



United States
Department of
Agriculture

Soils Saturated Hydraulic Conductivity (Ksat) USDA-NRCS Caribbean Area

Puerto Rico

US Virgin Islands

Miles

Legend

(All Layers) (um/s and in/hr)

Very Low (0.0 - 0.01) (0.0 - 0.0014)
Low (0.01 - 0.1) (0.0014 - 0.014)
Moderately Low (0.1 - 1) (0.014 - 0.14)
Moderately High (1 - 10) (0.14 - 1.41)
High (10 - 100) (1.41 - 14.17)
Very High (100 - 705) (14.17 - 99.90)
Not rated or not available

Summary

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity is considered in the design of soil drainage systems and septic tank absorption fields.



Soil Survey Geographic Database 2020