

45C: Eldridge fine sandy loam, 8 to 15 percent slopes

The Eldridge component makes up 85 percent of the map unit. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. This component is on strongly sloping lake terraces on lake plains. The parent material consists of sandy glaciolacustrine deposits over loamy glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Statewide

Land capability: 3 e

Vermont Agricultural Value Group: 7

Vermont Residential Onsite Waste Disposal Group and Subgroup: IIIId

This unit is marginally suited as a site for soil-based residential wastewater disposal systems, based on a review by the Natural Resources Conservation Service of criteria set forth in the Vermont 2007 Environmental Protection Rules. The depth to the seasonal high water table is the major limitation. A detailed, site-specific analysis is generally required. On-site groundwater level monitoring and determination of induced groundwater mounding is often necessary to establish the suitability of this unit. Curtain drains may help lower the water table to an acceptable level.

PHYSICAL and CHEMICAL PROPERTIES							EROSION FACTORS		
Soil name	Depth (In)	Typical texture	Clay (Pct)	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	Kw	Kf	T
Eldridge	0-4	FSL	1-5	5.1 - 7.3	6-20	2.0-4.0	.32	.32	5
	4-9	SL	1-5	5.1 - 7.3	6-20	0.5-2.0	.28	.28	
	9-25	LFS	1-5	5.1 - 7.3	6-20	0.5-2.0	.37	.37	
	25-65	SIL	3-18	5.1 - 7.3	0.06-0.6	0.0-0.5	.64	.64	

WATER FEATURES						SOIL FEATURES		
Soil name	Hydrologic group	Depth to seasonal high water table (Feet)	Flooding		Ponding		Hydric soil?	Depth to bedrock (range in inches)
			Frequency	Duration	Frequency	Duration		
Eldridge	C/D	1.0-2.0	None		None		No	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Eldridge	Dwellings with basements:	Very limited	Depth to saturated zone	Grass-legume hay	3 Tons
Eldridge	Pond reservoir areas:	Very limited	Seepage	Grass-clover	4.8 AUM
				Grass hay	2.5 Tons
				Corn silage	14 Tons
				Alfalfa hay	3.5 Tons

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Eldridge	Harvest equip operability:	Moderately suited	30-60cm to water table >=6mos	White Pine-Red Oak-Black Oak Forest, White Pine-Northern Hardwood Forest Variant, Sugar Maple-Ostrich Fern Riverine Floodplain Forest
Eldridge	Road suitability:	Moderately suited	Slope	
Eldridge	Erosion hazard (off-road):	Slight		