PRELIMINARY MATERIALS MAP, BERLIN QUADRANGLE
NEW YORK, MASSACHUSETTS AND VERMONT
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65-73
Field and macroscopic observations:
Location: County Berkshire  
Town Williamstown  
Road location: Route 53 1/2 mile north of Hancock town line  
Coordinates: 42°38' N.  73°17' W.

Active: Station number 1
Inactive:  

Geologic unit or occurrence: Delta

Textural description: Cobble gravel (variable)  
Eng. Soil Type: GW

Dimensions of deposit:  
Areal extent: 1500' x 2000'  
Estimated thickness: 40

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

Lithologic composition (approximate %)

Grain size: Maximum 2'  
Mean 2'  
Est. % of sand: 30  
Est. % of fines: 5

Rounding: Medium  
Grading: well

Sorting: medium

Soil development:  
Faint B horizon 1.5'  
Color: Lt. yellowish brown

Oxidation or staining: slight  
Leaching

Secondary deposition: Reactive matter

Section

Rock type %
Quartzite 15
Schist (some quartzitic) 79
Phyllite 2
Quartz 4

General Description: A small delta derived from local materials deposited by a torrential lateral stream which entered glacial Lake Bascom at about the level of the delta top. A better than average source of gravel in this area owing to the low percentage of phyllite.
Field and macroscopic observations:

Station number 2

Location: County, Berkshire. Town, Williamstown. Pit

Active X Inactive

Road location: Oblong road and Rte. 23. Coordinate 73°39' N.

Geologic unit or occurrence: Alluvial fan, possibly a delta-fan

Textural description: Pebble gravel. Eng. Soil Type: GP

Dimensions of deposit: Areal extent 1500 x 1000'. Estimated thickness 25

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

Lithologic composition (approximate %): Schist 80%, quartzite 10%,

Grain size: Maximum 5". Mean 2". Est. % of sand 40. Est. % fines 3

Bounding Grading: Poor. Sorting: Medium

Soil development: Color: Light yellowish brown

Oxidation or staining: Leaching

Secondary deposition: Reactive matter

Section:

Rock type: Slumped

General Description: Large shallow pit of fair quality gravel.

Accessible to major road but in prime farm land.
Field and megascopic observations:

Location: County Berkshire Town Williamstown
Road location: Oehling road 1 mile north
Road location of Sloan Road
Coordinates: 42°41' N. 73°38' W.

Geologic unit or occurrence: Delta

Textural description: Pebble gravel

Dimensions of deposit: Areal extent
Dimensions of pit: Areal extent 100' x 150'
Exposed thickness 15'

Lithologic composition (approximate %):
- 5% miscellaneous
- 85% schist
- 5% quartz, 5% quartzite

Grain size: Maximum 6' Mean 2' Est. % of sand 30 Est. % fines 5

Rounding Medium Grading Poor Sorting Fair

Soil development: 2-3' B horizon
Color: Light yellowish brown

Oxidation or staining: Distinct to CA. 3' depth
Leaching

Secondary deposition: Reactive matter

Section:

Rock type

14'

Distinct delta & level of

Possible stratification:

Fine pebble gravel as foresets

Slumped

General Description: Small distinct delta at level of glacial Lake

Reaches derived from local sources. Average quality gravel, which
is low in this vicinity.