NELSON-BEDROCK, FRAMINGHAM QUADRANGLE, MASSACHUSETTS 1:2

DEPARTMENT OF THE INTERIOR UNITED STATES GEOLOGICAL SURVEY

## BEDROCK GEOLOGIC MAP OF THE FRAMINGHAM QUADRANGLE MIDDLESEX AND WORCESTER COUNTIES, MASSACHUSETTS

By Arthur E. Nelson

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

## **GEOLOGIC MAP SYMBOLS**

## COMMONLY USED ON MAPS OF THE UNITED STATES GEOLOGICAL SURVEY (Special symbols are shown in explanation)

Contact - Dashed where approximately Strike and dip of beds - Ball indicates located; short dashed where inferred; top of beds known from sedimendotted where concealed tary structures <u>→ 70</u> Inclined ⊕ Horizontal Contact - Showing dip; well exposed at Vertical Verturned triangle Strike and dip of foliation Fault - Dashed where approximately \_\_\_\_\_ 20 Inclined \_\_\_\_ Vertical \_\_\_\_ Horizontal located; short dashed where inferred; dotted where concealed Strike and dip of cleavage \_\_\_\_\_\_ Inclined ← Vertical ├ Horizontal Fault, showing dip - Ball and bar on downthrown side Bearing and plunge of lineation Normal fault - Hachured on downthrown <sup>15</sup> Inclined ◆ Vertical ← Horizontal side Strike and dip of joints Fault - Showing relative horizontal \_\_\_\_40 Inclined — Vertical — Horizontal movement Note: planar symbols (strike and dip of beds, foliation or schistosity, and cleavage) may be Thrust fault - Sawteeth on upper plate combined with linear symbols to record data observed at same locality by superimposed Anticline Showing direction of plunge; symbols at point of observation. Coexisting dashed where approximately located; planar symbols are shown intersecting at point dotted where concealed of: observation. Asymmetric anticline - Short arrow indicates steeper limb Shafts Overturned anticline - Showing direction Vertical Inclined of dip of limbs Adit, tunnel, or slope Syncline Showing direction of plunge; dashed where approximately located; Accessible - Inaccessible dotted where concealed Prospect Asymmetric syncline Short arrow Ouarry indicates steeper limb Active ☆ Abandoned Overturned syncline Showing direction Gravel pit of dip of limbs × Active X Abandoned Monocline - Showing direction of plunge of axis Oil well Drilling ♦ Shut-in ♦ Dry hole Minor anticline - Showing plunge of axis abandoned Gas ⇒ Show of gas Minor syncline Showing plunge of axis Oil Show of oil