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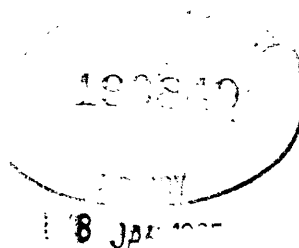
PRELIMINARY MATERIALS MAP, PITTSFIELD WEST
QUADRANGLE, MASSACHUSETTS-NEW YORK

BY
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U.S. Geological Survey.

[*Repts. - open file series no. 763*]

65-75



Field and megascopic observations:

Station number 1
 Location: County Berkshire Town Pittsfield Pit X ☒ Active ☐ Inactive
 Road location Junction Routes 20 and 41 Coordinates 42°26' N. 73° 20' W.

Geologic unit or occurrence alluvial fan
 Textural description pebble gravel Eng. Soil Type CW
 Dimensions of deposit: Areal extent 0.5 x 0.5 undisturbed thickness 10'
 Dimensions of pit: Areal extent 100 x 250 Exposed thickness 5'
 Lithologic composition (approximate %) 85% schist, 5% granite, 5% quartz, 5% quartzite
 Grain size: Maximum 6" Mean 2" Est. % of sand 30' Est. % fines 3
 Rounding well Grading fair-poor Sorting well
 Soil development _____ Color _____
 Oxidation or staining _____ Leaching _____
 Secondary deposition _____ Residue matter _____

Section:

Rock type	

Poor exposure in dozer path on one side. Elsewhere covered with dump debris. Probably overlies till.

General Description: Probable extent and absence of other sources give this exposure some importance.

Pittsfield West
 QUADRANGLE
 Massachusetts
 STATE
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 GEOLOGIST
 September 1964
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Field and megascopic observations:

Station number 2

Location: County Berkshire Town Pittsfield Pit X Active Inactive
On Pittsfield State Park 42°29' N.
 Road location property; 400' west of Coordinates 73°18' W.
entrance

Geologic unit or occurrence alluvial fan

Textural description silty pebble gravel Eng. Soil Type GM

Dimensions of deposit: Areal extent _____ Estimated thickness _____

Dimensions of pit: Areal extent 125' x 150' Exposed thickness 20'

Lithologic composition (approximate %) _____

Grain size: Maximum 24" Mean 1.25" Est. % of sand 10% Est. % fines 40%
 medium lacks sand

Roundness subangular Grading fraction Sorting poor

Soil development angular 8" A, indistinct A₂; A, A₂-10 yr 5/2 dry gr
16" B Color B-10 yr 7/6 very slightly
fines of C horizon: moist No evidence, pit
 Oxidation or staining 10 yr 6/1. Very little Leaching probably not deep
or no staining below B enough

Secondary deposition horizon Reactive matter CaCO₃

Section:

Rock type	Percent
Quartzite	1
Sandstone-conglomerate	3
Schist and amphibolite	83
Quartz	13
Miscellaneous	

General Description: Good exposures north and south ends of pit. 20' of poorly sorted, poorly stratified silty pebble gravel.

Material dump is cohesive, pit walls remain nearly vertical, and sustain overhang even months after being worked.

Field and megascopic observations:

Station number 3Location: County Berkshire Town Pittsfield Pit X Active
Inactive42°29' N.Road location 1100' North of Pecks Road Coordinates 73°16'30" W.Geologic unit or occurrence outwashTextural description silt, sand, pebble gravel mix Eng. Soil Type GMDimensions of deposit: Areal extent 200 Estimated thickness 50'
overallDimensions of pit: Areal extent 200' x 400' Exposed thickness 40'

Lithologic composition (approximate %)

Grain size: Maximum 20" Mean 1" Est. % of sand 30% Est. % fines 20%
angularRounding subangular Grading medium Sorting poor
6" A 10 yr 4/4Soil development 26" B Color 10 yr 6/8Oxidation or staining staining of fines fines of C horizon: 10 yr 6/8
well below B horizon LeachingSecondary deposition Reactive matter CaCO₃

Section:

Rock type	Percent
Quartzite	7
Sandstone-conglomerate	11
Limestone, dolostone marble	26
Schists and amphibolite	55
Quartz	1

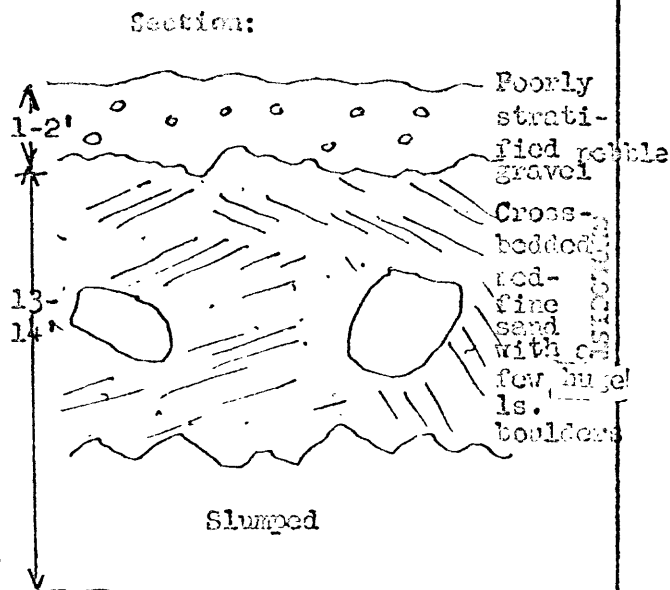
General Description: Many large angular boulders of dolomitic marble.

Possible bedrock exposure (marble) north end of pit. Pit walls are badly slumped and nearly completely vegetated.

Field and megascopic observations:

Station number 4
 Location: County Berkshire Town Pittsfield Pit X Active Inactive
 Road location Hancock and Pecks Roads Coordinates 42°29' N. 73°16' W.
 Geologic unit or occurrence outwash
 Textural description pebble gravel and sand Reg. Soil Type GW SP
 Dimensions of deposit: Areal extent 5000 x 1000' Estimated thickness 30'
 Dimensions of pit: Areal extent 100 x 150' Exposed thickness 15'
 Lithologic composition (approximate %) 40% quartzite, 40% schist, 10% limestone
 Grain size: Maximum 8' Mean 2 mm Est. % of sand 90% Est. % fines T
 Rounding subrounded Grading good to poor Sorting well sorted (sand)
 Soil development 1-2" A horizon Color light yellowish brown
 Oxidation or staining bleaching
 Secondary deposition Reactive matter

Rock type	



General Description: Possible delta-end of outwash deposit discharged into Ontonagon Lake basin. Late torrential deposit on top represents a brief surge of meltwater at the end of the episode. Small inactive pit joins this pit on the north.

Pittsfield West

Massachusetts

G. W. Holmes

November 1964

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Location: County Berkshire Town Pittsfield Pit Inactive
 Off Hancock Road near 42°29' N.
 Road location Pecks Road Coordinates 73°17' W.

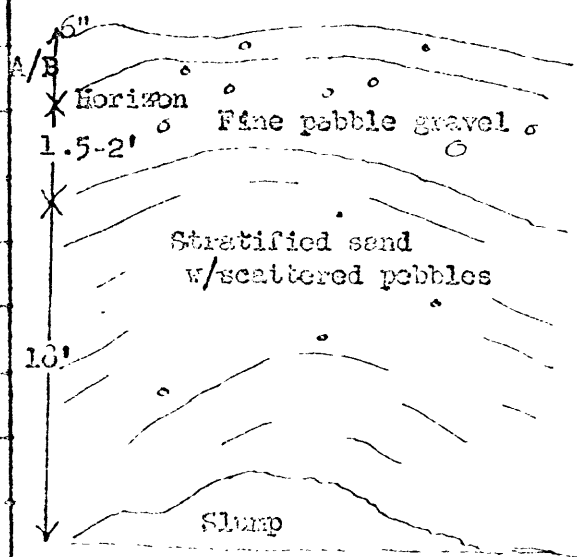
Textural description pebble sand Eng. Soil Type GW

Dimensions of pit: Areal extent (complex of pits) Exposed thickness 20'

Grain size: Maximum 3" Mean 2 mm Est. % of sand 95 Est. % fines 5

Soil development	stripped	Color	light grey
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Secondary deposition

[illegible]

General Description: A complex of interconnecting pits in stratified pebble sand possibly deltaic bedding in places but elsewhere showing anticlinal bedding, collapse and flow structures. Location is approximate as several parts of the deposit are being rapidly enlarged or removed.

Field and megascopic observations:

Station number 6

Location: County Berkshire Town Pittsfield Pit X Active
Between Pecks Road and 42°30' N.
 Road location Churchill Street Coordinates 73°17' W.

Geologic unit or occurrence ice contact stratified drift in kame; and eskerTextural description pebble sand Eng. Soil Type SPDimensions of deposit: Areal extent 4000 x 1800 Estimated thickness 25'Dimensions of pit: Areal extent 300 x 300' Exposed thickness 15'

Lithologic composition (approximate %) _____

Grain size: Maximum 5' Mean 2 mm Est. % of sand 85% Est. % fines TRounding well Grading poor Sorting well sortedSoil development stripped Color light gray

Oxidation or staining _____ Leaching _____

Secondary deposition _____ Reactive matter _____

Section:

No good exposure

Rock type	Percent
Quartzite	30
Limestone-dolostone	23
Schist	35
Igneous, mafic	1
Quartz	7
Arkose	3
Phyllite	1

General Description: A complex of pits in this kame group, and the largest gravel operation in Pittsfield West quadrangle. Suggestion of deltaic bedding in one section. Unusual % of limestone and dolostone. Small silt lenses in places and collapse structures.

Pittsfield West

Massachusetts

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November 1961

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