HCFCD Regional BMP Database Map Data Source

Please send information request to HCFCD http://hcfcd.org/contactemail.asp should additional information concerning any of the below data be required.

Oil & Gas Wells
Contains Oil and Gas Well data obtained from the Texas Railroad Commission. This dataset was developed for HCFCD as part of an environmental inventory for Willow Creek. This data resides in the public domain and can be accessed freely without constraint.

Oil & Gas Pipeline
Contains Oil and Gas Pipeline data obtained from the Texas Railroad Commission. This dataset was developed for HCFCD as part of an environmental inventory for Willow Creek. This data resides in the public domain and can be accessed freely without constraint.

Hazardous Materials
Contains Location points from a Limited Phase I Environmental Site Assessment (ESA) through a regulatory site listing and regulatory review. This dataset was developed for HCFCD as part of an environmental inventory for Willow Creek. This data resides in the public domain and can be accessed freely without constraint.

Channel Slope
This data consists of downstream slope measurements every 500 feet in every stream and tributary within the watershed. This dataset was developed for HCFCD as part of an environmental inventory for Spring Creek. This data resides in the public domain and can be accessed freely without constraint.

Geologic Structures
This data contains geologic structures derived from the Geologic Atlas of Texas (Houston Sheet), produced by the Texas Bureau of Economic Geology, and the United States Department of Agriculture. This dataset was developed for HCFCD as part of an environmental inventory for the Brays Bayou watershed. This data resides in the public domain and can be accessed freely without constraint.

Geology
This data contains geologic formations derived from the Geologic Atlas of Texas (Houston Sheet), produced by the Texas Bureau of Economic Geology. This dataset was developed for HCFCD as part of an environmental inventory for Spring Creek. This data resides in the public domain and can be accessed freely without constraint.

Land Use
The Land Use feature class is developed by performing an aerial photo interpretation of high resolution true color digital photography. This dataset was developed for HCFCD as part of an environmental inventory for Willow Creek. This data resides in the public domain and can be accessed freely without constraint.

NWI Wetlands
This data is obtained from the USFWS in ArcInfo coverage format by quad sheet. This dataset was developed for HCFCD as part of an environmental inventory for Spring Creek. This data resides in the public domain and can be accessed freely without constraint.

Potential Wetlands
This data contains potential wetlands classifications developed by performing an aerial interpretation of CIR digital photography (DOQQs). The CIR imagery source is the Texas Natural Resource Information System (TNRIS). This dataset was developed for HCFCD as part of an environmental inventory for Spring Creek. This data resides in the public domain and can be accessed freely without constraint.

Special Resource Areas
This data captures areas of interest to HCFCD that may contain sensitive areas.
This dataset was developed for HCFCD as part of an environmental inventory for Spring Creek. This data resides in the public domain and can be accessed freely without constraint.

Soil Classifications
This data set is a digital soil survey and generally is the most detailed level of soil geographic data developed by the National Cooperative Soil Survey. The information was prepared by digitizing maps, by compiling information onto a plan metric correct base and digitizing, or by revising digitized maps using remotely sensed and other information. This data set consists of georeferenced digital map data and computerized attribute data. The map data are in a 7.5 minute quadrangle format and include a detailed, field verified inventory of soils and nonoil areas that normally occur in a repeatable pattern on the landscape and that can be cartographically shown at the scale mapped. A special soil features layer (point and line features) is optional. This layer displays the location of features too small to delineate at the mapping scale, but they are large enough and contrasting enough to significantly influence use and management. The soil map units are linked to attributes in the National Soil Information System relational database, which gives the proportionate extent of the component soils and their properties. SSURGO depicts information about the kinds and distribution of soils on the landscape. The soil map and data used in the SSURGO product were prepared by soil scientists as part of the National Cooperative Soil Survey. Digital versions of hydrography, cultural features, and other associated layers that are not part of the SSURGO data set may be available from the primary organization listed in the Point of Contact. This data resides in the public domain and can be accessed freely without constraint.

Soil Associations
This data set is a digital general soil association map developed by the National Cooperative Soil Survey. It consists of a broad based inventory of soils and nonsoil areas that occur in a repeatable pattern on the landscape and that can be cartographically shown at the scale mapped. The soil maps for STATSGO are compiled by generalizing more detailed soil survey maps. Where more detailed soil survey maps are not available, data on geology, topography, vegetation, and climate are assembled, together with Land Remote Sensing Satellite (LANDSAT) images. Soils of like areas are studied, and the probable classification and extent of the soils are determined. Map unit composition for a STATSGO map is determined by transecting or sampling areas on the more detailed maps and expanding the data statistically to characterize the whole map unit. This data set consists of georeferenced digital map data and computerized attribute data. The map data are collected in 1-by 2-degree topographic quadrangle units and merged and distributed as statewide coverage's. The soil map units are linked to attributes in the Map Unit Interpretations Record relational data base which gives the proportionate extent of the component soils and their properties. STATSGO depicts information about soil features on or near the

surface of the Earth. These data are collected as part of the National Cooperative Soil Survey. This data resides in the public domain and can be accessed freely without constraint.

Stream Habitat
This data shows the drainage network and is derived from the CAP Stream shape file maintained by HCFCD. A professional ecologist performs the habitat classifications for each stream or stream segment. This dataset was developed for HCFCD as part of an environmental inventory for Spring Creek. This data resides in the public domain and can be accessed freely without constraint.

Subwatershed
The Subwatershed feature class is derived from HCFCD's Subwatershed dataset. The purpose of the Subwatershed feature class is the provide subwatershed boundaries. This data resides in the public domain and can be accessed freely without constraint.

Threatened and Endangered Species
The Threatened and Endangered Species feature class is developed by collecting species point locations resulting from a protected species literature review and cursory habitat evaluation by assessing the Texas Parks and Wildlife Department's (TPWD) Biological and Conservation Data System (TXBCD) for elements of occurrence within the watershed. This dataset was developed for HCFCD as part of an environmental inventory for Willow Creek. This data resides in the public domain and can be accessed freely without constraint.

Threatened and Endangered Species Areas
The Threatened and Endangered Species Areas feature class is developed by collecting species area locations resulting from a protected species literature review and cursory habitat evaluation by assessing the Texas Parks and Wildlife Department's (TPWD) Biological and Conservation Data System (TXBCD) for elements of occurrence within the watershed. Threatened and Endangered Species Areas may include but are not limited to, Bald Eagle nesting territory, Red Cockaded Woodpecker nesting areas, etc. This dataset was developed for HCFCD as part of an environmental inventory for Spring Creek. This data resides in the public domain and can be accessed freely without constraint.

Topography
The Harris Co, TX 2-ft contour shape file contains contour lines derived from LIDAR DEMs. The contours were created with hydrographic enforcement to break down stream centerlinebreaklines. The data were compared to 70,000 survey ground control points to confirm the accuracy of the 2-ft contours. The contour lines were adjusted near the survey to ensure a fit. Data was created so that it could be used as highly accurate, inexpensive way to create digital topographic vector and raster files for implementation in Geographic Information Systems (GIS) and used for the Tropical Storm Allison Recovery Project. The contour data are tiled by major watershed boundaries determined by HCFCD. The contour data was created from LIDAR data that had its data points nominally spaced at 1.5-meter intervals with approximately a 0.50 meter horizontal accuracy. The 1.5-meter spacing may vary in areas not reflective to laser pulses, such as water bodies, dark asphalt roofs, and some types of glass or fiberglass construction. Surface elevation value accuracy is better than 15 centimeters. Flight altitude is approximately 915 meters, creating a data swath of approximately 550 meters. The elevation data provided is for the earth's surface and excludes vegetation, such as trees and shrubs, as well as the built environment. This data resides in the public domain and can be accessed freely without constraint.

Vegetation
This data contains vegetation classifications developed by performing an aerial interpretation of CIR and true color digital photography. The CIR imagery source is the Texas Natural Resource Information System (TNRIS), and the true color imagery source is H-GAC. This dataset was developed for HCFCD as part of an environmental inventory for Spring Creek. This data resides in the public domain and can be accessed freely without constraint.

Water Quality
This data is derived from the CAP Stream shape file maintained by HCFCD and the water quality attributes are derived from TCEQ Section 303(d) and Section 305(b) documentation This dataset was developed for HCFCD as part of an environmental inventory for Spring Creek. This data resides in the public domain and can be accessed freely without constraint.

Watershed Slope
This data consists of slope measurements for every grid of LiDAR data associated with each watershed. This dataset was developed for HCFCD as part of an environmental inventory for Spring Creek. This data resides in the public domain and can be accessed freely without constraint.

Watershed
The Watershed feature class is derived from HCFCD's Watershed dataset. The purpose of this dataset is to provide the boundary of the Brays Bayou watershed. This data resides in the public domain and can be accessed freely without constraint.