

Geodatabase Design Project

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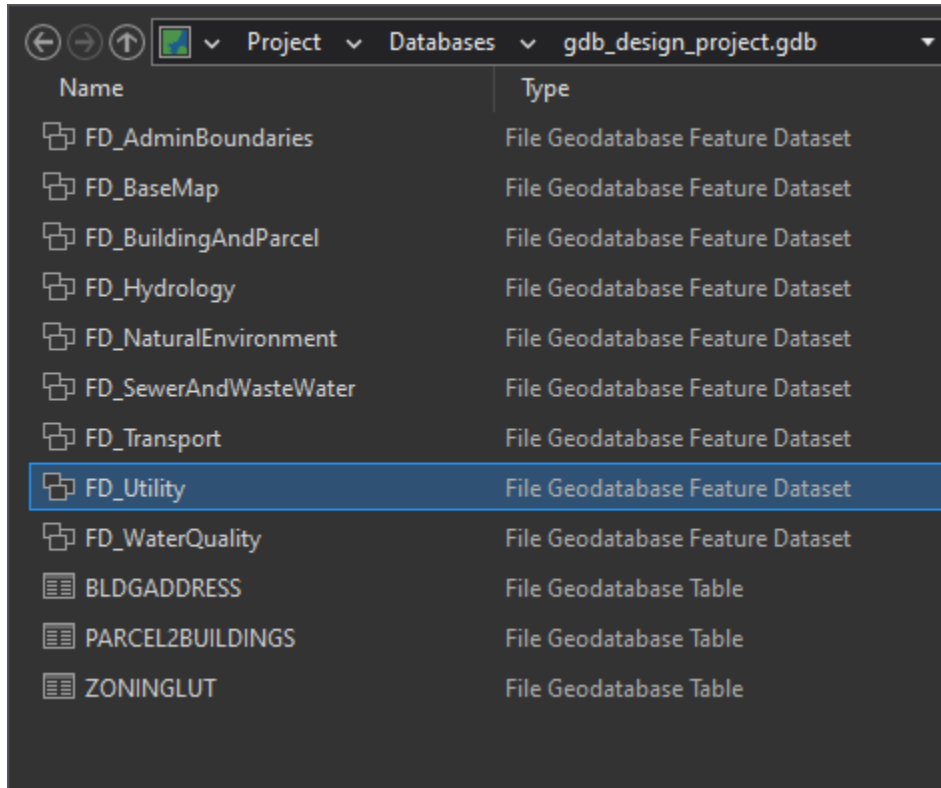
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1 Overview of Feature Datasets and Tables

Geodatabase: ***`gdb_design_project.gdb`***

The geodatabase contains nine feature datasets and three tables as follows:



Name	Type
FD_AdminBoundaries	File Geodatabase Feature Dataset
FD_BaseMap	File Geodatabase Feature Dataset
FD_BuildingAndParcel	File Geodatabase Feature Dataset
FD_Hydrology	File Geodatabase Feature Dataset
FD_NaturalEnvironment	File Geodatabase Feature Dataset
FD_SewerAndWasteWater	File Geodatabase Feature Dataset
FD_Transport	File Geodatabase Feature Dataset
FD_Utility	File Geodatabase Feature Dataset
FD_WaterQuality	File Geodatabase Feature Dataset
BLDGADDRESS	File Geodatabase Table
PARCEL2BUILDINGS	File Geodatabase Table
ZONINGLUT	File Geodatabase Table

2 Details of Feature Datasets with Feature Classes

2.1 Boundaries and Districts

Feature Dataset: **FD_AdminBoundaries**

Provides information about the administrative boundaries of various county entities. The CountyBoundary feature class is generated from the Parcel feature class but is included here for completeness. The table BLDGADDRESS contains the address information associated with the Buildings feature class. The table ZONINGLUT contains the definitions of all the local zone classifications and their relationship to the County-wide general zoning classifications.

Name	Type
CensusBlock	File Geodatabase Feature Class
CensusTract	File Geodatabase Feature Class
Census_Topology	File Geodatabase Topology
CongressionalDistrict	File Geodatabase Feature Class
CountyBoundary	File Geodatabase Feature Class
ElectionDistrict	File Geodatabase Feature Class
Fire_Topology	File Geodatabase Topology
FireJurisdiction	File Geodatabase Feature Class
Franchise	File Geodatabase Feature Class
LegislativeDistrict	File Geodatabase Feature Class
Municipality	File Geodatabase Feature Class
PoliceJurisdiction	File Geodatabase Feature Class
RecyclingDistrict	File Geodatabase Feature Class
SSA	File Geodatabase Feature Class
WQMA	File Geodatabase Feature Class
Zoning	File Geodatabase Feature Class

Boundaries and Districts

Tags County X, Boundaries, Administrative

Summary
Feature dataset containing administrative boundaries for county X.

Description
Provides information about the administrative boundaries of various county entities. The CountyBoundary feature class is generated from the Parcel feature class but is included here for completeness.

Credits
There are no credits for this item.

Use limitations
There are no access and use limitations for this item.

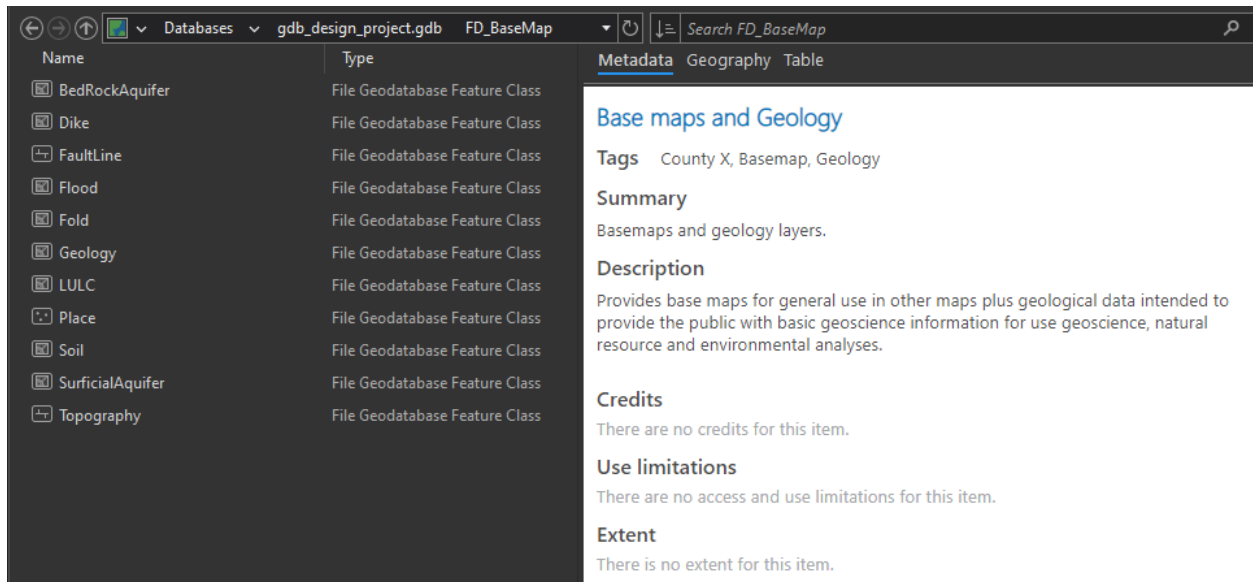
Extent
There is no extent for this item.

Scale Range

2.2 Base maps and Geology

Feature Dataset: ***FD_BaseMap***

Provides base maps for general use in other maps, plus geological data intended to provide the public with basic geoscience information for use geoscience, natural resource and environmental analyses.



The screenshot shows the ArcGIS Desktop interface with the 'FD_BaseMap' feature dataset selected. The left pane lists the following feature classes:

Name	Type
BedRockAquifer	File Geodatabase Feature Class
Dike	File Geodatabase Feature Class
FaultLine	File Geodatabase Feature Class
Flood	File Geodatabase Feature Class
Fold	File Geodatabase Feature Class
Geology	File Geodatabase Feature Class
LULC	File Geodatabase Feature Class
Place	File Geodatabase Feature Class
Soil	File Geodatabase Feature Class
SurficialAquifer	File Geodatabase Feature Class
Topography	File Geodatabase Feature Class

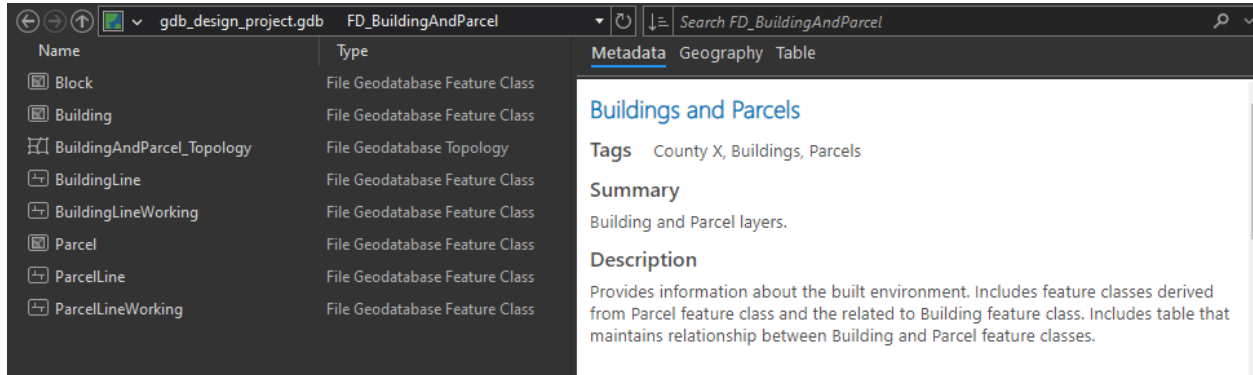
The right pane displays the metadata for 'FD_BaseMap' under the 'Metadata' tab. The metadata includes the following sections:

- Base maps and Geology**
- Tags** County X, Basemap, Geology
- Summary** Basemaps and geology layers.
- Description** Provides base maps for general use in other maps plus geological data intended to provide the public with basic geoscience information for use geoscience, natural resource and environmental analyses.
- Credits** There are no credits for this item.
- Use limitations** There are no access and use limitations for this item.
- Extent** There is no extent for this item.

2.3 Buildings and Parcels

Feature Dataset: ***FD_BuildingAndParcel***

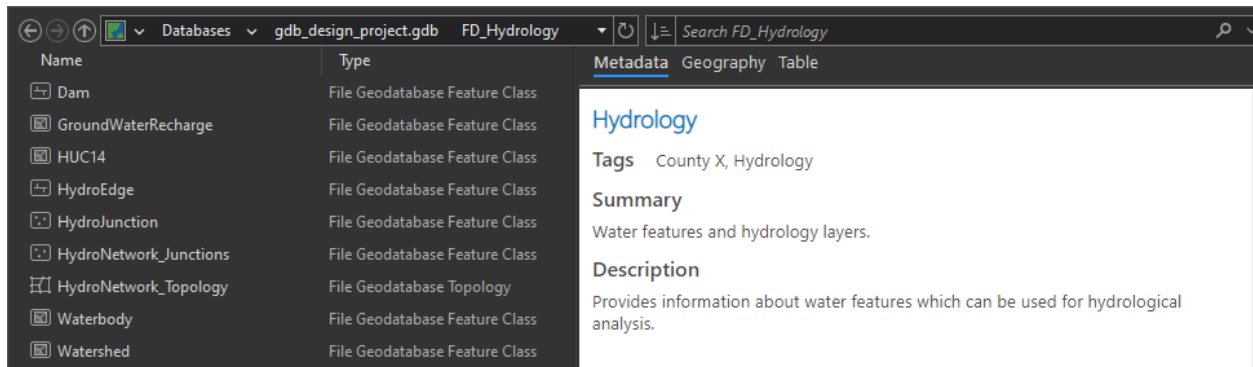
Provides information about the built environment. Includes feature classes derived from Parcel feature class and the related Building feature classes. The table PARCEL2BUILDINGS maintains the relationship between Building and Parcel feature classes.



2.4 Hydrology

Feature Dataset: ***FD_Hydrology***

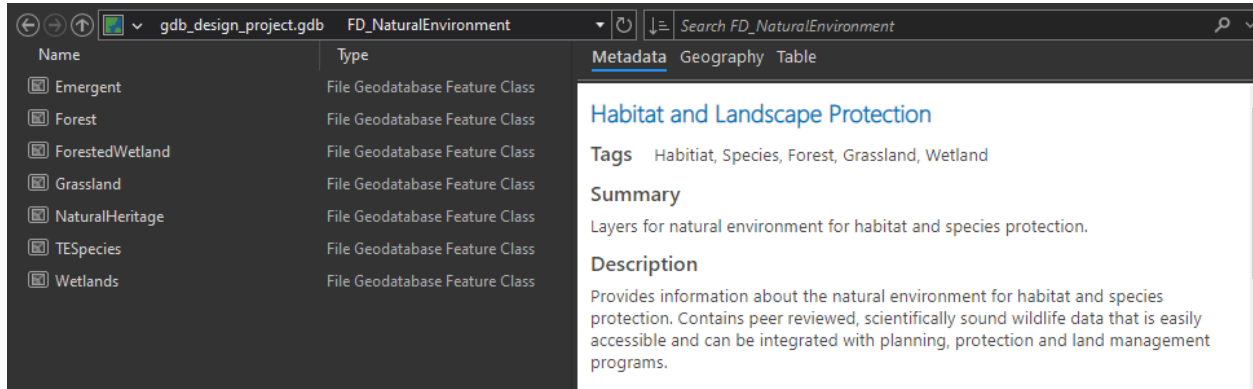
Provides information about water features which can be used for hydrological analysis.



2.5 Habitat and Landscape Protection

Feature Dataset: ***FD_NaturalEnvironment***

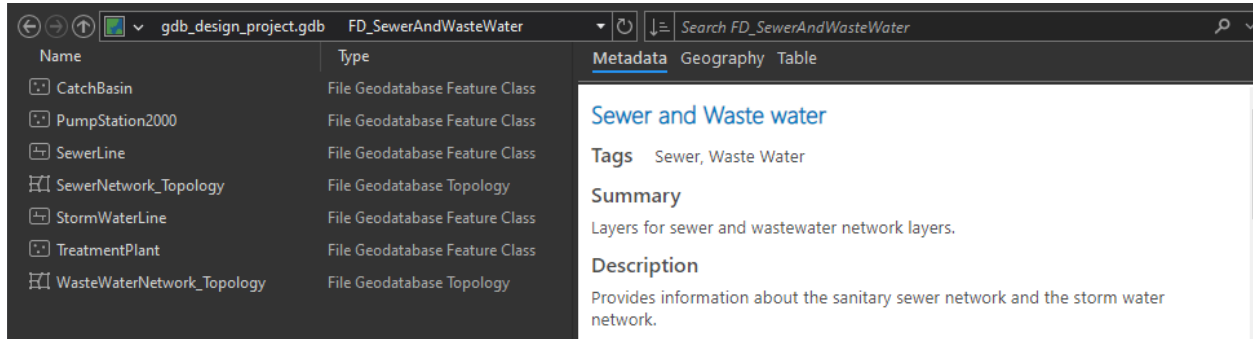
Provides information about the natural environment for habitat and species protection. Contains peer reviewed, scientifically sound wildlife data that is easily accessible and can be integrated with planning, protection, and land management programs.



2.6 Sewer and Wastewater

Feature Dataset: ***FD_SewerAndWasteWater***

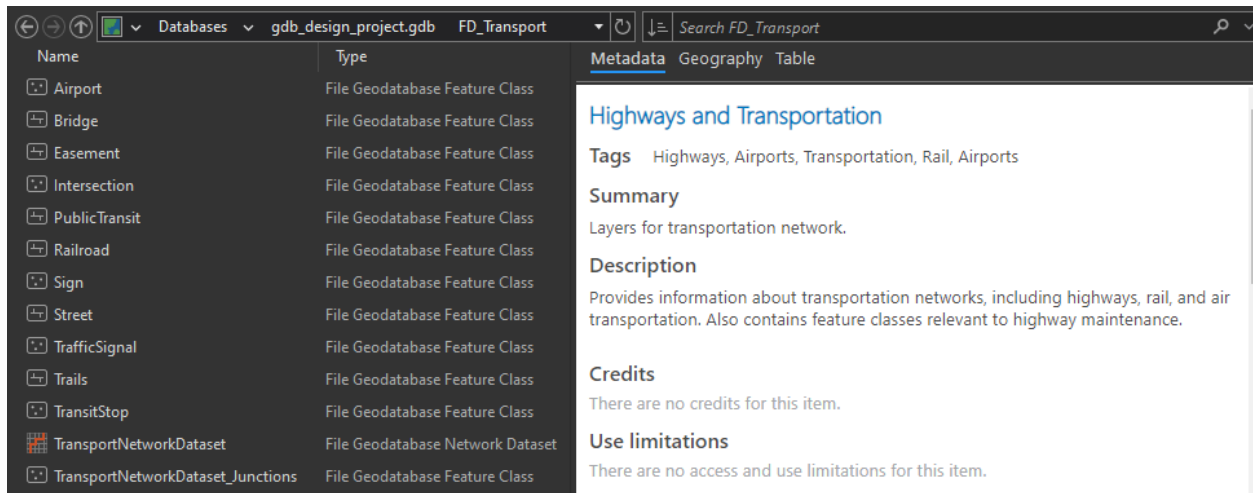
Provides information about the sanitary sewer network and the storm water network.



2.7 Highways and Transportation

Feature Dataset: **FD_Transportation**

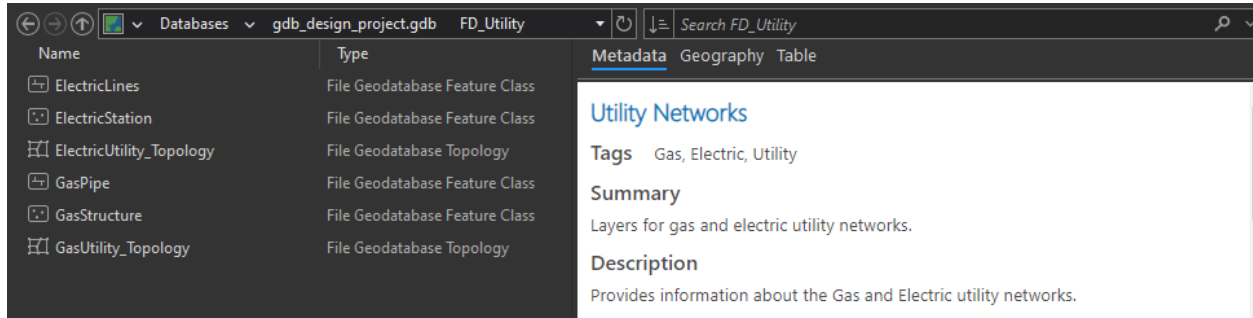
Provides information about transportation networks, including highways, rail, and air transportation. Also contains feature classes relevant to highway maintenance.



2.8 Utility Networks

Feature Dataset: **FD_Utility**

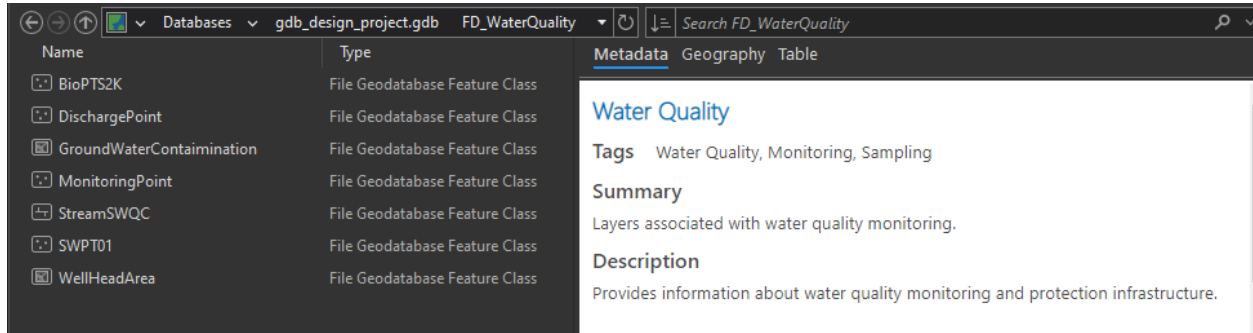
Provides information about the Gas and Electric utility networks.



2.9 Water Quality

Feature Dataset: ***FD_WaterQuality***

Provides information about water quality monitoring and protection infrastructure.



3 Details of Tables

There are three tables as follows:

3.1 BLDGADDRESS




The table BLDGADDRESS contains the address information associated with the Buildings feature class. This is a 1:M relationship between the addresses and the buildings to accommodate for structures that have more than one address associated with it.

3.2 PARCEL2BUILDINGS

The table PARCEL2BUILDINGS is a M: N relationship table between the parcels to buildings.

3.3 ZONINGLUT

The table ZONINGLUT is a look up table which contains the definitions of all the local zone classifications and their relationship to the County-wide general zoning classifications. The local zone classifications are from the official zoning maps adopted by each municipality. The generalized zone classifications were created by the X County Planning Division for the purpose of having common county-wide classifications.

 BLDGADDRESS	File Geodatabase Table
 PARCEL2BUILDINGS	File Geodatabase Table
 ZONINGLUT	File Geodatabase Table