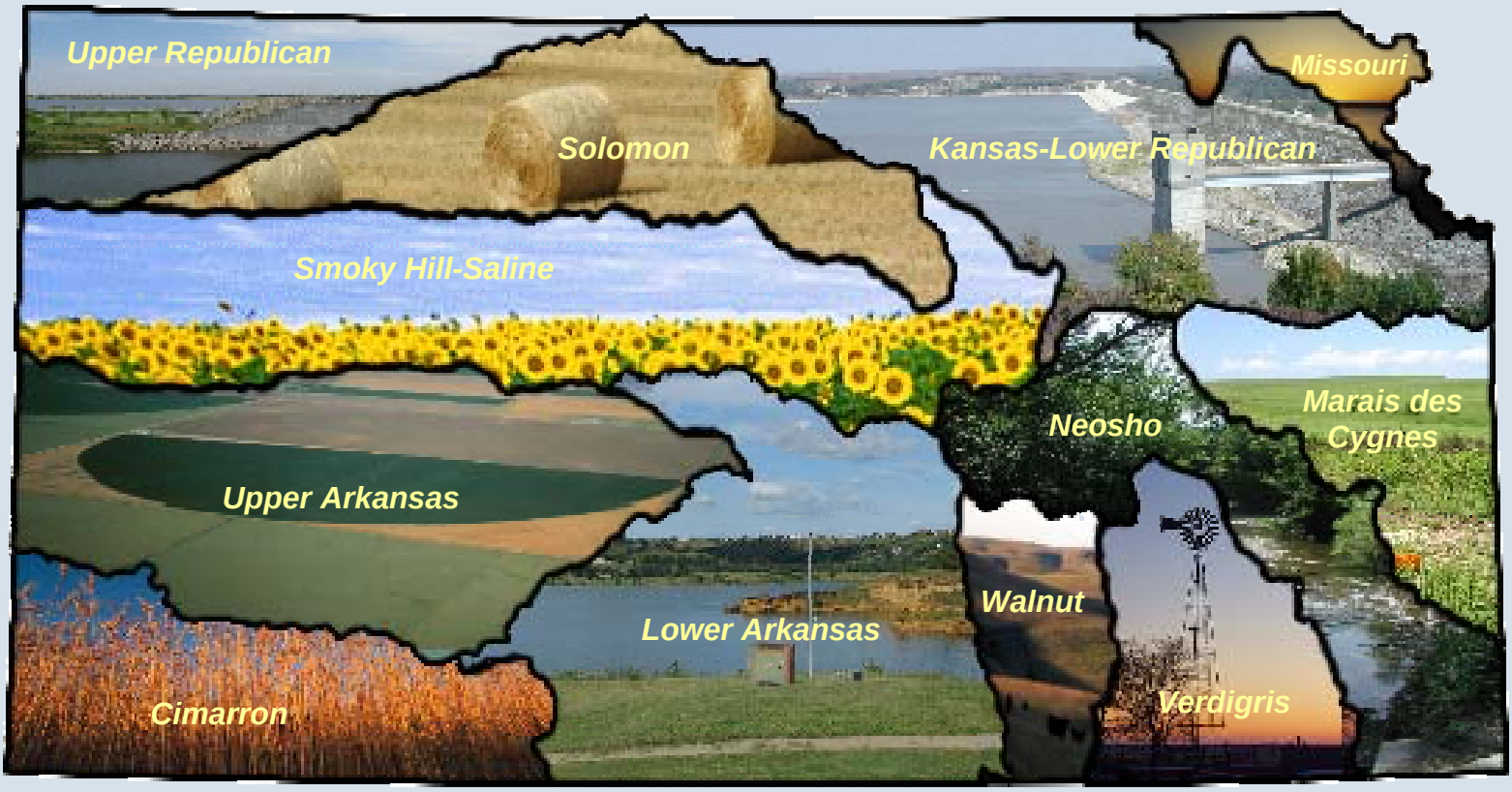
Kansas Water Plan



Atlas

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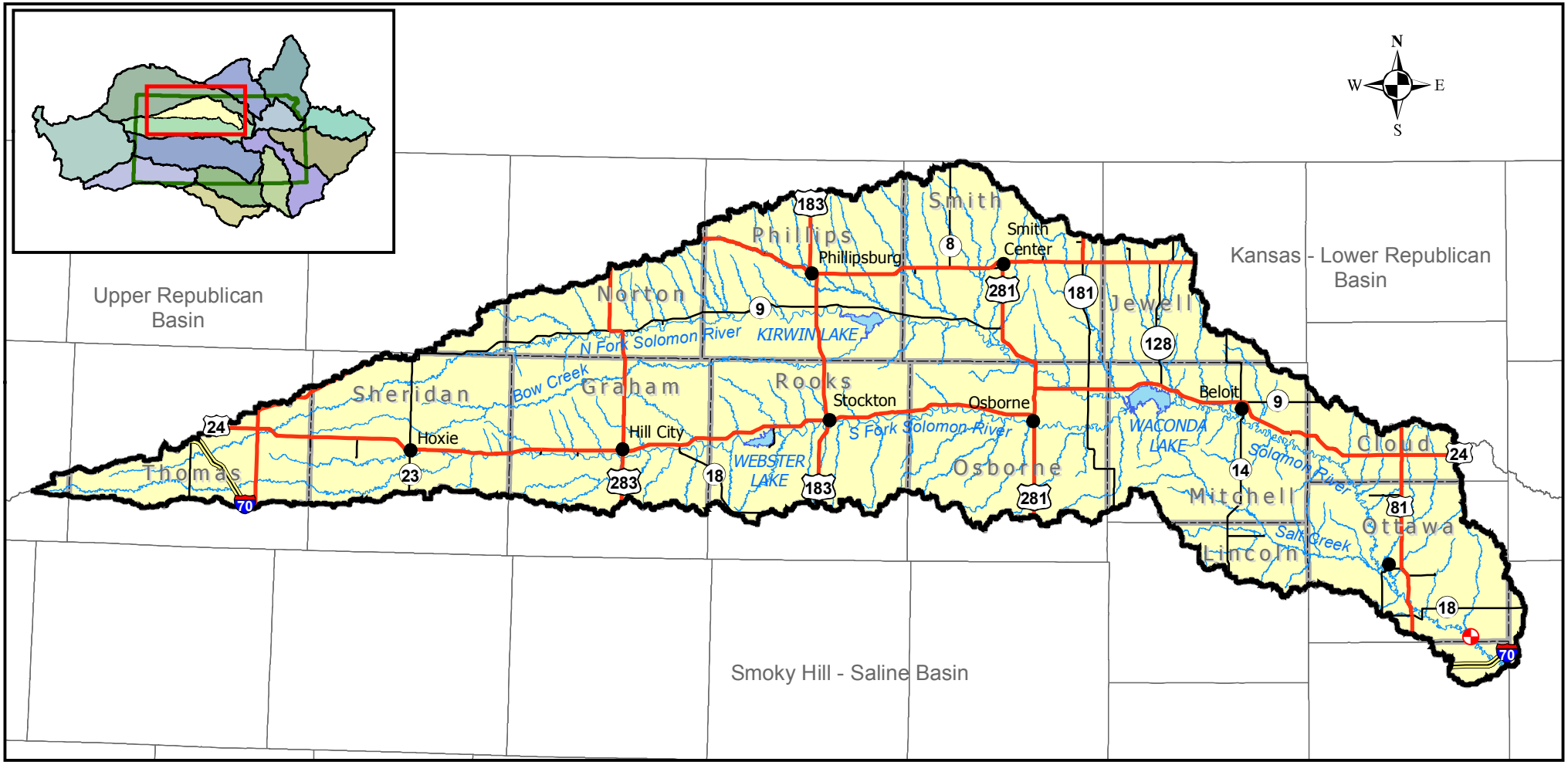


County Seat
MDS Gage*
Interstate Highway
US Highway
Kansas Highway
Hydrology
Federal Lake
County

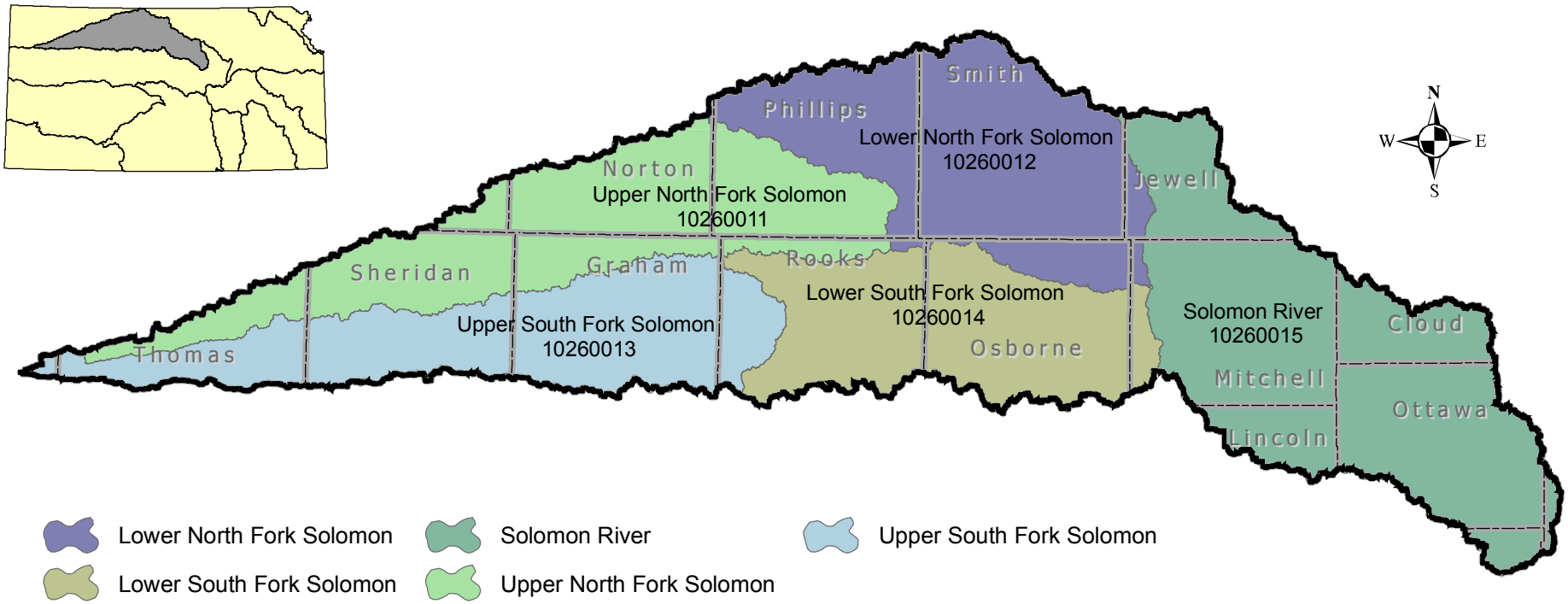
* Minimum Desirable Streamflow

30 15 0 30 Miles

Kansas Water Office, April 2008

Solomon Basin

HUC-08 Subbasins

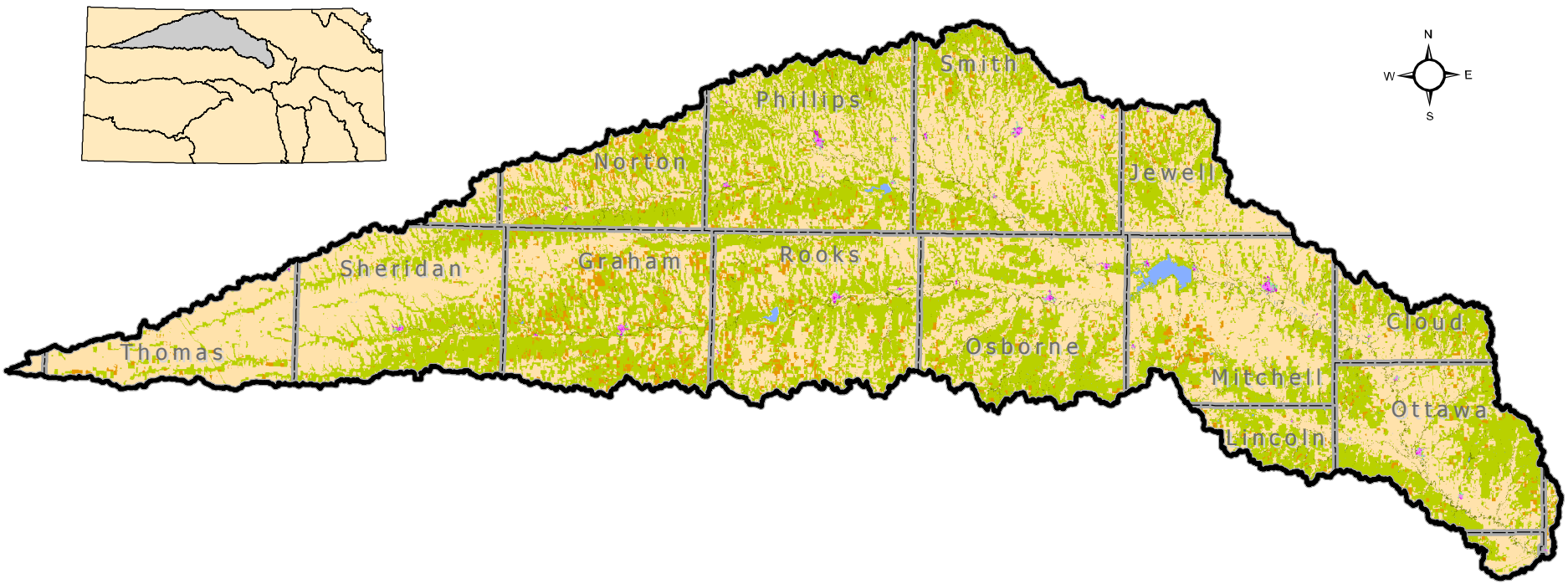


50 25 0 50 Miles

Kansas Water Office, May 2008

Solomon Basin

2005 Land Use / Land Cover



Legend

- Urban Industrial/Commercial
- Urban Residential
- Urban Openland
- Urban Woodland
- Urban Water
- Cropland
- Grassland
- Conservation Reserve Program (CRP)
- Woodland
- Water
- Other

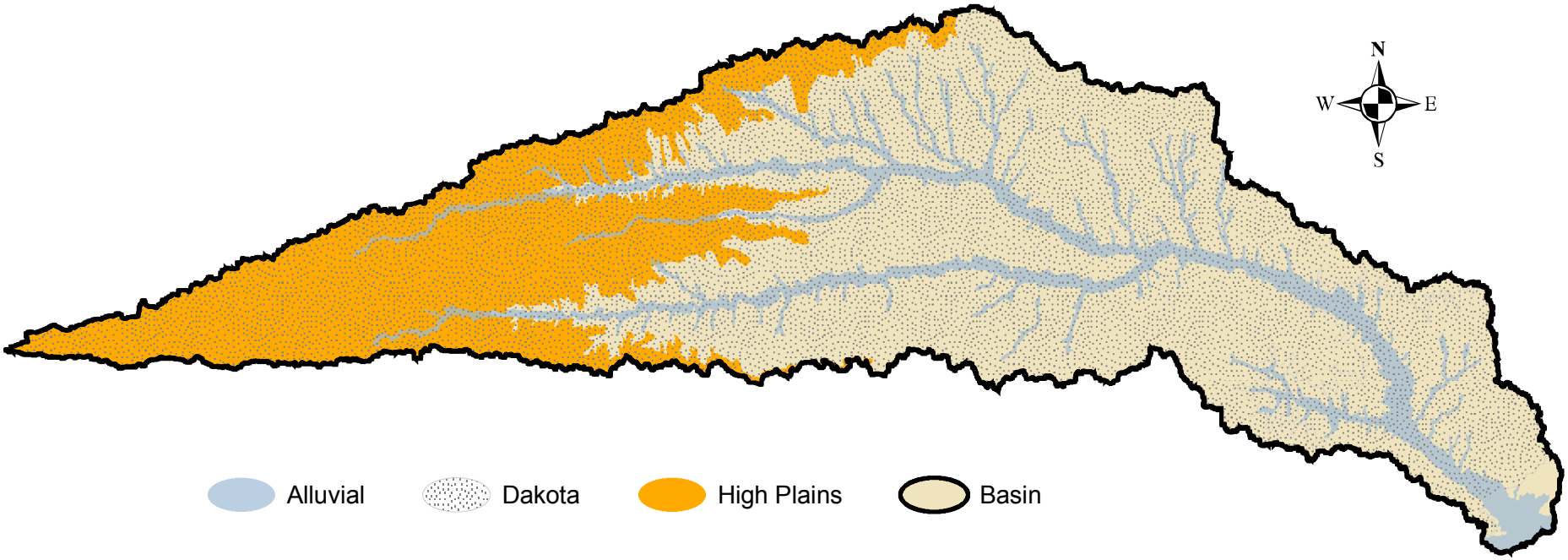
50 25 0 50 Miles

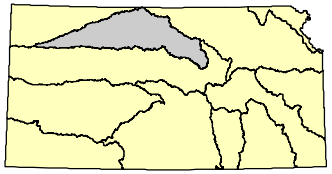
Source: Landsat 5 imagery, Kansas Applied Remote Sensing Program, University of Kansas

Kansas Water Office, October 2008

Solomon Basin

Aquifers



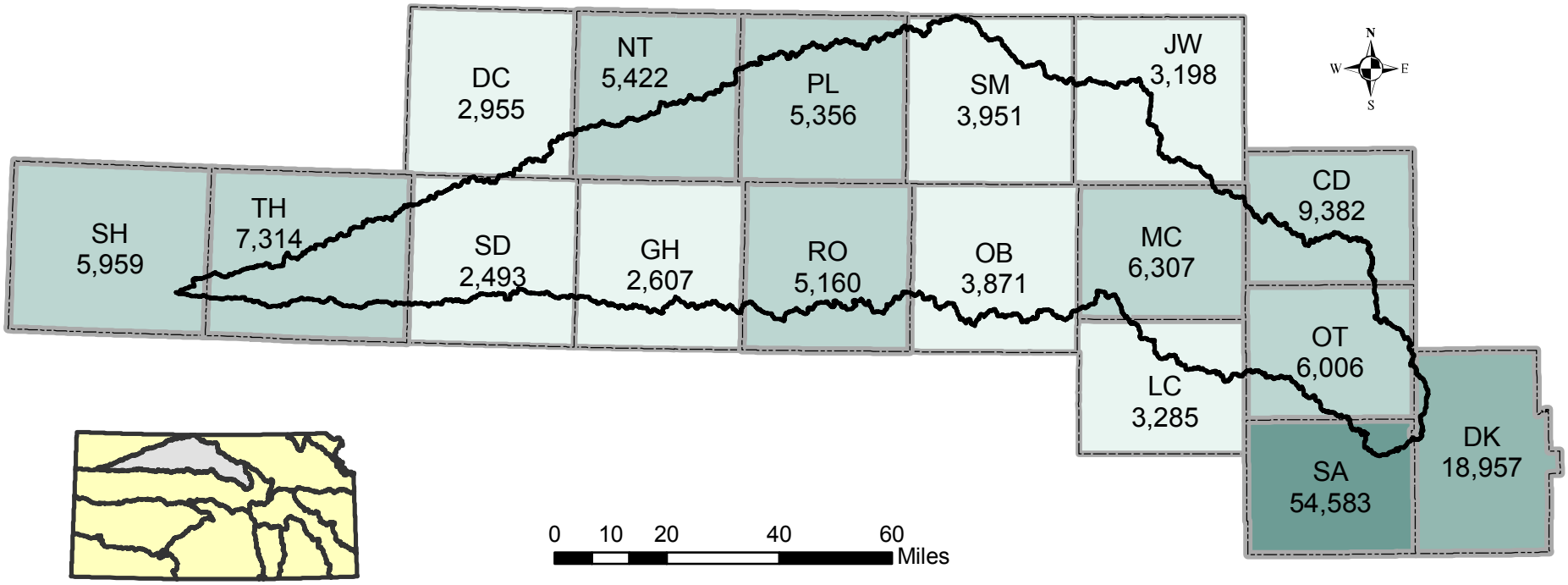


0 20 40 80 Miles

Data Source: U.S. Geological Survey
Prepared for Kansas Water Plan 2008

Solomon Basin

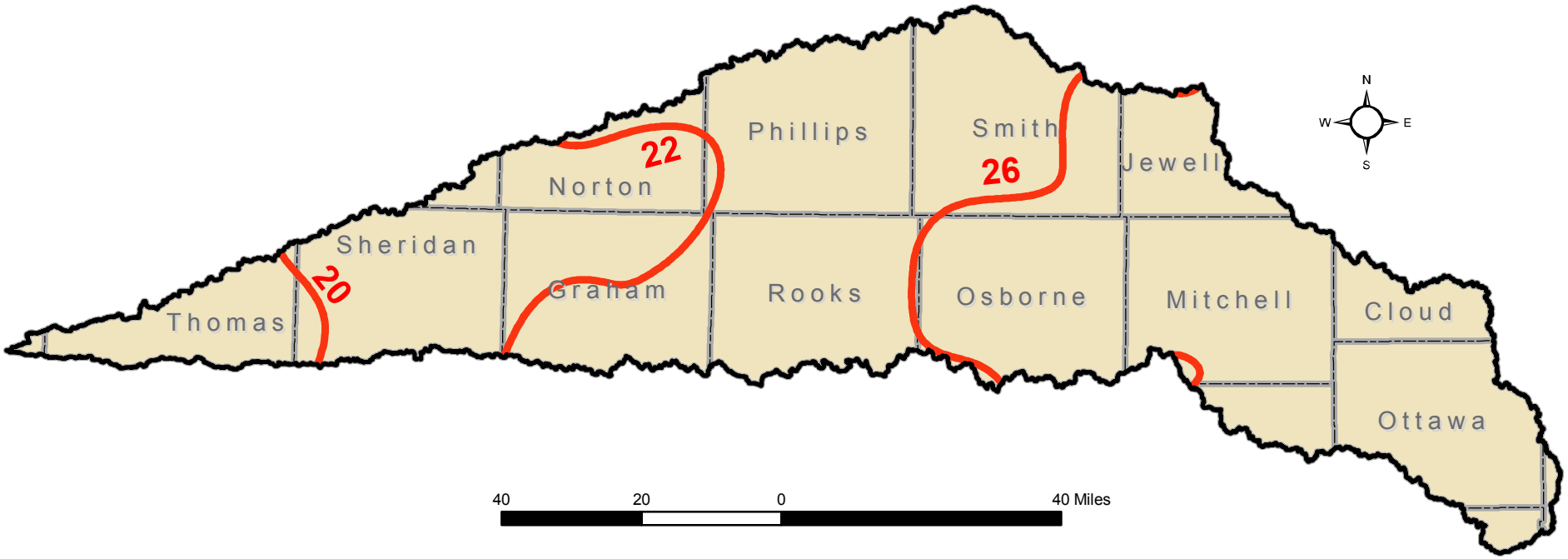
2007 Population Estimates by County



Prepared for Kansas Water Plan 2008

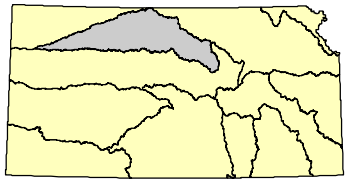
Data Sources:
Kansas Division of Budget, July 1, 2008

Solomon Basin
Precipitation



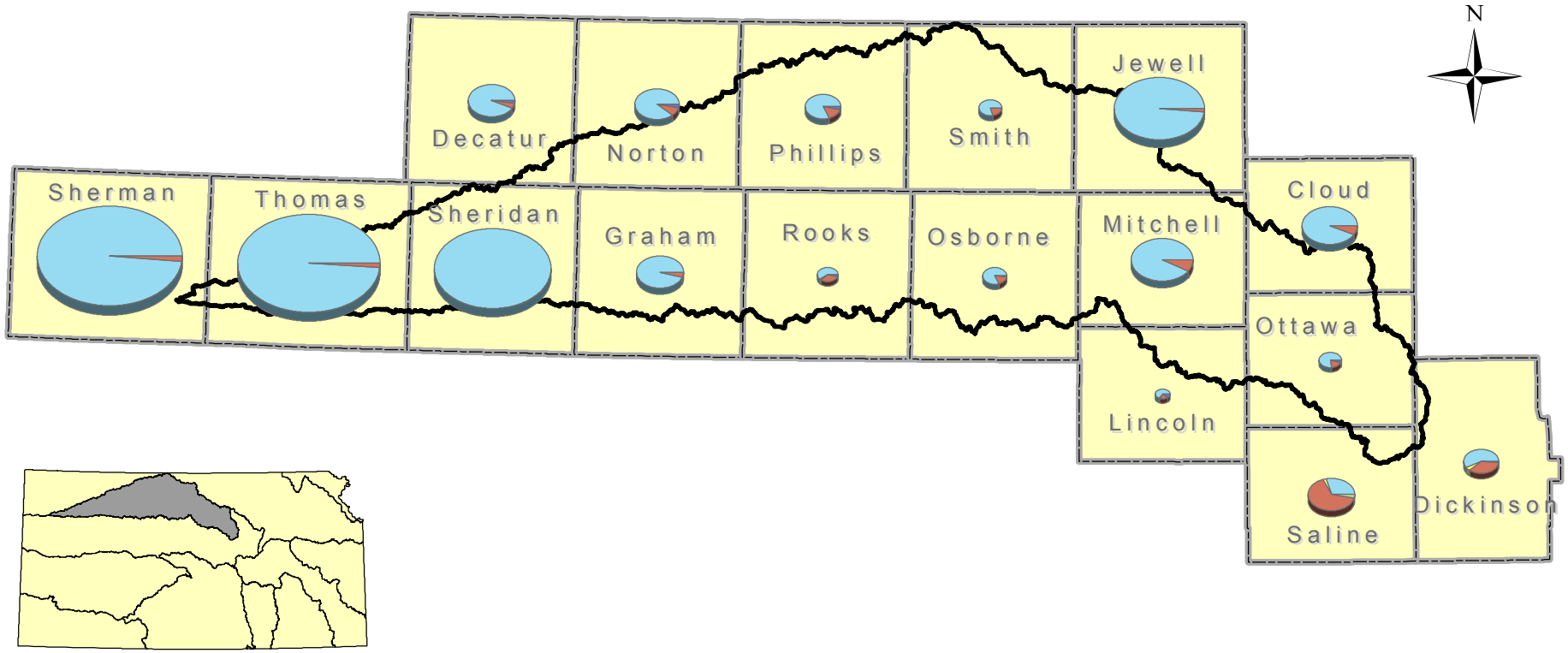
Precipitation Contour

Data Source: National Climate Data Center (NCDC)
Prepared for Kansas Water Plan 2008



Solomon Basin

2006 Water Use By County



Data Sources:
Division of Water Resources, Water Use Program
Kansas Water Office, Water Marketing Program

40 20 0 40 Miles

Kansas Water Office, May 2008

Water Use by Type of Use

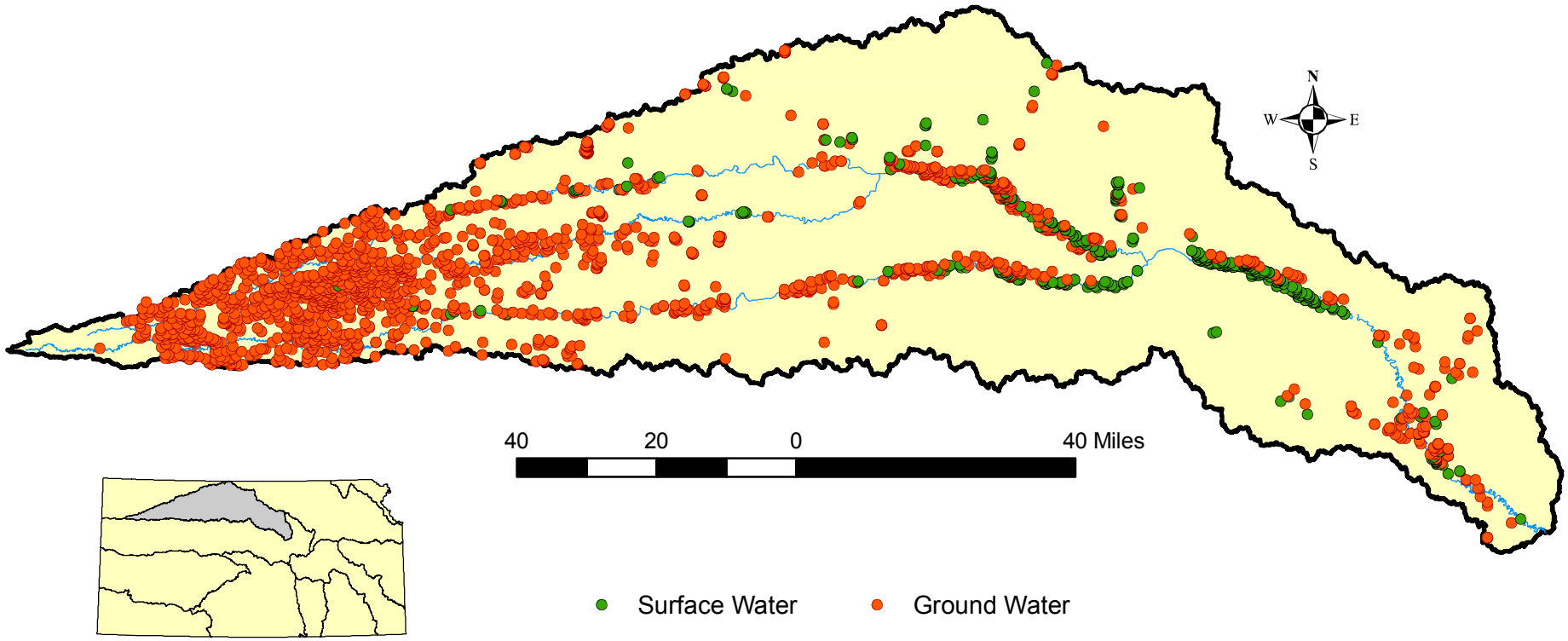
Acre Feet

33,000

Irrigation
Industry
Municipal
Recreation
Stock Water

Solomon Basin

Irrigation Points of Diversion

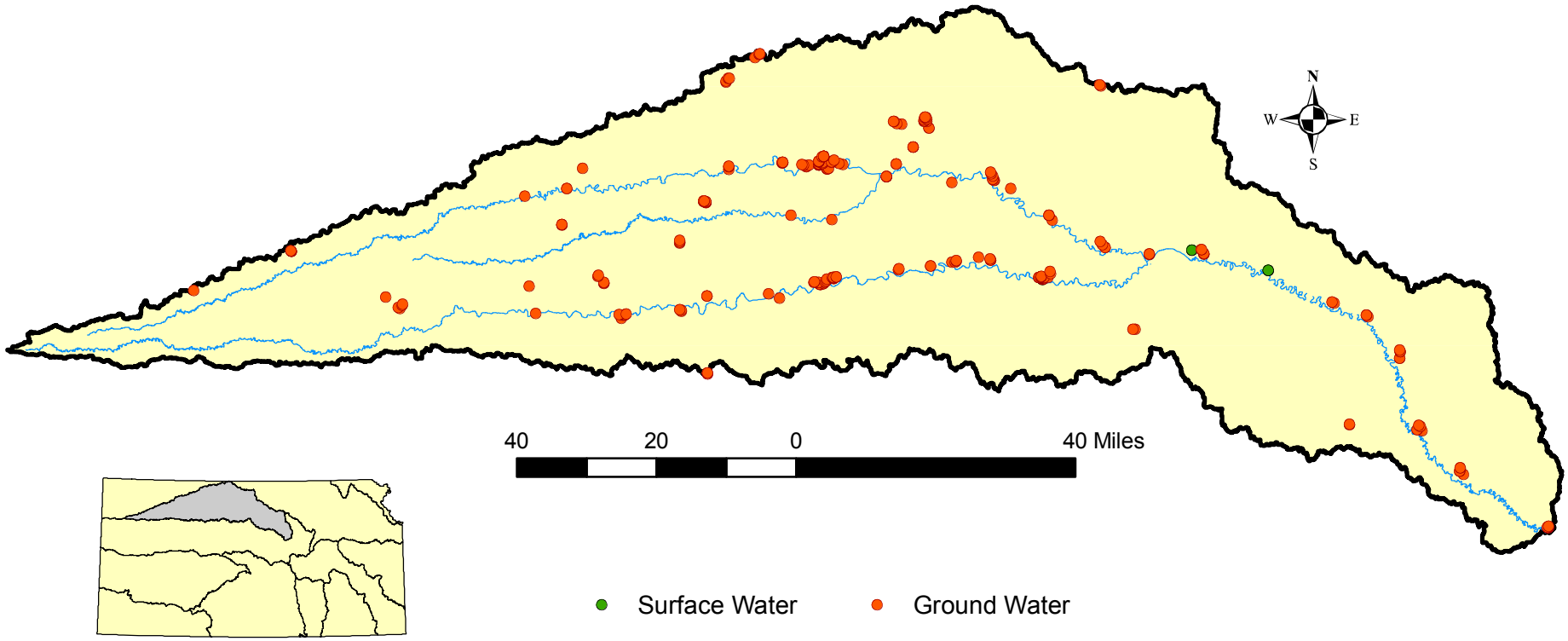


Data Source: Kansas Department of Agriculture, November 2008

Prepared for Kansas Water Plan 2008

Solomon Basin

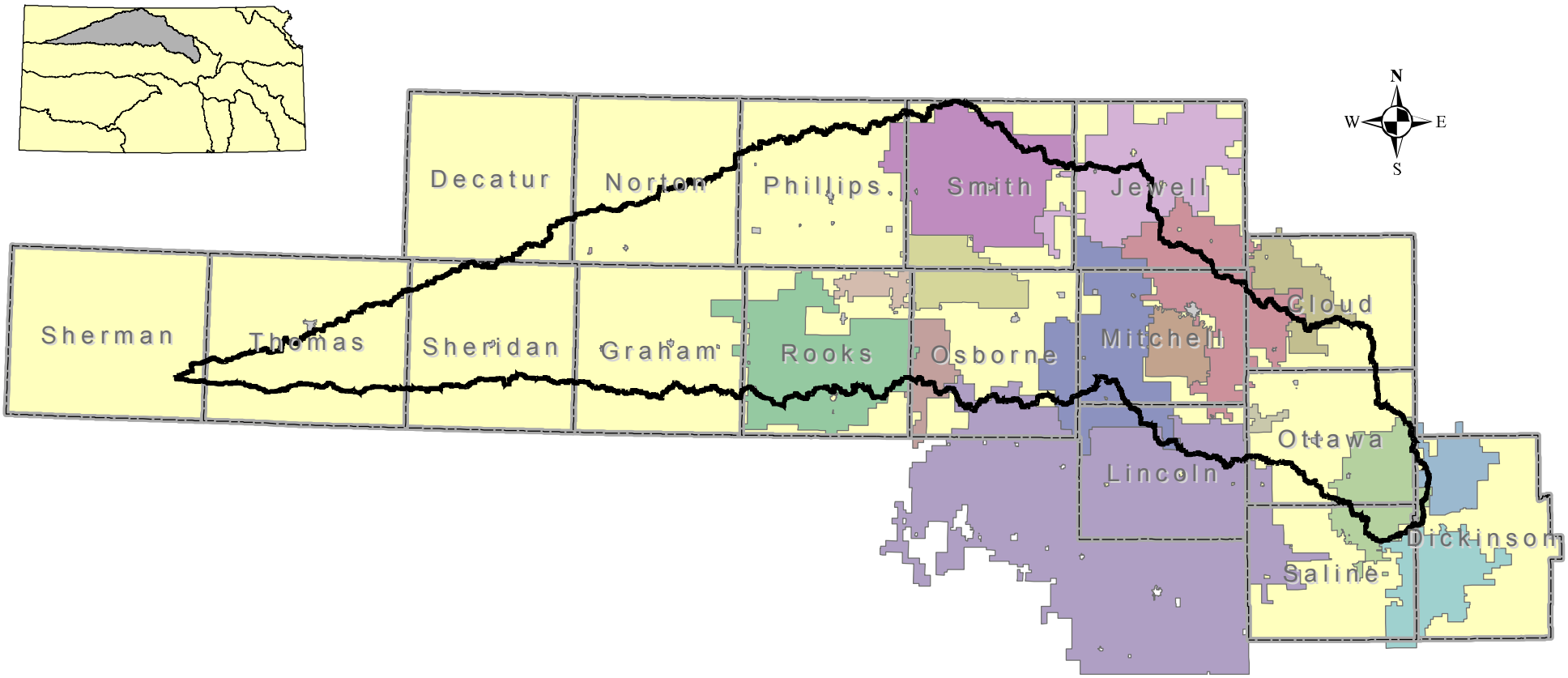
Municipal Points of Diversion



Data Source: Kansas Department of Agriculture, November 2008

Prepared for Kansas Water Plan 2008

Solomon Basin
Public Water Suppliers

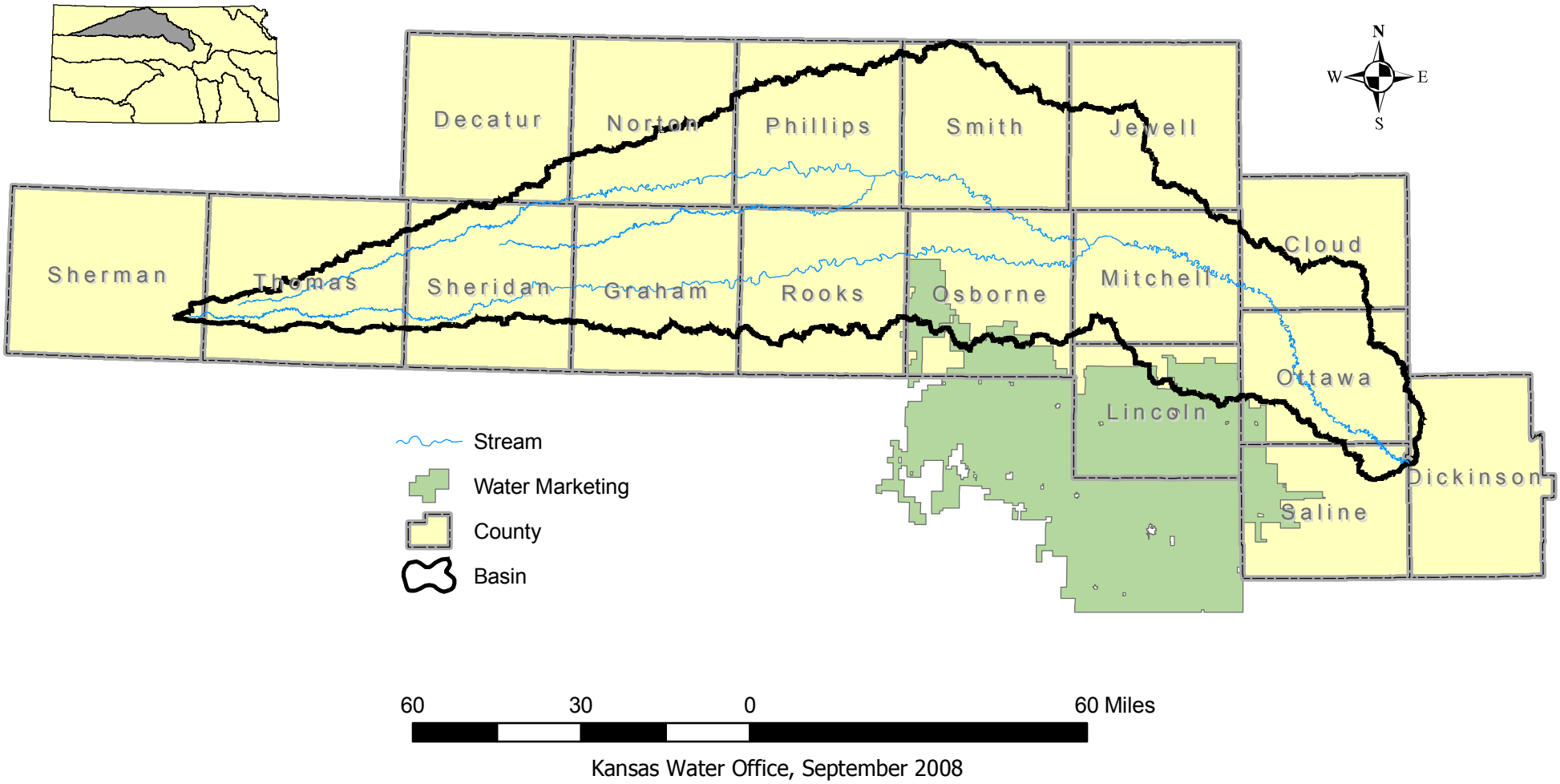


50 25 0 50 Miles

Kansas Water Office, September 2008

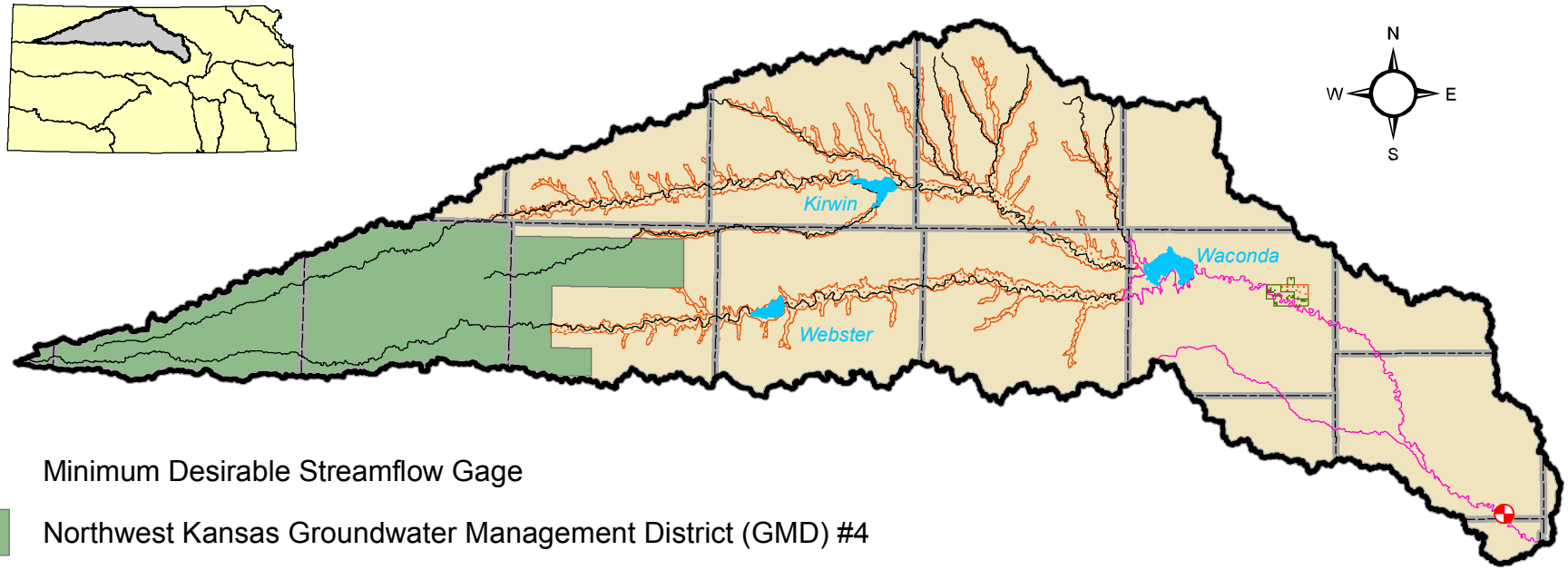
Solomon Basin

Federal Lake Storage Customers



Kansas Water Office, September 2008

Solomon Basin
Water Management



Minimum Desirable Streamflow Gage

Northwest Kansas Groundwater Management District (GMD) #4

Closed or Restricted Area*

Closed Stream

Restricted Stream

Closed

Special Restrictions

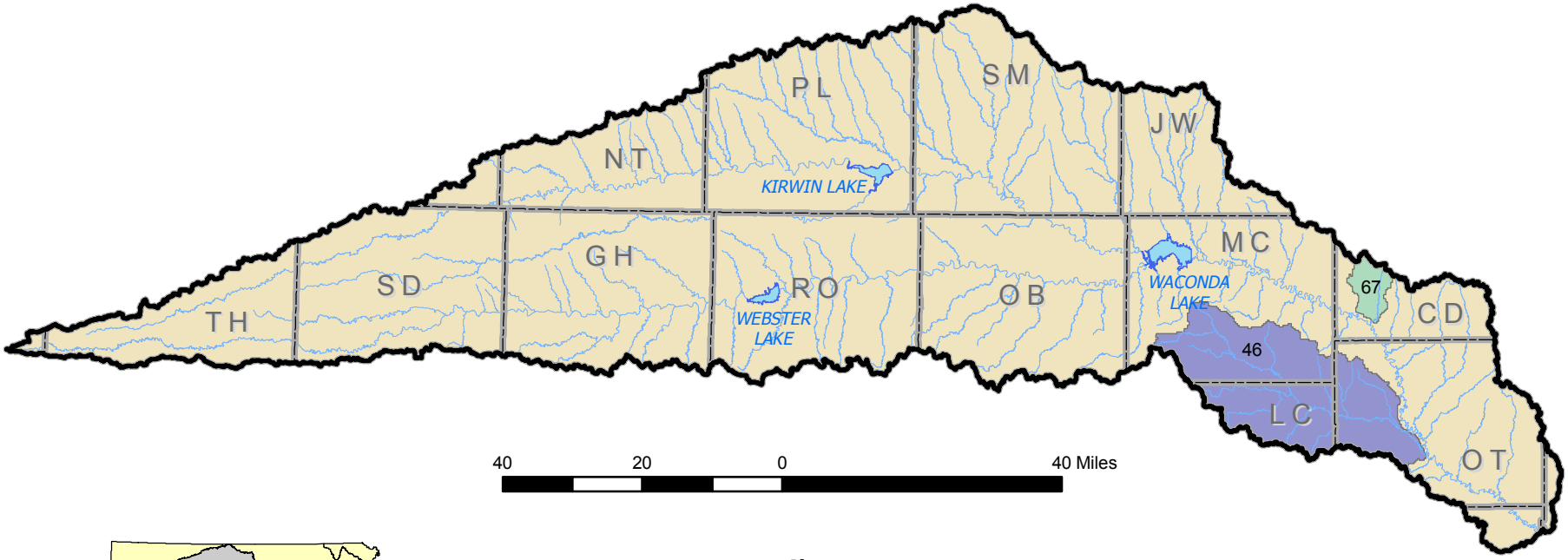
* See Regulation for details

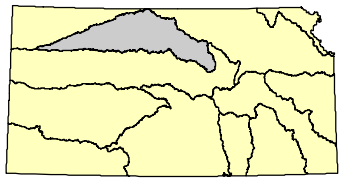
30 15 0 30 Miles

Kansas Water Office, November 2008

Source:
Kansas Department of Agriculture

Solomon Basin
Watershed Districts





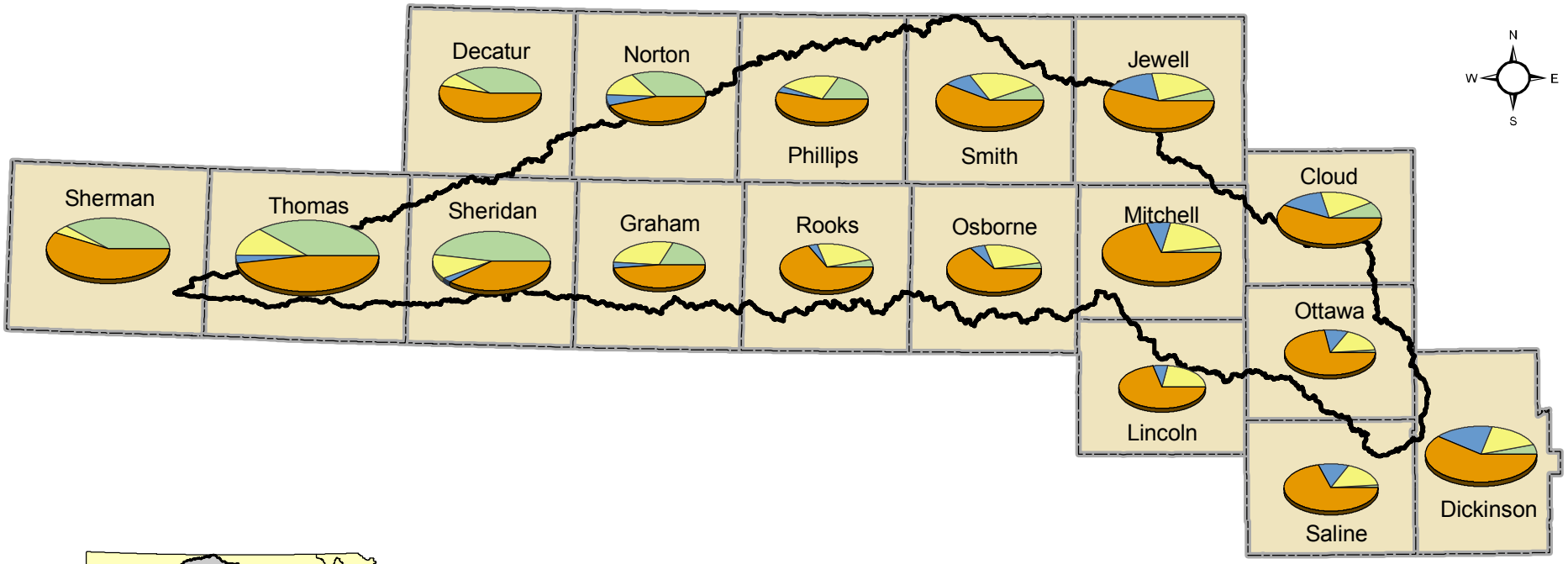
ID	Name
46	Salt Creek
67	Fisher & Criss Creek

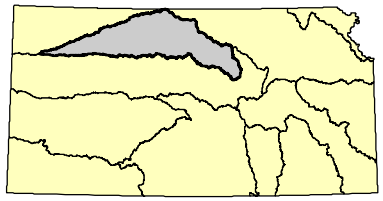
Kansas Water Office, November 2008

Source:
Kansas Department of Agriculture and State Conservation Commission

Solomon Basin

2007 Harvested Crop Inventory by County





Acres

100,000

Corn

Grain Sorghum

Soybean

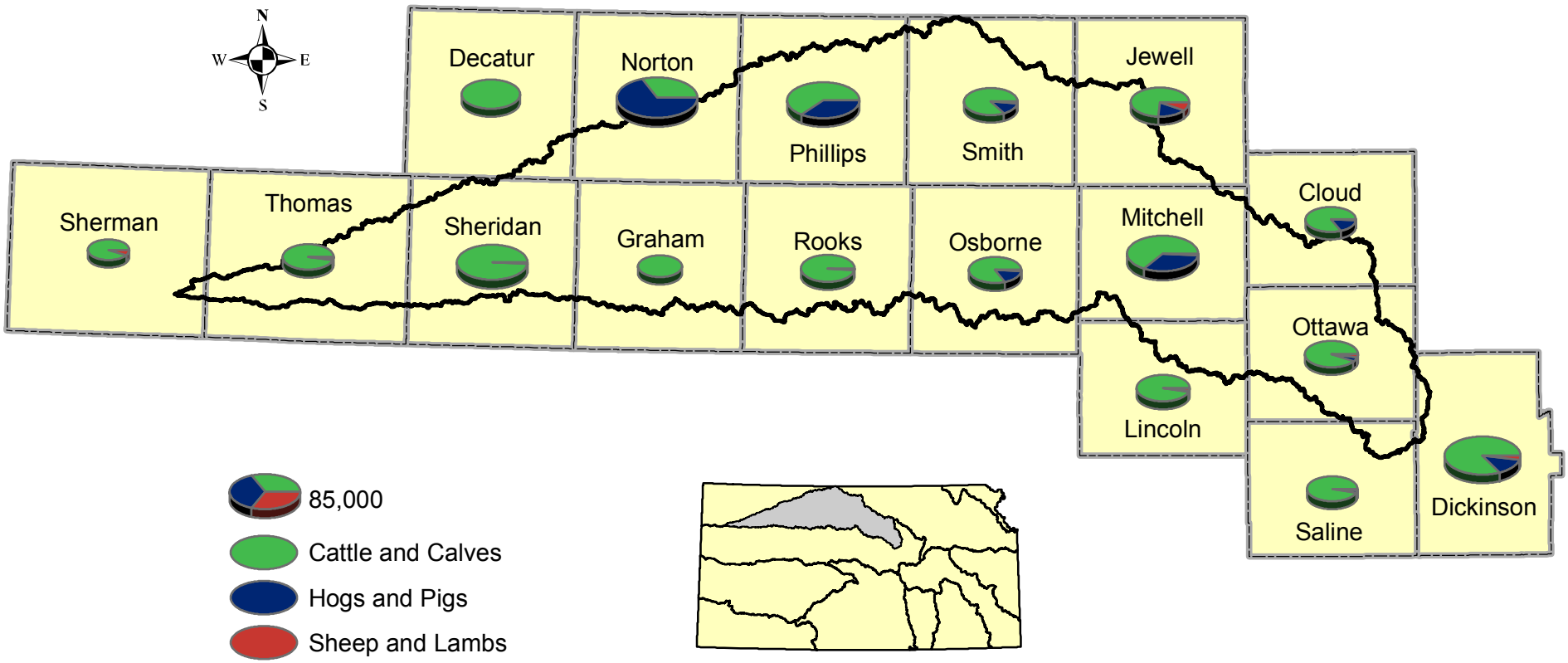
Wheat

0 20 40 80 Miles

Data Sources: Kansas Agricultural Statistics
Prepared for Kansas Water Plan 2008

Solomon Basin

2002 Livestock Inventory by County



0 12.5 25 50 75 Miles

Note: Some data not shown to protect individual farm operations

Data Sources: 2002 Census of Agriculture
Prepared for Kansas Water Plan 2008