60A: Weider very fine sandy loam, 0 to 3 percent slopes

The Weider 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 high. This component is on flood plains on river valleys. The parent material consists of coarse-loamy alluvium over sandy and gravelly alluvium. Depth to a root restrictive layer is greater than 60 inches.

Important farmland classification: Prime (f)	Land capability: 2 w	Vermont Agricultural Value Group: 3

Vermont Residential Onsite Waste Disposal Group and Subgroup: IIIb

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 and the depth to the seasonal high water table are the major limitations. 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. A detailed, site-specific analysis with groundwater level monitoring and determination of induced groundwater mounding may be required to establish the suitability of this unit. Mound system construction and other site modifications are often necessary.

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
Weider	0-6	VFSL	2-18	4.5 - 6.5	0.6-2	1.0-4.0	.37	.37	3
	6-25	VFSL	2-18	4.5 - 6.5	0.6-2	0.5-3.0	.43	.43	
	25-65	GRV-S	0-3	4.5 - 6.5	6-20	0.0-1.0	.02	.02	

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)
Weider	C	1.5-3.0	Frequent	Brief (2 to 7 days)	None		No	---

LAND USE LIMITATIONS

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

AGRICULTURAL YIELD DATA

Crop name	Yield / acre
Alfalfa hay	4 Tons
Grass-legume hay	3.5 Tons
Grass-clover	5.6 AUM
Grass hay	3.5 Tons
Corn silage	24 Tons

WOODLAND MANAGEMENT

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