

80B: Kingsbury silty clay loam, 3 to 8 percent slopes

The Kingsbury component makes up 80 percent of the map unit. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is very low. This component is on broad flats on lake plains. The parent material consists of clayey glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification:	Statewide	Land capability:	3 w	Vermont Agricultural Value Group:	6d
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Vermont Residential Onsite Waste Disposal Group and Subgroup: IVa

This unit is generally not 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. Excessive soil wetness in association with the minimal slope is the limiting condition. Prolonged periods of saturation at or near the soil surface do not allow for the proper functioning of septic systems.

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
Kingsbury	0-9	SICL	27-50	5.1 - 7.8	0.06-0.2	3.0-9.0	.49	.49	2
	9-20	C	35-90	5.1 - 7.8	0-0.06	0.0-1.0	.28	.28	
	20-60	C	35-90	7.9 - 8.4	0-0.06	0.0-1.0	.28	.28	

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		
Kingsbury	D	0.5-1.5	None		None		No	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Kingsbury	Dwellings with basements:	Very limited	Depth to saturated zone	Grass hay	3.5 Tons
Kingsbury	Pond reservoir areas:	Somewhat limited	Slope	Corn silage	16 Tons
				Grass-clover	5.6 AUM
				Grass-legume hay	3 Tons

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Kingsbury	Harvest equip operability:	Moderately suited	30-60cm to water table 1 >=6mos	Valley Clayplain Forest
Kingsbury	Road suitability:	Moderately suited	Wetness	
Kingsbury	Erosion hazard (off-road):	Slight		