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U. S. Geological Survey:

REPORTS-OPEN FILE SERIES, NO. 787: 1965.

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

For release MARCH 22, 1965

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

1. Preliminary materials map, Otis quadrangle, Massachusetts, by G. William Holmes. 1 map, scale 1:24,000; 6 data sheets. Massachusetts Dept. of Public Works, 100 Nashua St., Boston, Mass.; U. S. Bureau of Public Roads, 31 St. James Ave., Boston, Mass.; USGS, Room 1, 270 Dartmouth St., Boston, Mass. Copy from which reproduction can be made at private expense is available in the last-named office.

✓ 2. Preliminary materials map, Windsor quadrangle, Massachusetts, by G. William Holmes. 1 map, scale 1:24,000; 4 data sheets. Massachusetts Dept. of Public Works, 100 Nashua St., Boston, Mass.; U. S. Bureau of Public Roads, 31 St. James Ave., Boston, Mass.; USGS, Room 1, 270 Dartmouth St., Boston, Mass. Copy from which reproduction can be made at private expense is available in the last-named office.

3. Preliminary surficial geologic map of the Danielson quadrangle, Connecticut, by A. D. Randall. 1 map, scale 1:24,000; 6 tables. Connecticut Geological and Natural History Survey, 303 Judd Hall, Wesleyan University, Middletown, Conn.; USGS, Room 1, 270 Dartmouth St., Boston, Mass. Copy from which reproduction can be made at private expense is available in the Boston office.

4. A field method for the determination of silver in soils and rocks, by H. M. Nakagawa and H. W. Lakin. 13 p., including 3 tables.

* * * * *

Following is the complete title of an open-file report announced on March 3, 1965:

Chemical and modal analyses of the pre-Upper Silurian quartz monzonite and the post-Lower Devonian granodiorite, Attean quadrangle, Somerset County, Maine, by A. L. Albee.

* * * * *

Field and megascopic observations:

Station number 2

Location: County Berkshire Town Adams Pit X Active
Inactive
 Leonard Road off
 Road location Route 116 Coordinates 42°37' N.
73°07' W.

Geologic unit or occurrence ice-contact stratified drift as kame

Textural description pebble sand Eng. Soil Type SP

Dimensions of deposit: Areal extent 1/4 mi. x 1 mi. Estimated thickness 100'

Dimensions of pit: Areal extent 150 x 100 Exposed thickness 25'

Lithologic composition (approximate %) quartzite 80%, granite 20%

Grain size: Maximum 4" Mean 1 mm Est. % of sand 95% Est. % fines T

Rounding well Grading poor Sorting well

Soil development Stripped A horizon
1.0' B horizon Color light yellowish brown

Oxidation or staining To Ca 1.0' Leaching _____

Secondary deposition _____ Reactive matter _____

Section:

Slumped

Rock type	

General Description: Apparently thin pebble sand layer at top overlying stratified sand. In middle of prosperous residential area and hence of limited value.

U.S. Geological Survey
 OPEN FILE MAP

This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

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Windsor
QUADRANGLE

Massachusetts
STATE

G. W. Holmes
GEOLOGIST

November 1964
DATE

Mass. materials
PROJECT

Field and megascopic observations:

Station number 3

Location: County Berkshire Town Adams Pit X Active Inactive
 Near intersection with Leonard Road Coordinates 42°37' N.
73°07' W.

Geologic unit or occurrence ice-contact stratified drift in kame

Textural description cobble gravel and sand Eng. Soil Type SP GW

Dimensions of deposit: Areal extent 1/4 mi. x 1 mi. Estimated thickness 100'

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

Lithologic composition (approximate %) gneiss 20%, quartzite 80%

Grain size: Maximum 4' Mean 2 mm Est. % of sand 80% Est. % fines T

Rounding well Grading well/poor Sorting poor/well

Soil development 0.5' A horizon
1.0' B horizon Color yellow

Oxidation or staining To 1.5' Leaching _____

Secondary deposition _____ Reactive matter _____

QUADRANGLE Windsor
 STATE Massachusetts
 GEOLOGICIST G. W. Holmes
 DATE November 1964
 PROJECT Mass. materials

Section:

Slumped

Rock type	

General Description: Complex exposure with coarse cobble gravel near top apparently overlying well-stratified flat lying to inclined well-sorted sand. In middle of residential area.

U.S. Geological Survey
 OPEN FILE MAP

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Field and megascopic observations:

Station number 4

Location: County Berkshire Town Adams Pit Active Inactive
 East Road 1 mi. east of
 Road location Adams center Coordinates _____

Geologic unit or occurrence ice-contact stratified drift with esker

Textural description pebble sand Eng. Soil Type SP

Dimensions of deposit: Areal extent 1000 x 200' Estimated thickness 25'

Dimensions of pit: Areal extent 100' x 100' Exposed thickness 14'

Lithologic composition (approximate %) Pebbles: sandstone, quartzite, granite, gneiss

Grain size: Maximum 1.5' Mean 1 mm Est. % of sand 98% Est. % fines T
 fair

Rounding subangular Grading to poor Sorting well

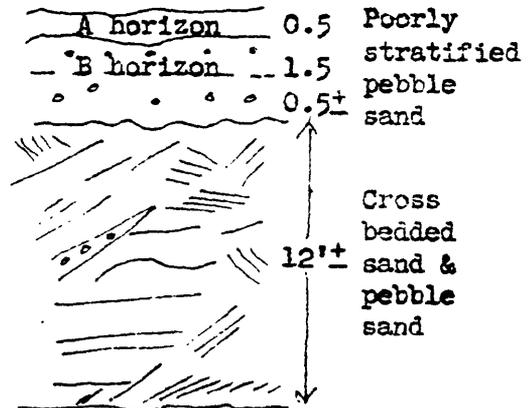
Soil development 0.5' A horizon
1.5' B horizon Color gray/yellowish brown

Oxidation or staining to 2.0' Leaching _____

Secondary deposition _____ Reactive matter _____

Rock type	

Section:



General Description: Good quality clean sand with distinct and irregular cross bedding capped by mixed pebble-sand layer probably representing frost disturbed layer.

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U.S. Geological Survey
 OPEN FILE MAP
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Windsor
 MASSACHUSETTS
 QUADRANGLE
 STATE
 G. W. Holmes
 GEOLOGICIST
 November 1964
 DATE
 PROJECT
 Mass. materials