Suitable Soils for Drainage Water Management

South Dakota

Geoprocessing Procedure
Soils Spatial and Tabular data obtained
from the Soil Data Mart 8/24/2011
Selection Criteria:
1. Major Components. Percent Composition > 40%
2. Representative slope <= 1 percent.
3. Representative value of the Hydric
Definition Growing Season Minimum
Depth of Water Table < 18 inches depth.
Extent of Cultivated Crops obtained from
the 2006 National Land Cover Dataset (NLCD), USGS.
The soil map units selected were converted to
30 meter raster data and intersected with the
reclassified Cultivated Cropland extracted from
the NLCD.
Coincident areas less than 15 acres were deleted.

Coordinate System: USA Contiguous Albers Equal Area Conic USGS version
Projection: Albers
Datum: North American 1983
False Easting: 0.0000
False Northing: 0.0000
Central Meridian: -96.0000
Standard Parallel 1: 29.5000
Standard Parallel 2: 45.5000
Latitude Of Origin: 23.0000
Units: Meter

1:2,000,000

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