

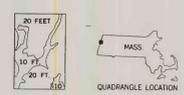
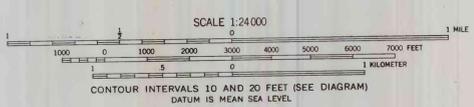


EXPLANATION

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| <p>Qal Alluvium Silt, sand and gravel, in modern flood plains and in swales.</p> | <p>Qf Alluvial fan deposits Silt, sand and gravel, poorly sorted and stratified, occurring in well to poorly defined fans. Mostly composed of local rock fragments. Fans of north edge of quadrangle probably formed partly in glacial Lake Bascom</p> |
| <p>Qst Stream terrace deposits Gravel and sand, generally evenly bedded, in terraces and isolated benches in lower valleys. Generally not demonstrably related to ice margin positions, but probably glacial in origin</p> | <p>Ql Lake deposits Stratified, well-sorted gray silt beds deposited near former shoreline of Glacial Lake Bascom</p> |
| <p>Qcd Ice-contact deposits Kettled, collapsed or eroded glacio-fluvial deposits, mostly gravel and sand. Typically poorly sorted and unevenly stratified. Occurs as kames and kame terraces</p> | <p>Qic Ice channel deposits Gravel and sand, unevenly stratified and poorly sorted, in narrow ridges, deposited in ice tunnels or other channels in the glacier</p> |
| <p>Qt Till Boulders, gravel, sand, silt, and clay, nonsorted to poorly sorted, with a few inclusions of stratified sand and gravel. Includes areas of thinly mantled or exposed bedrock. Deposited directly by glacial ice which advanced generally from northwest to southeast</p> | <p>af Artificial fill</p> |
| <p>3bg Construction materials pit Number refers to data sheets. cg, cobble gravel; cbg, cobble pebble gravel; bg, boulder gravel; pg, pebble gravel. Pits without numbers are of minor value. Other exposures noted by letter symbols</p> | <p>Glacial spillway used by meltwater stream. Arrow shows inferred drainage direction</p> |
| <p>Contact, dashed where inferred</p> | <p>Summit of drumlin, a hill composed of till, smoothed and streamlined by glacial motion. Shaft is parallel to long axis of drumlin</p> |
| <p>Boulders</p> | |

PRELIMINARY MATERIALS MAP
OF THE
MASSACHUSETTS PORTION OF THE
HANCOCK QUADRANGLE, MASS.-N.Y.
By
G. William Holmes

Base map by U. S. Geological Survey, 1958



Geology mapped in 1962, 1963 and 1967 by
G. William Holmes, assisted by
John Atherton

U.S. Geological Survey
OPEN FILE REPORT
This report is preliminary and has not been reviewed for accuracy and completeness by the U.S. Geological Survey

Hancock, Mass.-N.Y. quadrangle.
G. William Holmes, 1962, 1963, 1967.