

## SOIL SERIES DESCRIPTION

### Shalcar Muck

#### Mapping Symbols: Sm

The Shalcar series consists of very poorly drained soils that are stratified with mineral soil materials at a depth of 16 to 30 inches. They formed in deposits of sedge peat and alluvium in the stream valleys and on rolling glaciated uplands. Slopes are 0 to 1%. The annual precipitation is 35 to 80 inches. The frost-free season ranges from 150 to 200 days and the mean annual air temperature is 50 degrees F. They are found at elevations ranging from 25 feet to 750 feet.

#### Typical Profile:

Depth from Surface:

0 to 28 Inches: Black to very dark brown muck with silt loam and fine sandy loam

28 to 60 Inches: Loamy sand

#### Permeability:

Moderate

#### Rooting Depth:

60 inches + if drained

#### Depth to Seasonal High Water Table:

0 to 1 foot

#### Available Water Holding Capacity:

High

#### Runoff Potential:

Ponded

#### Erosion and Slippage Hazard:

None

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**Use and Management:**

Primary uses of this soil are for row crops and pasture.

Pasture forage yields are 2.0 tons/acre/year if undrained and 5.0 tons/acre/year if drained.

The Shalcar soil has severe recreational and engineering limitations due to its high content of organic materials and high water table.