

U. S. GEOLOGICAL SURVEY
Washington, D. C.
20242



For release FEBRUARY 21, 1968

68-130

The U. S. Geological Survey is releasing in open files the following reports. Copies are available for consultation in the Geological Survey Libraries, 1033 GSA Bldg., Washington, D. C. 20242; Bldg. 25, Federal Center, Denver, Colo. 80225; and 345 Middlefield Rd., Menlo Park, Calif. 94025. They are also available for consultation in other offices as listed:

1. Platinum deposits of Alaska, by John B. Mertie, Jr. 65 p., 2 black-and-white plates, 6 tables. Brooks Bldg., College, Alaska 99701; 108 Skyline Bldg., 508 2nd Ave., Anchorage, Alaska 99501; 441 Federal Bldg., Juneau, Alaska 99801; 504 Custom House, San Francisco, Calif. 94111; 7638 Federal Bldg., Los Angeles, Calif. 90012. Reproducible material for the two plates from which copy can be made at private expense is available in the San Francisco office shown above.

2. Availability of palynological material from Naval Petroleum Reserve No. 4, IV: North Simpson Test Well No. 1, by Richard A. Scott. 2 p.

3. Map showing location of subbottom acoustic profiles in San Francisco Bay from Bay Farm Island westward toward Hunter's Point, filed with the National Oceanographic Data Center, by the U. S. Geological Survey. 1 p., 4 maps (page size). 504 Custom House, San Francisco, Calif. 94111.

Master copies of the continuous profiler records are filed with the National Oceanographic Data Center, Bldg. 150, Washington Navy Yard, Washington D.C. 20390, and may be inspected there. Single copies of the maps may be obtained from the Data Center and arrangements may be made with them to secure material from which copies of the data may be made at private expense.

4. Preliminary geologic map of Bancroft quadrangle, Caribou and Bannock Counties, Idaho, by S. S. Oriel. 1 sheet, scale 1:48,000. Copies of the report are also available for consultation at 678 U. S. Court House Bldg., West 920 Riverside Ave., Spokane, Wash. 99201; 1012 Federal Bldg., Denver, Colo. 80202; and 8102 Federal Office Bldg., Salt Lake City, Utah 84111; and material from which copy can be made at private expense is also on file in those three offices.

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5. Preliminary materials map, Blandford quadrangle, Massachusetts, by G. William Holmes. 1 map, scale 1:24,000; 4 tables. Massachusetts Dept. of Public Works, 100 Nashua St., Boston, Mass. 02114; USGS, 80 Broad St., Boston, Mass. 02110. Latter office also holding material from which copy can be made at private expense.

6. Preliminary materials map, Cheshire quadrangle, Massachusetts, by G. William Holmes. 1 map, scale 1:24,000; 22 tables. (See No. 5, above.)

7. Preliminary materials map, Pittsfield East quadrangle, Massachusetts, by G. William Holmes. 1 map, scale 1:24,000; 15 tables. (See No. 5, above.)

8. Preliminary materials map, Plainfield quadrangle, Massachusetts, by G. William Holmes. 1 map, scale 1:24,000; 3 tables. (See No. 5, above.)

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Field and macroscopic observations:

Station number 1

Location: County Hampden Town Blandford Pit x Active
Brook 42°08.5' N
 Road location Off S. Otis Rd. on Case/ Coordinates 72°58.5' W

Geologic unit or occurrence Ice contact stratified drift in kame

Textural description Sand, with cobble lenses Eng. Soil Type SP

Dimensions of deposit: Areal extent 800' x 500' Estimated thickness 30'

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

Lithologic composition (approximate %) Gneiss, 40; Granite, 30;
Quartzite, 15; Misc. 15

Grain size: Maximum 12" Mean 1/16" Est. % of sand 95 Est. % fines 2

Rounding Well Grading Poor Sorting Medium

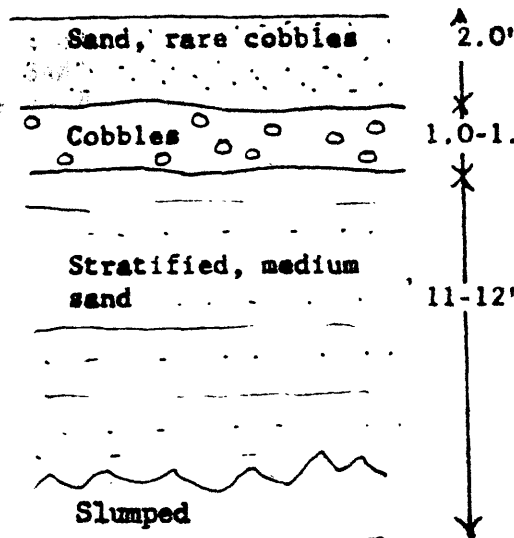
Soil development 3" A/12" B horizon Color Light yellowish brown

Oxidation or staining 12" in B horizon Leaching --

Secondary deposition -- Reactive matter --

Section:

Rock type	



General Description: Small kame of good quality sand for town use. Virtually the only good pit in the quadrangle.

U.S. Geological Survey
 OPEN FILE REPORT

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

BLANDFORD
 QUADRANGLE
 MASS.
 STATE
 G. W. HOLMES
 GEOLOGIST
 July, 1965
 DATE
 PROJECT

Field and macroscopic observations:

Station number 2

Location: County Hampden Town Granville Pit X Active
Beech Hill Rd. on 42°07.5' N
 Road location Borden Brook Reservoir Coordinates 72°57' W

Geologic unit or occurrence Ice contact stratified drift in kameTextural description Pebble sand Eng. Soil Type SPDimensions of deposit: Areal extent 400' x 1200' Estimated thickness 15'Dimensions of pit: Areal extent 100' x 150' Exposed thickness 10'
Granite, 30; Gneiss, 40;Lithologic composition (approximate %) Schist, 20; Quartzite 10Grain size: Maximum 6" Mean 1/16" Est. % of sand 95 Est. % fines 2Rounding Well Grading Poor Sorting WellSoil development 3" A/12" B Color Light yellowish brownOxidation or staining 12" in B horizon Leaching ---Secondary deposition -- Reactive matter --

Section:

Rock type	

No stratigraphy exposed

General Description: Small thin deposit, mostly sand, easily accessible, but on closed watershed reservation. Small kame on Cobble Mountain Reservoir to the east also on watershed reservation, but inaccessible.

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QUADRANGLEMASS.
STATEG. W. HOLMES
GEOLOGISTJULY, 1965
DATEMASS. MATERIALS
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Field and megascopic observations:

Station number 3

Location: County Hampden Town Blandford Pit X Active
on Beech Hill Rd. 42°10' N
 Road location 0.6 Mi S. of Route 23/ Coordinates 72°56.5 W

Geologic unit or occurrence Alluvial fan deposit

Textural description Boulder gravel Eng. Soil Type GW

Dimensions of deposit: Areal extent 1000' x 1500' Estimated thickness 30'

Dimensions of pit: Areal extent 300' x 100' Exposed thickness 12'

Lithologic composition (approximate %) Granite, 40; Gneiss, 50; Quartzite, 10

Grain size: Maximum 3' Mean 2" Est. % of sand 50 Est. % fines 5

Rounding Subrounded Grading Well Sorting Med.-poor

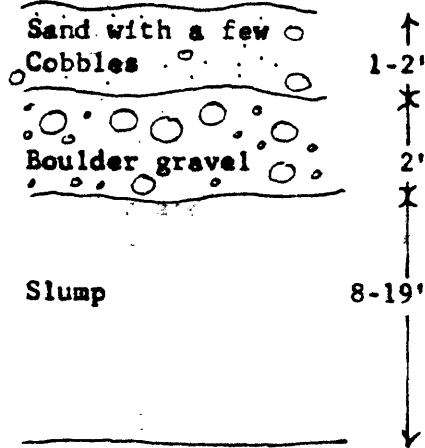
Soil development 3" A/ 1.5' B Color Light yellowish brown

Oxidation or staining To at least 4' Leaching --

Secondary deposition -- Reactive matter --

Section:

Rock type	



General Description: Poorly sorted, faintly stratified fan deposit with about 5% boulders, many too large to use economically. One of the few pits in the quadrangle, and located adjacent to a good road.

BLANDFORD
QUADRANGLE

MASS.
STATE

G. W. HOLMES
GEOLOGIST

JULY, 1965
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PROJECT