

SOUTH

350'
300'
250'
200'
150'

Legend

- 1 Approximate level of low Lake Hitchcock
- 2 Outlet through Harts Pond gap (WS)
- 3 Low divide 1.0 mi NW of Harts Pond (WS)
- 4 Surface of Barnes delta extended
- 5 Apex of Agawan delta 0.4 mi SE of Westfield gap (WS)
- 6 Westfield River in Westfield gap (WS)
- 7 Terrace 0.4 mi NW of Westfield gap (WS)
- 8 Surface of Paper Mills delta (MT)
- 9 Topset-foreset contact
- 10 Surface of Barnes delta
- 11 Surface of outwash in upper Manhan valley (W)
- 12 Timberswamp spillway (MT)
- 13 Threshold of Timberswamp spillway (MT)
- 14 Present-day profile of Brickyard Brook (MT)
- 15 Brickyard Brook joins Manhan River (MT)
- 16 Present-day profile of Manhan River (MT)
- 17 Surface of kame terrace (W)
- 18 Surface of Manhan delta (W)
- 19 Surface of Davis Plain delta (MT)
- 20 Topset-foreset contact
- 21 Surface of delta on front of Davis Plain delta (MT)
- 22 Surface of Pomeroy Street delta (MT)
- 23 Marginal channel outlet controlling Pomeroy Street delta (MT)
- 24 Surface of Southampton delta (MT)
- 25 Irregular surface of White Brook delta (MT)
- 26 Outlet channel controlling White Brook delta
- 27 Kame terrace on NW side of Mount Tom (E)
- 28 Surface of terrace above Glehdale Road (E)

- 29 Surface of Dry Brook delta SE of Holyoke Narrows (MH)
- 30 Surface of kame delta at North Branch (E)
- 31 Surface of kame terrace 1.0 mi S of West Farms (E)
- 32 Ice-contact deposits 0.5 mi SE of West Farms
- 33 Surface of post-Lake Hitchcock terrace cut by Connecticut River, Smith Agricultural School, Northampton (E)
- 34 Foreset-bottomset contact
- 35 Surface of delta, Florence (E)
- 36 Topset-foreset contact
- 37 Surface of Mount Warner kame delta (MH)

Quadrangle names: (E), Easthampton; (MH), Mount Holyoke; (MT), Mount Tom; (W), Woronoco; (WS), West Springfield

Location of profiles

- ▲ Profiles in valley of Pond Brook, Hampton Ponds, and Broad Brook
- ◆ Profiles in valley of Brickyard Brook, Manhan River, and Timberswamp spillway
- Profiles in valley of Manhan River in the Woronoco quadrangle
- Profile east of Holyoke Basalt ridge

42° 07' 30" N. LAT.

STAGE I ICE MARGIN

STAGE II ICE MARGIN

STAGE III ICE MARGIN

STAGE IV ICE MARGIN

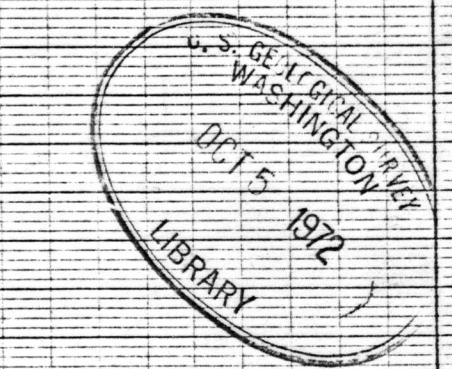
42° 15' N. LAT.

Lake Manhan I
Lake Manhan II
Lake Manhan III

NORTH

350'
300'
250'
200'
150'

PLATE 3. North-south projected profile of glacial-lake features in the Mount Tom and adjacent quadrangles.



5,000 10,000'

HORIZONTAL SCALE

Vertical Exaggeration = 50X

✓6

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.
Note: Ice-margin positions given are for (I) Paper Mills delta, (II) Barnes outwash plain, (III) Pomeroy Street delta, and (IV) White Brook delta