

## **Soil Information**

United States Department of Agriculture, 18989)

Soils consist of Cabot extremely stony silt loam (CbD 3-25%), (Lyman-Marlow very rocky loams (5-30% LyD, 30-60% LyE), Marlow extremely stony loams (5-20% MeC, 20-60% MeE), and Peru extremely stony loam, (0-20% slopes PsC).

The Cabot series is deep, somewhat poorly drained and poorly drained soils that have a fragipan and are loamy throughout their profile. They formed in glacial till derived from mica schist and limestone. They have natural fertility. They are mostly used for trees or idle.

The Lyman series are shallow, rocky, very rocky and somewhat extremely well drained and loamy throughout their profile. They formed in glacial till derived from mica schist. They have very low fertility and moderately low moisture capacity. These soils dry up quickly and cannot provide the necessary water for vegetation to grow during longer dry periods in the summer. These soils are mostly wooded.

The Marlow series are deep, stony and extremely stony, rocky and very rocky, and well-drained. They are loamy throughout their profile. They formed in glacial till derived from schistose rocks. They have low natural fertility and moderate moisture capacity. These soils dry up quickly and cannot provide the necessary water for vegetation to grow during longer dry periods in the summer. Marlow soil can be used for pasture if slopes permit.

The Peru series are deep, stony and extremely stony, and moderately well-drained. They are loamy throughout their profile. They formed in glacial till derived from quartzite, phyllite, and schistose rocks. Peru soils have low natural fertility. In almost all places the Peru soils were originally too stony to farm but in many places the stones have been removed to allow farming. On stoned-cleared areas, these soils are mainly used for hay and pasture, but a small acreage is wood or idle.

Marlow soils of lesser slope (MeC) have moderate to severe limitations for streets and parking, and picnic areas. All soil types on the PPCA have severe limitations for all recreation activities and associated management identified in the Soil Survey of Chittenden County. Potential productivity for commercial timber Ly series fair, Me series and PeC good, Cabot not suitable.



### **Vermont Significant Wetland Map**

Class II wetlands are indicated by a yellow hash pattern, hydric soils (in brown) are wetland advisories that should be confirmed by on-the-ground soil sampling. The border between Bolton and Jericho and Richmond can be seen on the left side of the map, and Duck Brook is represented on the right side of the map.

