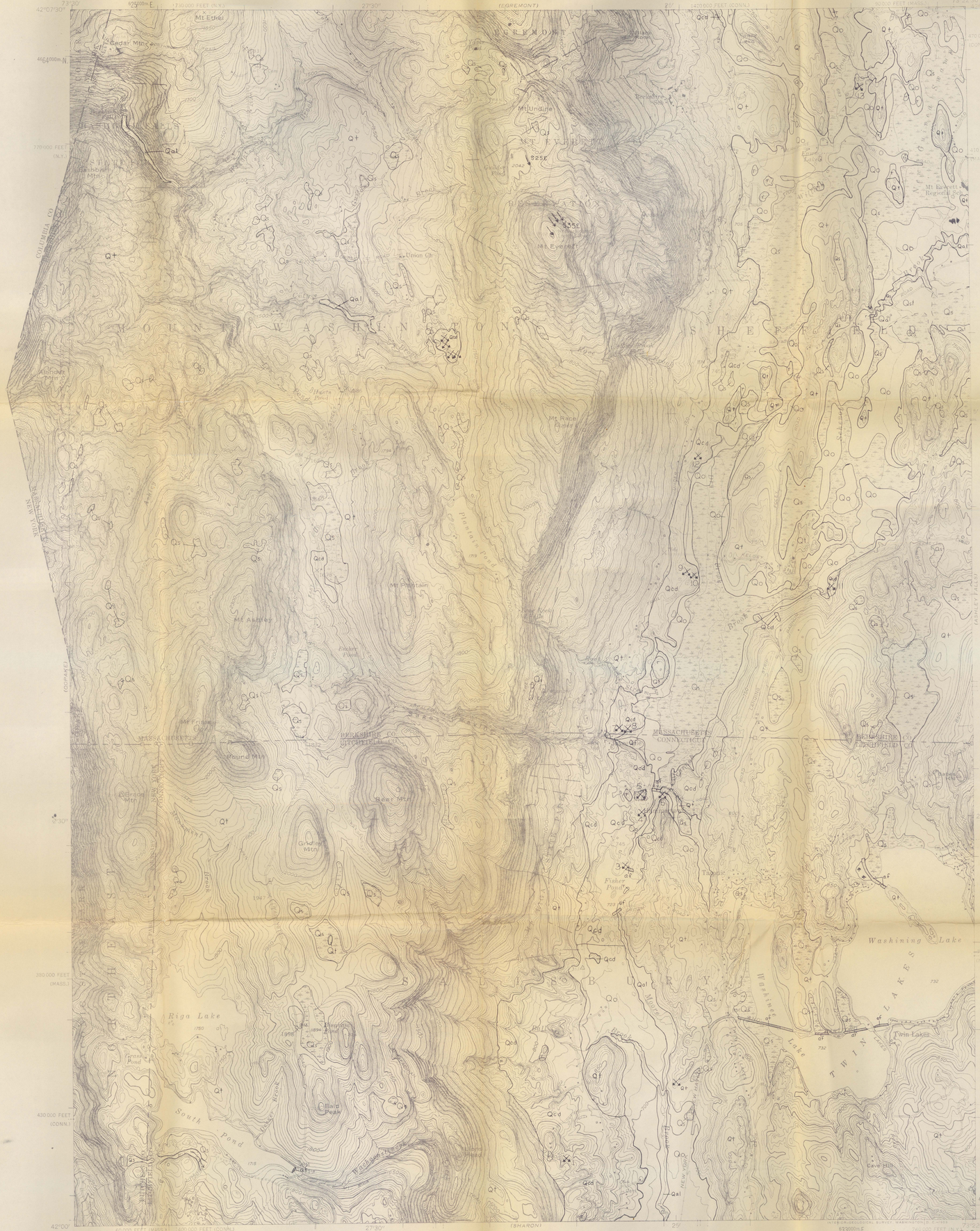
PREPARED IN COOPERATION WITH
THE COMMONWEATH OF MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS
and
THE UNITED STATES BUREAU OF PUBLIC ROADS
and
THE STATE OF CONNECTICUT GEOLOGICAL AND NATURAL HISTORY SURVEY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BASHBISH FALLS QUADRANGLE
MASSACHUSETTS-CONNECTICUT-NEW YORK
7.5 MINUTE SERIES (TOPOGRAPHIC)



Base by U S Geological Survey, 1958

Geology mapped in 1962,
assisted by J S Atherton

SCALE 1:24000

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

SURFICIAL GEOLOGY OF THE BASHBISH FALLS QUADRANGLE, MASSACHUSETTS - CONNECTICUT - NEW YORK

By

Joseph H Hartshorn

APPROXIMATE MEAN
DECLINATION, 1958

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.

EXPLANATION

A layer of windblown sand and silt with sparse ventifacts, generally mixed with underlying glacial debris, is present but not shown over parts of the upland areas, and is generally lacking or poorly developed over the glaciofluvial deposits

QUATERNARY

Recent

Qs

Swamp deposits

Undecomposed to partly decomposed organic matter generally mixed with sand and silt; locally peaty. Mineral matter accumulates by a combination of colluvial, alluvial, and eolian processes. Swamp deposits generally rest directly on material similar to surrounding surficial deposits

Qf

Alluvial fan deposits

Silt, sand, and gravel, generally moderately to poorly sorted

Qal

Alluvium

Silt, sand, and gravel, well to poorly sorted, in modern flood plains; occurs as low terrace subject to floods and reworking at least every several years

Qst

Stream terrace deposits

Gravel, sand, and silt; well to poorly sorted; occurs in broad flat terrace associated with lower Schenob Brook and eastward with the Housatonic River terraces; grade laterally into outwash deposits

Qo

Outwash

Gravel, sand, and silt deposited by meltwater streams beyond glacier and beyond areas of buried glacial ice

Pleistocene

Qcd

Waterlaid ice-contact deposits

Kettled, collapsed, or eroded glaciofluvial deposits, and deposits in temporary ponds; gravel, sand, silt, and minor amounts of clay deposited by glacial meltwaters. Deposits include kames, kame terraces, and proglacial kettled to unkettled outwash deposits

Qt

Till

Unsorted to poorly sorted mixture of boulders, gravel, sand, silt, and clay deposited directly from an ice sheet advancing generally from northwest to southeast over the uplands. Bedrock outcrops common

Bedrock exposure; shown only outside areas of till or adjacent to streams

Contact, dashed where approximate

Glacial channel or spillway used by meltwater stream. Arrow shows inferred drainage direction

Artificial fill

S25E

Glacial grooves and striations.
Point of observation is at tip of arrow

Sand, gravel, or till pit. **Station number refers to** accompanying data sheet

Abandoned quarry in bedrock

Bashbish Falls quadrangle
Hartshorn, 1962