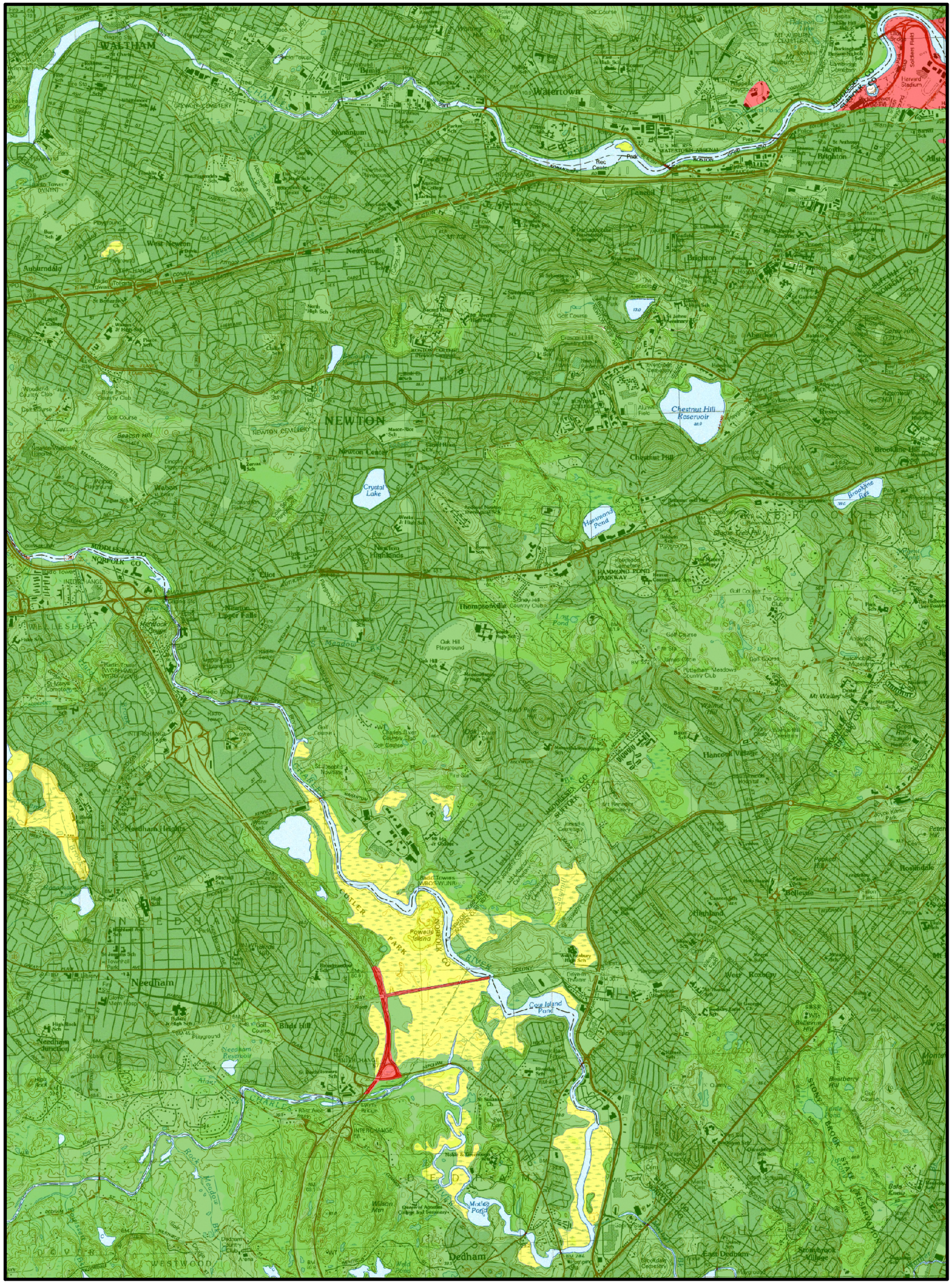

Plate 13
Liquefaction Susceptibility Map of the Newton Quadrangle, Massachusetts

C.M. Brankman and L.G. Baise, 2004

See text for references and description of mapping methodology

Liquefaction Susceptibility Categories

1 - Low Susceptibility - geologic and geotechnical conditions not favorable for liquefaction. Small, isolated zones of liquefaction may be expected; however, large failures not likely.

2 - Moderate Susceptibility - Geologic and geotechnical onditions indicate potential for sparse, isolated areas of liquefaction. Zones are on the scale of individual sites and are not likely to be connected or regionally extensive.

3 - High Susceptibility - Geologic and geotechnical conditions indicate the potential for extensive liquefaction failures. Failures may be large and regional, and represent hazard to structures unless mitigated.

Notes - All geologic contacts are approximate. Topographic base is 1:25000 USGS topographic quadrangles as provided in digital format by MassGIS. Datum is Massachusetts State Plane, NAD 83. Susceptibility categories are based on regional mapping and subsurface data and are not intended as a substitute for site-specific investigations.

N

Scale - 1:24,000

Kilometers

0 0.5 1 2 3 4

0 0.5 1 1.5 2

Miles