14E: Irasburg loamy fine sand, 25 to 50 percent slopes

The Irasburg component makes up 78 percent of the map unit. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is low. This component is on lake terraces. The parent material consists of sandy glaciofluvial deposits over silty glaciolacustrine deposits. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: NPSL	Land capability: 7 e	Vermont Agricultural Value Group: 11

Vermont Residential Onsite Waste Disposal Group and Subgroup: IVd

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. Steep slopes in association with the slowly permeable substratum is the limiting condition. Cut and fill site modifications that reduce the slope gradient are not generally effective due to the slowly permeable substratum.

PHYSICAL and CHEMICAL PROPERTIES

Soil name	Depth (In)	Typical texture	Clay (Pct)	Soil reaction (pH)	Permeability (In/Hr)	Organic matter (Pct)	EROSION FACTORS Kw	Kf	T
Irasburg	0-8	LFS	0-5	5.1 - 7.3	2-20	2.0-6.0	.20	.20	5
	8-14	LFS	0-5	5.1 - 7.3	2-20	0.5-2.0	.32	.32	
	14-38	FS	0-5	5.1 - 7.3	2-20	0.0-2.0	.15	.15	
	38-65	SIL	10-35	5.1 - 7.3	0.002-0.2	0.0-0.5	.64	.64	

WATER FEATURES **SOIL FEATURES**

Soil name	Hydrologic group	Depth to seasonal high water table (Feet)	Flooding Frequency	Flooding Duration	Ponding Frequency	Ponding Duration	Hydric soil?	Depth to bedrock (range in inches)
Irasburg	B	1.5-2.5	None		None		No	---

LAND USE LIMITATIONS

Soil name	Land use	Rating	Reason **
Irasburg	Dwellings with basements:	Very limited	Slope
Irasburg	Pond reservoir areas:	Very limited	Seepage

AGRICULTURAL YIELD DATA

Crop name	Yield / acre

WOODLAND MANAGEMENT

Soil name	Management concern	Rating	Reason	Vermont natural communities
Irasburg	Harvest equip operability:	Poorly suited	Slope	Northern Hardwood Forest, Red Spruce-Northern Hardwood Forest, White Pine-Northern Hardwood Forest Variant
Irasburg	Road suitability:	Poorly suited	Slope	
Irasburg	Erosion hazard (off-road):	Severe	Slope/erodibility	