



**EXPLANATION**

**Recent**

- Qf Artificial fill
- Qsd Stream and swamp deposits
- Qo4 Outwash 4  
Chiefly sand and gravel
- Qcl Clay  
Contains some interbedded sand and gravel
- Qo3 Outwash 3  
Chiefly sand and gravel
- Qo2 Outwash 2  
Chiefly sand and gravel, some clay
- Qtm Clayey silt of Fresh Pond moraine
- Qo1 Outwash 1  
Chiefly sand and gravel
- Qe Esker deposits  
Coarse gravel and sand
- Qgm Ground moraine deposits  
Chiefly silt
- Qou Outwash, undifferentiated  
Chiefly sand and gravel

**Pleistocene Wisconsin stage**

- Qo1 Outwash 1  
Chiefly sand and gravel
- Qe Esker deposits  
Coarse gravel and sand
- Qgm Ground moraine deposits  
Chiefly silt
- Qou Outwash, undifferentiated  
Chiefly sand and gravel

**QUATERNARY**

- Qo1 Outwash 1  
Chiefly sand and gravel
- Qe Esker deposits  
Coarse gravel and sand
- Qgm Ground moraine deposits  
Chiefly silt
- Qou Outwash, undifferentiated  
Chiefly sand and gravel

Outcrop or closely spaced outcrops

Contact  
Dashed where approximately located

x Gravel or sand pit

Q Quarry

1632A Drill hole

Clay  
Silt  
Sand  
Pebble gravel  
Cobble gravel  
Boulders

Axis of buried valley  
Approximately located

795 796

Line of drill-hole section

A Shot point of seismic survey

E G

Line of seismic survey section

Contours in order of appearance, point of observation indicated by dot or first symbol

Base map adapted from U.S.G.S. Wilmington, Reading, Lexington, Boston North, Newton, and Boston South quadrangles, Massachusetts

Geology by Newton E. Chute, 1944

**SURFICIAL GEOLOGIC MAP OF THE MYSTIC LAKES-FRESH POND BURIED VALLEY AREA  
BETWEEN WILMINGTON AND CAMBRIDGE, MASSACHUSETTS**

