
Title: KATSOIL

Theme keywords: Soil, Kansas Water Quality Action Targeting System

Identification Information

Citation Information

Originator: Kansas Department of Health and Environment (KDHE) and the Kansas Water Office (KWO)

Publication Date: 1996

Online linkage: <http://gisdasc.kgs.ukans.edu>

Point of Contact:

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Time Period of Content/Currentness Reference: publication date

Native Data Set Environment: Arc/Info

Status

Progress: available

Maintenance & Update Frequency: Unknown

Spatial Domain

Bounding coordinates

North: 41.0 *East:* -94.0

South: 36.0 *West:* -104.0

Geographic Area: Kansas

Description

Abstract: Compiled source materials to represent soil erodibility/slope hazard

Purpose: Resource element dataset for the KATS system to target valuable or vulnerable water resources for water quality assessment evaluation.

Access Constraints: None

Use Constraints: This tool should only be used for preliminary assessment and is inappropriate for small-scale analyses. Data is current as of publication date. KDHE and KWO are not responsible for database integrity following download and publication. To be used at minimum scale of 1:100,000.

Data Quality Information

Lineage:/Source Information

Type of source media: DLG, Scanned Maps, EPA RF-3

Source scale denominator: 1:500,000, 1:100,000, 1:24,000

Source citation abbreviation: U.S. Department of Agriculture, Natural Resource Conservation Service

Attribute Accuracy:/Attribute Accuracy Value: Variable dependent upon currency of source material. See KATS project documentation for component synthesis procedures.

Attribute Accuracy Report: Irrespective of source or form, raw values for each water resource element were aggregated within a HUC 11 unit and normalized to a 5-point nominal scale, see normalized or ranked values. See KATS project documentation for component synthesis procedures.

Positional Accuracy:/Horizontal Positional Accuracy:/Horizontal Positional Accuracy Value: not applicable

Horizontal Positional Accuracy Report: All water resource elements used in the KATS system have been aggregated to HUC 11 areal units. Refer to HUC 11 metadata report for horizontal accuracy criteria.

Spatial Data Organization Information

Direct Spatial Reference Method/Raster or Vector Object Type: Vector

Spatial Reference Information

Horizontal Coordinate System Definition/Map Projection: Lambert Conformal Conic

1st Standard Parallel: 33 0 0.000

2nd Standard Parallel: 45 0 0.000

Central Meridian: -98 15 0.000

Latitude of Projection Origin: 36 0 0.000

False Easting: 0 meters

False Northing: 0 meters

Geographic/Map Coordinate Units: Meters

Entity and Attribute Information

Overview Description:/Entity and Attribute Overview:

AVKFACT - Average K-Factor for each Huc-11 Watershed

AVSLOPE - Average slope for each Huc-11 Watershed

**KFACTNS - Normalized K-Factor Hazard for each Huc-11 Watershed

**SLOPENS - Normalized slope hazard for each Huc-11 Watershed

**KFACTRS - K-Factor hazard score, use for individual element assessment only

**SLOPERS - Slope Hazard Score, use for individual element assessment only

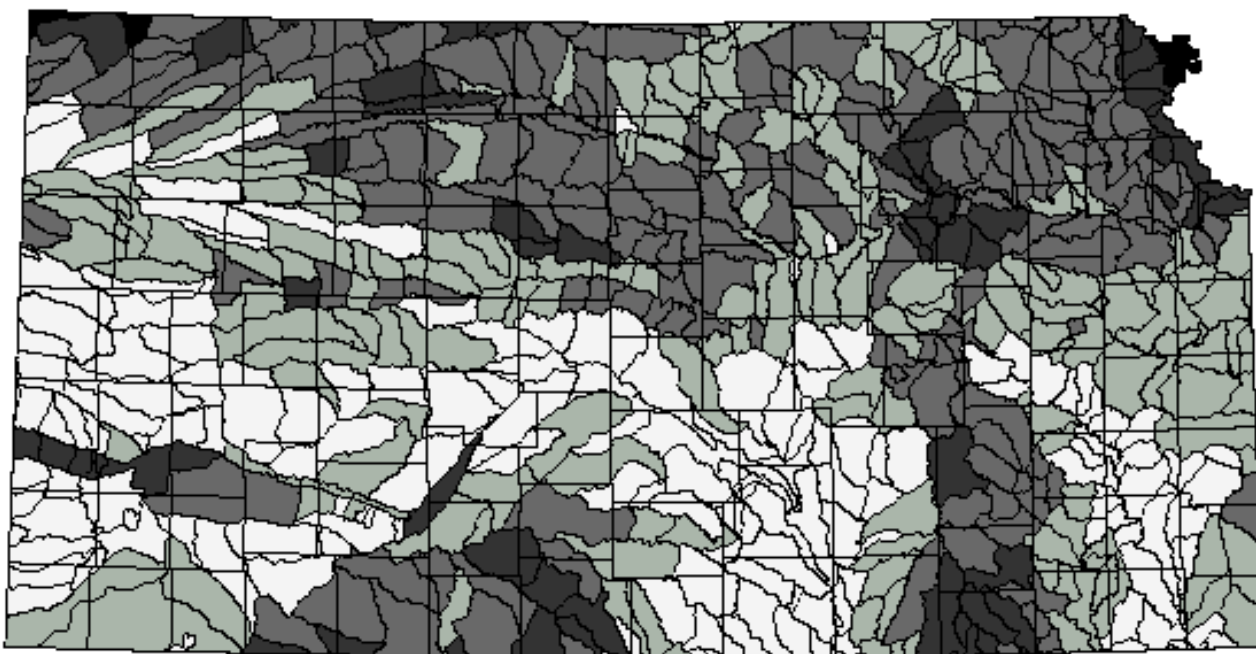
**SOIL_COEF - Overall erodibility/slope total for each Huc-11 Watershed

**SOILNS - Normalized overall erodibility/slope hazard for each Huc-11 watershed

**SOILRS - Ranked overall erodibility/slope hazard score, use for individual element assessment only

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Browse Graphic File Description: Huc-11 Watershed areas are shaded by values in the AVSLOPE field which details the average slope for each Huc-11 Watershed.



Standard Order Process

Digital Form/Digital Transfer Information

Format Name: Arc/Info Interchange

Transfer Size: 6.3 MB

Format Information Content: Tiled by the State of Kansas.

Digital Transfer Option

Online Option

Network Address: <http://gisdasc.kgs.ukans.edu>

Access Instructions: The State of Kansas KAT'S Soil Erodibility/Slope Hazard coverage is stored in ESRI's Arc/Info Interchange Format and can be downloaded from the DASC home page or by connecting directly to the DASC anonymous FTP server at gisdasc.kgs.ukans.edu. To connect to the FTP server use the login name of anonymous and your E-mail address as the password.

Offline Option/Offline Media: 3.5" disk, CD, 8 mm or 4 mm cartridge tape, Zip disk