

Field and megascopic observations:

Station number 1

Location: County Berkshire Town Lansborough Pit X Active
Inactive

Road location Potter Mt. and Churchill St. Coordinates 42°30'N
73°17'W

Geologic unit or occurrence Ice contact stratified drift in kame

Textural description Cobble gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 400'x400' Estimated thickness 20'

Dimensions of pit: Areal extent 200'x200' Exposed thickness 10'-15'

Lithologic composition (approximate %) See below

Grain size: Maximum * 8' Mean 1/16" Est. % of sand 60 Est. % fines 4-5

Rounding Subrounded Grading Well Sorting Fair

Soil development 6"A/2"B Color A Gray brown
B Light-yellowish brown

Oxidation or staining Oxidized to 2-3' Leaching -

Secondary deposition - Reactive matter -

QUADRANGLE

STATE

HANCOCK

MASSACHUSETTS - NEW YORK

R. W. Healey

GEOLOGIST

DATE

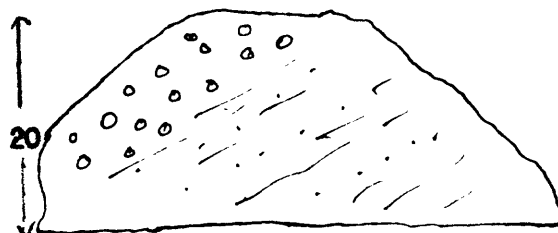
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Rock type	%
Phyllite and schist	46
Quartzite	44
Miscellaneous	10

Section:



Poorly exposed but probably poorly stratified with a hint of inclined bedding.

General Description: Apparently poorly stratified kame with wide variety of rock sizes, and a relative large number of small boulders. Supply of gravel nearly exhausted. Quality poor because of phyllite and fines probably derived from them.

* Fair number of very large boulders.

Field and megascopic observations:

Station number 2

Location: County Berkshire Town Lansborough Pit X ☒ Active ☐ Inactive

Road location Potter Rd. & Churchill St. Coordinates 42°30'N
73°17'W

Geologic unit or occurrence Ice contact stratified drift in kame

Textural description Cobble pebble gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 1000'x400' Estimated thickness 30'

Dimensions of pit: Areal extent 240'x360' Exposed thickness 20'

Lithologic composition (approximate %) 45% phyllite and schist, 45% quartzite,
10% miscellaneous

Grain size: Maximum 5" * Mean 1/16" Est. % of sand 50 Est. % fines 5

Rounding Subrounded Grading Well Sorting Fair

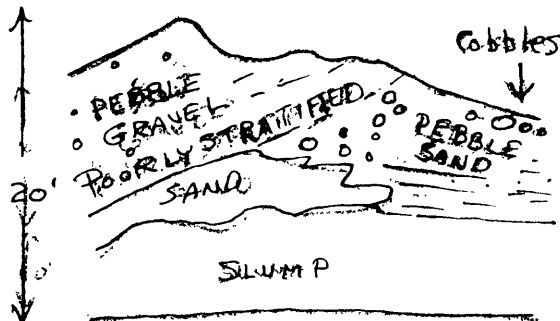
Soil development 6" A 2' B horizon Color A Light brown
B Light-yellowish brown

Oxidation or staining Maximum depth 2-3' Leaching -

Secondary deposition - Reactive matter -

Section:

Rock type	



General Description: Kame with widely divergent grain sizes, and degree of bedding, with collapse features, sand "lenses," slump, and anticlinal bedding. Variable quality because of large percent of phyllite.

* A few large boulders.

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Field and megascopic observations:

Station number 3

Location: County Berkshire Town Lansborough Pit X Active
Inactive

Road location Old Orebed Road Coordinates 42°31'N
73°16'W

Geologic unit or occurrence Ice channel filling

Textural description Boulder gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 1200'x100' Estimated thickness 20'

Dimensions of pit: Areal extent 50x15' Exposed thickness 15'

Lithologic composition (approximate %) See below

Grain size: Maximum 3' Mean 1/16" Est. % of sand 60 Est. % fines 5

Rounding Subrounded Grading Well Sorting Fair

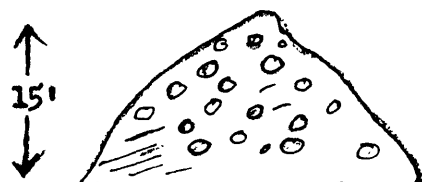
Soil development 5" A 2' B Color A Gray brown
B Brown

Oxidation or staining To about 2-3' Leaching -

Secondary deposition - Reactive matter -

Rock type	%
Phyllite and schist	70
Quartzite	22
Miscellaneous	8

Section:



Poorly stratified partly slumped with faint inclined bedding.

General Description: Small esker obviously with poor-quality gravel, as it has not been much used. Small ore dump ridge nearby probably of better quality.

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Field and megascopic observations:

Station number 4Location: County Berkshire Town Hancock Pit X Active
InactiveRoad location Brodie Mt. & Bailey Rds. Coordinates 42°34'N
73°16'WGeologic unit or occurrence Ice contact stratified drift in kameTextural description Boulder gravel Eng. Soil Type GWDimensions of deposit: Areal extent 3400'x1000' Estimated thickness 25'Dimensions of pit: Areal extent 1000'x250' Exposed thickness 10-15'Lithologic composition (approximate %) See belowGrain size: Maximum 8' Mean 1/16" Est. % of sand 50 Est. % fines 3Rounding Well Grading Well Sorting FairSoil development Removed Color -Oxidation or staining - Leaching -Secondary deposition - Reactive matter Minor amountQUADRANGLE
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Section:

Slumped

Many large impure gray and violet limestone of same type protruding from pit floor.

Rock type	%
Schist	36
Quartzite	22
Mafic, fine grained	36
Miscellaneous	6

General Description: Small amount of coarse gravel remains. Bedrock exposed on pit floor.

Field and megascopic observations:

Station number 5

Location: County Berkshire Town Hancock Pit X Active
Inactive

Road location Jct. Rte. 43 and Brodie Mt. Rd. Coordinates 42°34' N
73°18' W

Geologic unit or occurrence Stream terrace deposit

Textural description Pebble gravel Eng. Soil Type GP

Dimensions of deposit: Areal extent 2000'x2000' Estimated thickness 40'

Dimensions of pit: Areal extent 150x100' Exposed thickness 8'

Lithologic composition (approximate %) See below

Grain size: Maximum 2' Mean 1/16" Est. % of sand 50 Est. % fines 3

Rounding Subrounded Grading Well Sorting Well

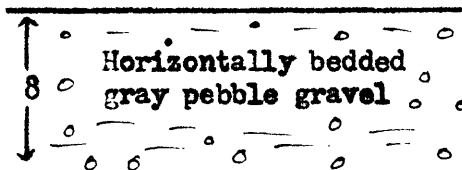
Soil development - Color -

Oxidation or staining - Leaching -

Secondary deposition - Reactive matter -

Section:

Rock type	%
Schist	48
Quartzite	36
Mafic, fine-grained	12
Miscellaneous	4



General Description:

Moderate supply of good-quality gravel easily accessible to main roads.

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