

21A: Sunday fine sand, 0 to 3 percent slopes

The Sunday component makes up 85 percent of the map unit. The natural drainage class is excessively drained. Water movement in the most restrictive layer is high. This component is on flood plains on river valleys. The parent material consists of sandy alluvium. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Statewide	Land capability: 3 s	Vermont Agricultural Value Group: 6
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Vermont Residential Onsite Waste Disposal Group and Subgroup: IIIg

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 hazard of flooding is the major limitation. This unit is on floodplains and typically includes land in the floodway and the special flood hazard area. Consult flood hazard maps prepared by the Federal Emergency Management Agency (FEMA) in local town offices for more information. Wastewater systems must be located, designed and constructed in a manner that avoids impairment to the system and contamination from the system due to flooding.

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
Sunday	0-10	FS	0-5	4.5 - 6.5	6-20	1.0-2.0	.05	.05	5
	10-65	FS	0-2	4.5 - 6.5	6-20	0.0-0.5	.15	.15	

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		
Sunday	A	---	Frequent	Brief (2 to 7 days)	None		No	---

LAND USE LIMITATIONS				AGRICULTURAL YIELD DATA	
Soil name	Land use	Rating	Reason **	Crop name	Yield / acre
Sunday	Dwellings with basements:	Very limited	Flooding	Corn silage	12 Tons
Sunday	Pond reservoir areas:	Very limited	Seepage	Alfalfa hay	2.5 Tons
				Grass hay	2 Tons
				Pasture	3.6 AUM

WOODLAND MANAGEMENT				
Soil name	Management concern	Rating	Reason	Vermont natural communities
Sunday	Harvest equip operability:	Moderately suited	Sandiness	Silver Maple-Ostrich Fern Riverine Floodplain Forest, River Sand or Gravel Shore, Northern Conifer Floodplain Forest Variant, Sugar Maple-Ostrich Fern Riverine Floodplain Forest, River Cobble Shore
Sunday	Road suitability:	Poorly suited	Flooding	
Sunday	Erosion hazard (off-road):	Slight		