

LEGEND

SURFICIAL ROCKS

(Areas of Surficial rocks are shown by patterns of dots and circles.)

**sd**  
Sand dunes  
(wind blown sand derived from older deposits)

Terraces of Erosion

(benches cut in older deposits and passed with sand by the receding waters of the Connecticut and its tributaries)

**br**  
Bars and incomplete terraces

**ob**  
Old oxbows

**os**  
Old stream beds

**tr**  
Lowest complete terrace of the present level

**ht**  
Higher terrace

**nt**  
Highest normal terrace

Terraces of Construction

(deposits of sand and clay in the confluent lakes of the Connecticut valley)

**bm**  
Lake bottom  
(clay and fine sediment of the deeper portions of the lake)

**lb**  
Lower bars and river flats  
(sand at a lower level than the shore terrace)

**ub**  
Upper bars and river flats  
(deposits on the sloping surface beyond the shore formation)

**sh**  
Lake shore beds  
(normal high terrace)

**dt**  
High delta sands  
(above the normal lake level)

Glacial Lake and River Beds

(lakes and streams west of the Connecticut dammed by ice on the east)

**hg**  
Highest glacial lake beds

**mg**  
Medial glacial lake beds

**lg**  
Lowest glacial lake beds

High lake deposits and moraine terrace

(hatched gravels)

**hl**  
High lake deposits and moraine terrace

Ice barriers

(showing the probable position of the ice front)

**ic**  
Ice barriers

Direction of glacial streams

(shown only in the valleys)

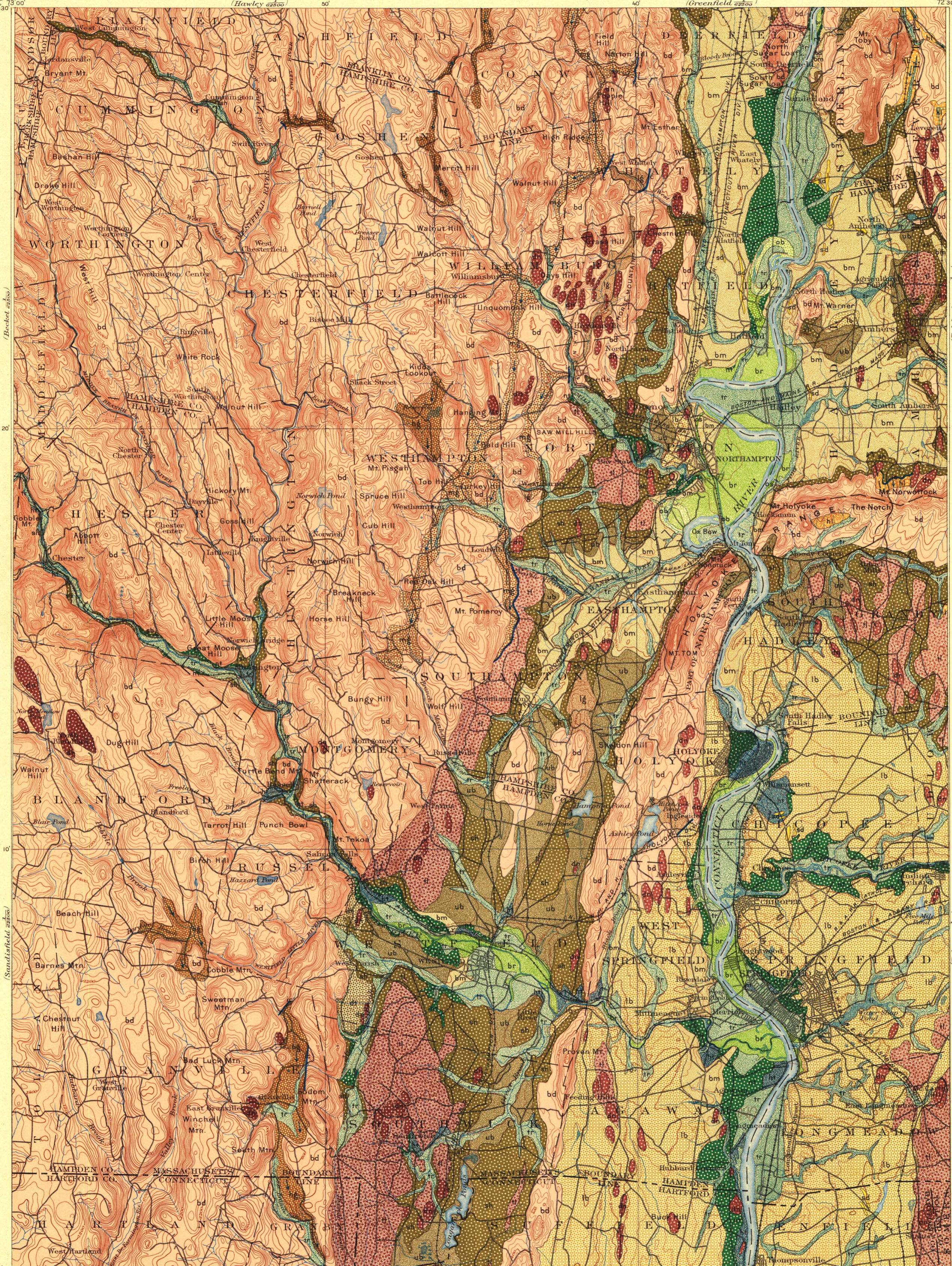
**gl**  
Glacial Deposits

**tl**  
Till

**dn**  
Drumlins

SEDIMENTARY AND IGNEOUS ROCKS

**bd**  
Bed rock  
(in greater part covered by till)



(Hawley 62500) 50' (Greenfield 62500) 40' (Belchertown 62500) 20' (Hartford 62500) 42'30"

(Worcester 62500) 42'30" (Berkshire 62500) 20' (Sandwichfield 62500) 10' (Palmer 62500) 10' (Worcester 62500) 42'30"

Henry Gannett, Chief Topographer.  
Marcus Baker, Geographer in charge.  
Triangulation by U.S. Coast and Geodetic Survey.  
Topography by C. Arrick, C.C. Bassett, L.F. Cutter,  
A. Karl, and H.L. Smyth.  
Surveyed in 1884-87.

Scale 1:25,000  
Miles  
Kilometers  
Contour interval 40 feet.  
Datum is mean sea level.  
Edition of Oct. 1898.

Geology by B. K. Emerson.  
Surveyed in 1875-1896.

PLEISTOCENE  
EPOCH OF GLACIAL RETREAT  
EPOCH OF GLACIAL OCCUPATION  
PRE-PLISTOCENE