



County Boundaries Attribute Schema and Metadata

[Data Set Title – County Boundary](#)

SUMMARY – The data contained within this collection represents the County Boundaries of Arkansas.

DESCRIPTION – The county boundary is a publication of polygons of all counties in Arkansas. It represents the contemporary boundary of each county as established or altered by various Acts of the Arkansas Legislature. The database provides location, and population information for use in local and regional cartographic and spatial analysis applications. When necessary the data were adjusted to conform to known physical features recited in the Acts. This dataset does not represent exact legal boundaries as per surveyed description, but, rather a set of boundaries used for the administrative purposes that conforms to logical & administrative rules. These polygons may be edited for the purpose of small spatial alignment changes based on new, enhanced or improved supporting base map data, such as orthoimagery, public land survey system (PLSS), or precision PLSS corner control data that improves the spatial accuracy of the existing geometry.

CONTENT SCHEMA

Column Name	Description
County	Stores the legal name of the county.
State FIPS	Stores the five-digit unique numerical code for the state and county based on the Federal Information Processing Standard 173.
County FIPS	Stores the three-digit unique numerical code for the county based on the Federal Information Processing Standard 173.
Pop1900	Stores the US Census Bureau population count from the 1900 decennial census.
Pop1910	Stores the US Census Bureau population count from the 1910 decennial census.
Pop1920	Stores the US Census Bureau population count from the 1920 decennial census.

Pop1930	Stores the US Census Bureau population count from the 1930 decennial census.
Pop1940	Stores the US Census Bureau population count from the 1940 decennial census.
Pop1950	Stores the US Census Bureau population count from the 1950 decennial census.
Pop1960	Stores the US Census Bureau population count from the 1960 decennial census.
Pop1970	Stores the US Census Bureau population count from the 1970 decennial census.
Pop1980	Stores the US Census Bureau population count from the 1980 decennial census.
Pop1990	Stores the US Census Bureau population count from the 1990 decennial census.
Pop2000	Stores the US Census Bureau population count from the 2000 decennial census.
Pop2010	Stores the US Census Bureau population count from the 2010 decennial census.
Pop2020	Stores the US Census Bureau population count from the 2020 decennial census.
Eff_ Date	Stores the effective date of the latest boundary change of the county. For this publication, this is the effective date the Act of the Arkansas Legislature. The Effective Date Format is YYYYMMDD.
Rev_ Date	Stores the revision date the individual boundary polygon was changed. This is the edit date of the polygon.
Rev_Type	Stores the type of edit revision to the boundary polygon. [LIST DOMAIN] VALUES Legal Update – Represents a boundary revision resulting from a statutory procedure permitted by Arkansas law. Tells the user the edit revision was a result of an Act of the Arkansas Legislature.

Geometry Correction - Represents small spatial alignment changes based on new, enhanced or improved supporting basemap data, such as orthoimagery, public land survey, or precision PLSS corner control data that improves the spatial accuracy of the existing geometry.

Sq_Miles Stores the calculated square miles of area fully contained within the county. Square mileage area calculation derived from geometry calculation of each boundary polygon.

Data Set Title – County Boundary Change

SUMMARY – The data contained within this collection is designed to assist the Arkansas GIS Office in tracking spatial accuracy improvements to the county boundary data set through tracking with the use of individual change polygons.

DESCRIPTION – County boundary changes are typically published after a revised publication of the county boundary. The county boundary change is a publication consisting of multiple individual polygons each representing a unique boundary change. The Arkansas GIS Office maintains this file. These change polygons can represent geometry corrections that are a result of improved spatial accuracy measured from the Public Land Survey System data and may from time to time also record changes that are a function of legislative action by the Arkansas Legislature. Many of these polygons represent small slivers, which allow the user to visualize and track the scope and extent of the changes. When necessary the data were adjusted to conform to known physical features. This dataset does not represent exact legal boundaries as per surveyed description, but, rather a set of boundaries used for the administrative purposes that conforms to logical & administrative rules.

Column Name	Description
Counties	Stores the legal names of each county affected by the boundary change.
Instrument	Stores a reference to an adopted Act of the Arkansas Legislature. This reference only includes the most recent Act. It DOES NOT include ALL legislative Acts associated with the boundary change.
Eff_Date	Stores the effective date of the boundary change for that area . For this publication, this is the date the Act became effective. The Effective Date Format is YYYYMMDD.

Rev_Date	Stores the revision date the individual boundary polygon was changed. This is the edit date of the polygon.
Sq_Miles	Stores the GIS calculated square miles of area fully contained within the change polygon. Square mileage area calculation derived from geometry calculation of each change polygon.
Acres	Stores the GIS calculated acres of area fully contained within the change polygon. Acres area calculation derived from geometry calculation of each change polygon.
Rev_Type	Stores the type of the boundary change. Indicates the type of change being represented by the polygon. [LIST DOMAIN] VALUES <u>Legislative Act</u> – Indicates the County boundary was changed by an Act of the Arkansas Legislature. <u>Geometry Correction</u> – Indicates the County boundary changed due to a correction in geometry based on improved supporting data.

GEOMETRY CORRECTION PROCESSING RULES

Boundary Change Polygons should be created at locations where these criteria are observed.

- Snap to PLSS Corner Control, then digitize in a perpendicular direction from the PLSS corner control point to the county line for correction, then along the county line to a point of the next vertex, then finish for closure.
- Change polygon created when area is greater than five (5) acres in size.
- Change polygon created when manmade structures are contained within the change area.
- Change polygon created when manmade structures are measured perpendicular within 100 feet from the change line.

Riparian Correction – Indicates a County boundary correction due to a riparian event such as accretion, avulsion, erosion or other hydrologic forces.

Record Link	Stores a hyperlink to scanned copies of the legislative Act documenting the boundary change.
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