

Appendix 6 – Geospatial Databases for Pollutant Load Estimation Modeling

Data Type		Date	Resolution or Accuracy		
NOAA C-CAP		2006, 2011	30 meter		
Data Source		Coordinate System	Geographic Coverage		Format
NOAA		NAD 83	Coastal Regions		TIFF
Scale	Acceptance Criteria (See Instructions)				
1:100,000	Only source available in a format with consistent coverage				
Intended Use					
Impervious surface and land cover data is assigned to each coverage class in data set. This information is needed for modeling.					

Data Type		Date	Resolution or Accuracy		
Land Use		2006, 2011	NA		
Data Source		Coordinate System	Geographic Coverage		Format
HGAC		WGS 1984	HGAC Region		dBASE Table/ Shapefile
Scale	Acceptance Criteria (See Instructions)				
1:2,400 per HCAD	Only source available in a format with consistent coverage				
Intended Use					
Land use data is assigned to each parcel; this information is intended for use modeling					

Data Type		Date	Resolution or Accuracy		
SSURGO County Soil Surveys		1999	1:50 at scale		
Data Source		Coordinate System	Geographic Coverage		Format
USDA NRCS		NAD 83	Nationwide		Shapefile
Scale	Acceptance Criteria (See Instructions)				
1:20,000	Only source available in a format with consistent coverage				
Intended Use					
Water infiltration rates are assigned to each class of soil. Infiltration rates will be factored in the model to estimate effective runoff.					

Data Type		Date	Resolution or Accuracy		
TCEQ 2010 Stream Segments		2011	1:50 at scale		
Data Source		Coordinate System	Geographic Coverage		Format
TCEQ		Decimal Degrees, NAD 83	Statewide		Shapefile
Scale	Acceptance Criteria (See Instructions)				
NA	Only source available in a format with consistent coverage				
Intended Use					
This is reference data set to be used for illustration purposes. This dataset is not a model input.					

Data Type		Date	Resolution or Accuracy		
Digital Elevation Data		2006	10 meters		
Data Source		Coordinate System	Geographic Coverage		Format
USGS		WGS84	Nationwide		DEM
Scale	Acceptance Criteria (See Instructions)				
N/A	Only source available in a format with consistent coverage				
Intended Use					
This data set is used to define subbasins in the study area.					

Data Type	Date	Resolution or Accuracy
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CHARM Grid		2014	NA	
Data Source		Coordinate System	Geographic Coverage	Format
TCWP		DD, NAD83	Galveston County	Shapefile
Scale	Acceptance Criteria (See Instructions)			
1:2,400	A shell dataset prepared for purposes of managing and parsing modeling inputs, intermediate steps, and outputs.			
Intended Use				
This geospatial layer is not a data set in the sense of input or output data. It is, in effect, a spatial spreadsheet. It is used to manage data relationships between spatial layers and modeling inputs and outputs.				