



Prepared in cooperation with
THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

Official Geology of the
CHESHIRE QUADRANGLE
MASSACHUSETTS, BERKSHIRE CO.

EXPLANATION

Qal

Alluvium
Silt, sand and gravel, in modern
flood plains and in swales. Occurs
as a low terrace subject to floods

Qf

Alluvial fan deposit^s
Silt, sand and gravel, poorly
sorted and stratified

Swamp deposits

Organic matter, undecomposed to
partly decomposed, mixed with
sand and silt, locally peaty.
Swamp deposits shown by con-
ventional symbol

Qst

Stream terrace deposits
Sand, gravel, generally well stratified,
probably deposited by glacial streams,
but not demonstrably related to an ice
front position. May have been re-
worked by Recent streams

Qcd

Ice-contact stratified drift
Kettled, collapsed or eroded glacio-
fluvial deposits, mostly gravel
and sand. Typically poorly sorted
and unevenly stratified. Occurs
as kames, kame terraces, and
kame deltas

Qic

Ice channel deposits
Gravel and sand, normally well
stratified and poorly sorted, in
narrow ridges, deposited in ice
tunnels or other channels in the
glacier

Qd

Delta deposits
Stratified sand, with some pebbles
and cobbles, exhibiting topset and
foreset bedding, in places merging
with kames or kame deltas. Top of
delta deposits corresponds generally
with glacial Lake Bascom shoreline.

Qt

Till
Boulders, gravel, sand, silt, and clay,
non-sorted 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

af

Artificial fill

Contact, dashed where approximate

3g

Construction materials pit
Number refers to data sheets. g, gravel of
mixed sizes; cg, cobble gravel; ps, pebble
sand; pcs, pebble cobble sand; s, sand;
st, silt; t, till. Crossbar indicates
abandoned pit. Hachures indicate pit complex

Sources of aggregate from quarries

- a. Glass sand quarry, abandoned
- b. Glass sand quarry, abandoned
- c. Glass sand quarry, abandoned. Clay in matrix
- d. Glass sand quarry, abandoned
- e. Lime quarry, active
- f. Lime quarry, active

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

Cheshire, Mass., quadrangle
G. William Holmes, 1963-1967

PRELIMINARY MATERIALS MAP
CHESHIRE QUADRANGLE,
MASSACHUSETTS
by
G. William Holmes

U.S. GEOLOGICAL SURVEY
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DENVER

Geology mapped in 1963, 1967 by
G. William Holmes, assisted by
John Atherton and George C. Kelley