est. % of sand 80 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

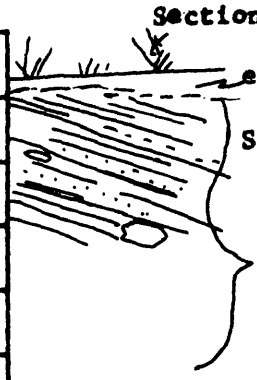
Soil development 2-3' eolian silt veneer Soil Color buff

Oxidation or staining none seen Leaching ~~yes~~ leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	61
Quartzite	23
Gneiss	10
Amphibolite	2
Granite	2
Basalt	2

Section:



General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 15, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R59

Location: County Tolland Town Vernon Pit Active x Inactive

Road location 800' W. of Rt. 83 / 100' N. of Dart Hill Rd. Coordinates 671,600 E. / 370,900 N.

Geologic unit or occurrence ice contact stratified drift

Textural description gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 1000' x 3000' Estimated thickness 40'

Dimensions of pit: Areal extent 500' x 150' Exposed thickness 15'

Lithologic composition (approximate %) 70% sandstone; 15% quartzite; 10% gneiss

Grain size: Maximum 1' Mean 1" Est. % of sand 60 Est. % fines 10

Rounding well rounded Grading poor Sorting fair

Soil development 1-2' eolian mantle Soil Color buff

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition some Reactive matter none seen

Section: not exposed;

2" trees growing in pit.

Rock type	
Triassic sandstone	70
Quartzite	14
Gneiss	9
Basalt	5
Granite	1
Pegmatite	1

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 15, 1968 PROJECT Comm. Coop.

Field and megascopic observations:

Station number R60

Location: County Tolland Town Vernon Pit x Active / Inactive

Road location 1000' N. of Dart Hill Rd. 600' W. of Rt. 83 Coordinates 671,500 E. 372,000 N.

Geologic unit or occurrence ice contact stratified drift

Textural description gravel Eng. Soil Type SW-GW

Dimensions of deposit: Areal extent 1000' x 3000' Estimated thickness 40'

Dimensions of pit: Areal extent 350' x 250' Exposed thickness 25'

Lithologic composition (approximate %) 90% sandstone; 5% quartzite

Grain size: Maximum 3' Mean 6" Est. % of sand 70 Est. % fines 5

Rounding well rounded Grading fair to poor Sorting well sorted

Soil development 1-2' eolian silt Soil Color buff

Oxidation or staining some Leaching yes leached

Secondary deposition little Reactive matter none seen

Section: not exposed; pit pit slumped and trees 4" in diameter growing in it.

Rock type	
Triassic sandstone	89
Quartzite	7
Granite	2
Gneiss	1
Basalt	1

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 15, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R61

Location: County Hartford Town Ellington Pit x Active ___ Inactive

Road location 1500' N. of Rt. 74 100' W. of N.Y., N.H. and Hrd. R.R. Coordinates 671,700 E. 378,000 N.

Geologic unit or occurrence ice contact stratified drift

Textural description sand Eng. Soil Type SW

Dimensions of deposit: Areal extent 2000' x 500' Estimated thickness 30'

Dimensions of pit: Areal extent 50' x 100' Exposed thickness 15'

Lithologic composition (approximate %) 70% sandstone; 20% gneiss

Grain size: Maximum 2' Mean 2" Est. % of sand 70 Est. % fines 10

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian silt Soil Color buff

Oxidation or staining little Leaching yes leached

Secondary deposition some Reactive matter none seen

Rock type	
Triassic sandstone	68
Gneiss	18
Quartzite	12
Pegmatite	1
Schist	1

Section: not exposed; slumped; dug holes reveal faulted, contorted tilted beds; several flow till beds seen in dug holes.

General Description: Pit 200' to north now a dump.

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 15, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R62

Location: County Hartford Town Ellington Pit x Active ___ Inactive

Road location 1200' NE. of Windermere Ave. 1500' W. of Rt. 83 Coordinates 676,300 E. 379,400 N.

Geologic unit or occurrence probably outwash

Textural description gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 2000' x 1000' Estimated thickness 30'

Dimensions of pit: Areal extent 400' x 100' Exposed thickness 15'

Lithologic composition (approximate %) 65% sandstone; 20% gneiss; 10% quartzite

Grain size: Maximum 1' Mean 1" Est. % of sand 75 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

Soil development 1-2' eolian soil mantle Soil Color buff

Oxidation or staining little Leaching ~~yes~~ leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	66
Gneiss	21
Quartzite	10
Pegmatite	3

Section: not exposed; pit old, almost completely grassed over and 50% covered by trash, old cars, trucks, etc.; trees (a few) 4" in diameter growing in pit.

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 16, 1968

PROJECT Conn. Coop.

Field and megascopic observations:

Station number R63

Location: County Tolland Town Vernon Pit x Active ___ Inactive

Road location 100' W. of West St. 100' S. of Regan St. Coordinates 376,300 N. 677,200 E.

Geologic unit or occurrence ice contact stratified drift--kame

Textural description sand and gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 1500' x 1500' Estimated thickness 80'

Dimensions of pit: Areal extent 200' x 300' Exposed thickness 30'

Lithologic composition (approximate %) 60% sandstone; 15% gneiss; 12% quartzite; 10% pegmatite

Grain size: Maximum 1' Mean 1" Est. % of sand 80 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

Soil development not seen Color unknown

Oxidation or staining some Leaching ~~yes~~ leached

Secondary deposition some Reactive matter none seen

Rock type	
Triassic sandstone	62
Gneiss	13
Quartzite	12
Pegmatite	8
Basalt	3
Amphibolite	2

Section: not exposed; pit slopes bulldozed over. Dugholes show horizontally stratified beds of sand and gravel.

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 16, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R64

Location: County Tolland Town Vernon Pit ___ Active / x Inactive

Road location 1000' S. of Regan Rd. 400' W. of West St. Coordinates 676,500 E. 371,500 N.

Geologic unit or occurrence Till

Textural description till Eng. Soil Type GC

Dimensions of deposit: Areal extent 1000' x 2000' Estimated thickness 50'

Dimensions of pit: Areal extent 150' x 250' Exposed thickness 25'

Lithologic composition (approximate %) 95% sandstone

Grain size: Maximum 2' Mean 1" Est. % of sand 70 Est. % fines 10

Rounding angular to well rounded Grading fair to good Sorting nonsorted

Soil development 2' eolian silt mantle Soil Color light-yellowish-brown

Oxidation or staining some Leaching leached

Secondary deposition none seen Reactive matter none seen

Section: not exposed; area bulldozed to a gentle slope.

Rock type	
Triassic sandstone	94
Quartzite	6

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. E. Colton DATE August 19, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R65

Location: County Tolland Town Vernon Pit x Active ___ Inactive

Road location 400' N. of Rt. 30 500' SW. Dobson St. Coordinates 670,800 E. 362,500 N.

Geologic unit or occurrence ice contact stratified drift

Textural description sand and gravel Eng. Soil Type SW

Dimensions of deposit: Areal extent 1000' x 2000' Estimated thickness 30'

Dimensions of pit: Areal extent 100' x 50' Exposed thickness 10'

Lithologic composition (approximate %) 85% sandstone; 5% gneiss; 5% quartzite

Grain size: Maximum 1' Mean 1" Est. % of sand 70 Est. % fines 5

Rounding well rounded Grading fair Sorting good

Soil development 1-3' eolian silt mantle Soil color buff

Oxidation or staining some Leaching yes leached

Secondary deposition none seen Reactive matter none seen

Rock type	
Triassic sandstone	86
Quartzite	7
Gneiss	5
Pegmatite	2

Section:

Gravel and sand, reddish brown, lenticular, crossbedded, faulted.

General Description:

QUADRANGLE Rockville STATE Connecticut GEOLOGIST R. B. Colton DATE August 19, 1968 PROJECT Conn. Coop.

Field and megascopic observations:

Station number R66

Location: County Tolland Town Tolland Pit x? Active / Inactive

Road location 3000' W. of Mtn. Springs Rd. 1800' S. of Rt. 30 Coordinates 691,700 E. 375,000 N.

Geologic unit or occurrence ice contact stratified drift

Textural description sand (and fine gravel) Eng. Soil Type SW

Dimensions of deposit: Areal extent 200' x 500' Estimated thickness 50'

Dimensions of pit: Areal extent 150' x 15' Exposed thickness 15'

Lithologic composition (approximate %) 35% gneiss; 25% quartzite; 20% sandstone; 10% pegmatite

Grain size: Maximum 1' Mean 1" Est. % of sand 85 Est. % fines 5

Rounding well rounded Grading poor Sorting well sorted

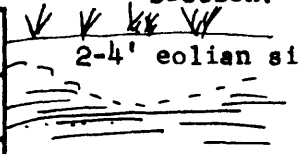
Soil development 2-4' eolian silt mantle Soil Color yellowish orange

Oxidation or staining some Leaching yes

Secondary deposition little Reactive matter none seen

Rock type	
Gneiss	37
Quartzite	23
Triassic sandstone	21
Pegmatite	12
Schist	4
Granite	2
Basalt	1

Section:



2-4' eolian silt, buff

15'+ sand, light-yellowish-gray, well stratified, thin bedded.

General Description:

QUADRANGLE Rockville

STATE Connecticut

GEOLOGIST R. B. Colton

DATE August 23, 1968

PROJECT Conn. Coop.