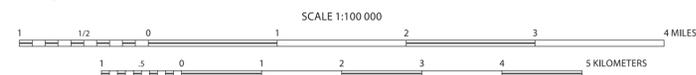


EXPLANATION OF ENVIRONMENTAL MAP UNITS
(Some units are divided into areas designated by number after the letter symbol (for example, T4); see table G5 for definition of these subdivisions used to calculate aggregate reserves. Refer to table G1 for relation of map unit to geology, lithology, and landform; table G2 for relation to engineering properties, hazards, and hydrology; table G3 for relation to resources and land-use considerations)

- LOOSE SEDIMENT**
- S, S1-S6 Stream-channel alluvium—Unit symbol without number refers to areas not included in aggregate-reserve calculations (table G5)
 - F, F1-F2 Flood-plain alluvium—Unit symbol without number refers to areas not included in aggregate-reserve calculations (table G5)
 - T, T1-T5 Stream-terrace alluvium—Unit symbol without number refers to areas not included in aggregate-reserve calculations (table G5)
 - A Fan alluvium
 - P Undissected windblown silt
 - B Dissected windblown silt
- WEAK ROCK**
- H Undissected, unconsolidated or very weakly consolidated mudstone and sandstone
 - X, X1-X2 Crystalline gravel conglomerate—Unit symbol without number refers to areas not included in aggregate-reserve calculations (table G5)
 - G Eroded, unconsolidated or very weakly consolidated sandstone, mudstone, and conglomerate
- MODERATELY STRONG ROCK**
- C, C1-C5 Limestone gravel conglomerate—Unit symbol without number refers to areas not included in aggregate-reserve calculations (table G5)
 - M Interbedded sandstone and shale
 - L, L1-L10 Limestone—Unit symbol without number refers to areas not included in aggregate-reserve calculations (table G5)

- EXPLANATION OF MAP SYMBOLS**
- Contact—Boundaries of loose sediments approximately located
 - Potentially active fault—Dashed where approximately located; dotted where concealed. Sawteeth on upper plate
 - Geologic cross section—See figures G8-G10
 - 3-2 • Soil-sample site—Number refers to location mentioned in the text
 - † Capital Development Authority hydrologic test hole—Number refers to test hole shown in figure G10
 - ★ Building taller than 10 stories
 - ☒ Cement factory
 - ♦ Solid-waste disposal site
 - ▲ Brick kiln
 - × Gravel pit
 - Major rock quarry area



ENVIRONMENTAL GEOLOGY OF THE ISLAMABAD-RAWALPINDI STUDY AREA, NORTHERN PAKISTAN