SOIL FLOODING CLASS
CROMWELL, CONNECTICUT

LEGEND

- Very Frequent - Flooding is likely to occur every other year, under normal moisture conditions. The chance of flooding is more than 50% of all 1-year periods.
- Frequent - Flooding is likely to occur often under normal moisture conditions. The chance of flooding is more than 50% of all 5-year periods.
- Occasional - Flooding occurs sporadically under normal moisture conditions. The chance of flooding is 1 in 10 years or less of all 5-year periods.
- Rare - Flooding is unlikely to occur under normal moisture conditions. The chance of flooding is less than 1 in 10 years of all 5-year periods.
- Not Rated - Such having characteristics that show extreme flood potential, but no flood data is available. These areas are either under completed flood insurance zone, or are not expected to experience flooding under normal conditions.

EXPLANATION

Soil susceptibility to flooding is the temporary inundation of an area by water, which may lead to soil erosion, property damage, and loss of life. Flooding can occur due to natural events such as heavy rainfall or storm surges, or due to human activities such as dam failures. Soil condition, topography, and vegetation play a significant role in determining soil susceptibility to flooding. The type of soil, its permeability, and the rate of water infiltration can affect its ability to absorb and drain water. A soil with high permeability may experience flooding quickly, while a soil with low permeability may have difficulty draining water.

DATA SOURCES

- RIEMERIKI
- USGS (2007) National Hydrography Dataset (NHDPlus V09)
- USGS (2009) National Elevation Dataset (NED)
- NRCS (2010) Natural Resources Conservation Service
- CT DEEP (2012) Connecticut Flood Zone Map

The above data sources provide comprehensive information on soil susceptibility to flooding, topography, and hydrography. These datasets are used to identify areas at risk of flooding and to develop mitigation strategies. The map also includes detailed information on the location of natural water bodies, such as rivers and lakes, which can be prone to flooding. The map also includes road networks and property boundaries, which can be important for emergency response and recovery efforts.