SOIL DRAINAGE CLASS
OLD SAYBROOK, CONNECTICUT

LEGEND

- Essentialy drained - Water is removed very rapidly. The occurrence of occasional bare land or sand dunes shows that the soil is very permeable. Sections of such soils are usually on steep slopes and usually are unsuitable for agriculture.
- Somewhat excessively drained - Water is removed from the soil slowly, but too quickly during periods of the growing season for crop production. Typically, there is not enough land on the slope to form a natural water body. This class is common in Connecticut. Drainage classes may be somewhat excessive to excessively drained or excessively to very excessively drained.
- Excessively drained - Water is removed slowly, but not enough to form a natural water body. Typically, there is not enough land on the slope to form a natural water body. This class is common in Connecticut. Drainage classes may be excessively drained to very excessively drained.
- Very poorly drained - Water is removed slowly, but not enough to form a natural water body. Typically, there is not enough land on the slope to form a natural water body. This class is common in Connecticut. Drainage classes may be very poorly drained to poorly drained.
- Poorly drained - Water is removed slowly, but not enough to form a natural water body. Typically, there is not enough land on the slope to form a natural water body. This class is common in Connecticut. Drainage classes may be poorly drained to moderately poorly drained.
- Moderately poorly drained - Water is removed slowly, but not enough to form a natural water body. Typically, there is not enough land on the slope to form a natural water body. This class is common in Connecticut. Drainage classes may be moderately poorly drained to poorly drained.
- Dry - Water is not removed from the soil or is sustained at a low level. This class is common in Connecticut. Drainage classes may be dry to moderately dry to slightly dry.
- Moderately dry - Water is not removed from the soil or is sustained at a low level. This class is common in Connecticut. Drainage classes may be moderately dry to slightly dry.
- Somewhat dry - Water is not removed from the soil or is sustained at a low level. This class is common in Connecticut. Drainage classes may be somewhat dry to slightly dry.
- Slightly dry - Water is not removed from the soil or is sustained at a low level. This class is common in Connecticut. Drainage classes may be slightly dry.

EXPLANATION

Soil drainage class is related to the frequency and duration of the occurrence of water at the soil surface during the growing season. The occurrence of water at the soil surface affects the soil's permeability and its ability to hold moisture, nutrients, and other soil properties. Soil drainage class is important for determining the suitability of soils for specific land uses, such as agriculture, forestry, and urban development. The map shows the distribution and extent of different soil drainage classes across Old Saybrook, Connecticut.

DATA SOURCES

- Soil data derived from the Soil Survey Geographic (SSURGO) database, which is a national soil survey database managed by the Natural Resources Conservation Service (NRCS).
- Topographic data from the U.S. Geological Survey (USGS), which provides detailed maps and geographic information.
- Climate data from the National Oceanic and Atmospheric Administration (NOAA), which provides weather and climate information.
- Hydrologic data from the Environmental Protection Agency (EPA), which provides information on water quality and quantity.

The map is prepared by the Connecticut Department of Agriculture, Soil Survey, and is updated periodically to reflect changes in soil conditions and land use.

The map illustrates the soil drainage classes in Old Saybrook, Connecticut, and shows the distribution and extent of different drainage classes across the area. The map is useful for agricultural planning, land use decisions, and environmental management.

The map can be used to identify areas with similar soil conditions and drainage characteristics, which can inform decisions on land use, crop selection, and water management practices.

The map also highlights the importance of soil drainage in maintaining soil health and productivity. Proper management of soil drainage is crucial for preventing soil erosion, reducing water pollution, and maintaining soil fertility.

The map is a valuable resource for landowners, planners, and policymakers, as it provides a clear and comprehensive view of soil conditions in Old Saybrook.

The map is produced by CT DEP and is updated periodically to reflect changes in soil conditions and land use. The map is available for download and can be used for educational and research purposes.

Map prepared by CT DEP