

HIGHLY ERODIBLE SOIL MAP UNIT LISTS

The following are Highly Erodible Soil Map Unit Lists for each county in Maryland. The lists consist of all soil map units that are highly erodible or potentially highly erodible from sheet and rill erosion. No soil map units in Maryland are highly erodible due to wind erosion.

These lists, in conjunction with soil survey maps, are used to determine if Highly Erodible Soil Map Units occur in a field. Field data on slope percent and slope length may be needed to make this determination on fields containing Potentially Highly Erodible Soil Map Units.

In order to qualify as Highly Erodible Land (HEL) a field has to contain at least 33.33 percent of a Highly Erodible Soil Map Unit or more than 50 acres of a Highly Erodible Soil Map Unit.

Soil map units consisting of more than one soil (i.e. soil complexes) may have two rows with separate designations if there are large differences in K or T factors. Use the information for the soil that is dominant in the field for that soil map unit.

A soil map unit is a Highly Erodible Soil Map Unit if, for the range of the map unit in the county, the shortest length of slope (L) and the minimum percent of slope (S) expected to occur in the map unit result in the RKLS/T being equal to or greater than 8. Thus the entire soil map unit is highly erodible. Potentially Highly Erodible Soil Map Units have slope lengths and slope percent ranges where RKLS/T is both greater than and less than 8. Not Highly Erodible Soil Map Units are where the maximum percent slope and maximum length of slope expected to occur in the county have RKLS/T results of less than 8.

The legend for the lists is:

musym = map unit symbol
muname = map unit name
muwathel = map unit water highly erodible map unit class

1 = Highly Erodible Soil Map Unit
2 = Potentially Highly Erodible Soil Map Unit
3 = Not Highly Erodible Soil Map Unit