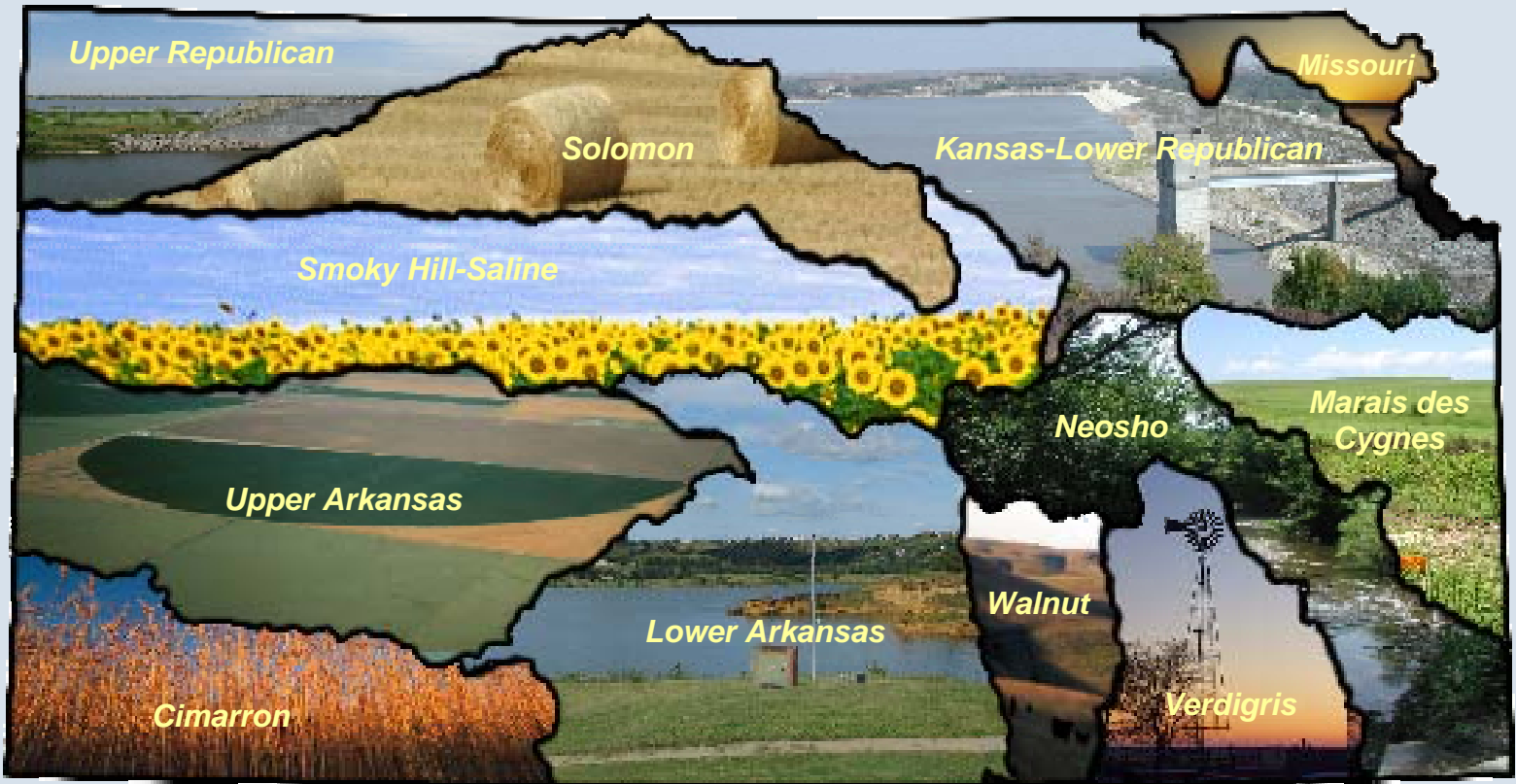


# Kansas Water Plan



Atlas

# ***Kansas Water Plan - Atlas***

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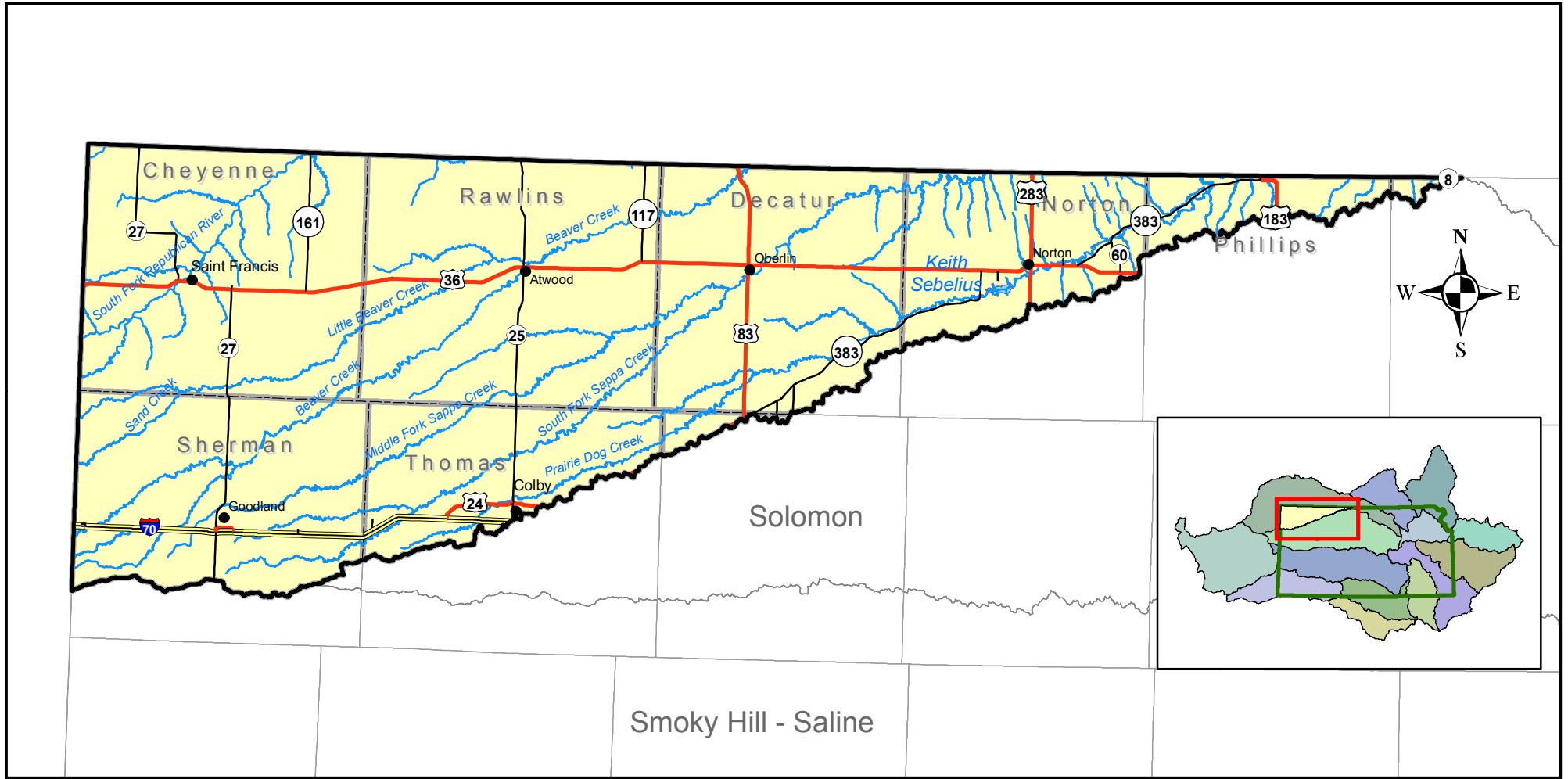
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# Upper Republican Basin



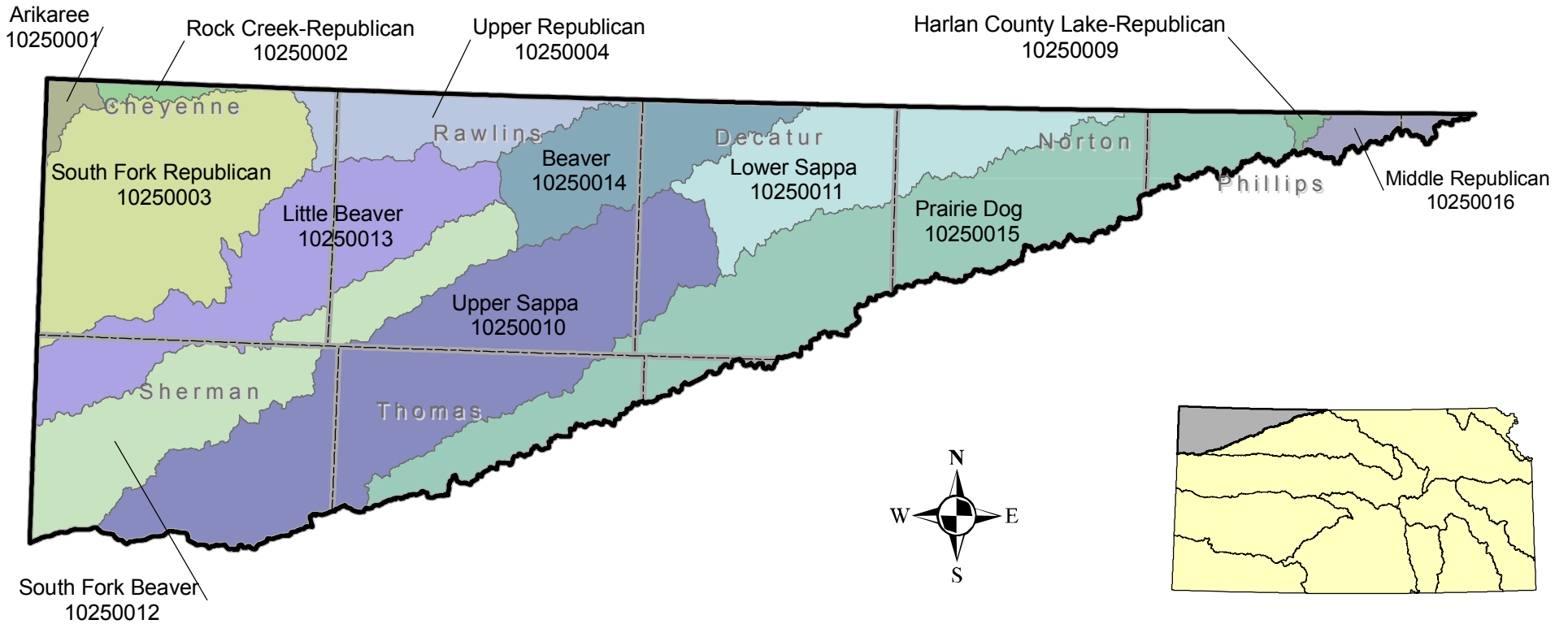
Kansas Water Office, February 2008













- County Seat
- ⚡ Interstate Highway
- ⚡ Kansas Highway
- 🗺 County
- 🌊 Hydrology
- 🛣 US Highway
- 🌊 Federal Lake



# Upper Republican Basin

## HUC-08 Subbasins



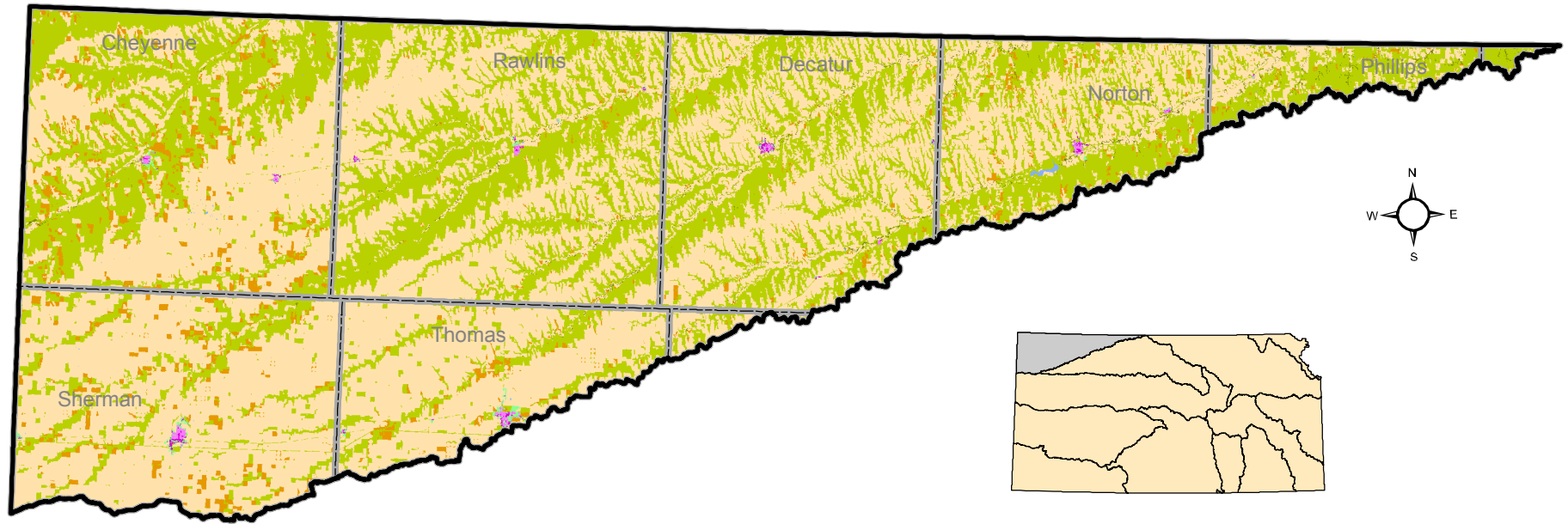
- |   |   |   |   |
|---|---|---|---|
|  Arikaree                      |  Little Beaver     |  Prairie Dog           |  South Fork Republican |
|  Beaver                        |  Lower Sappa       |  Rock Creek-Republican |  Upper Republican      |
|  Harlan County Lake-Republican |  Middle Republican |  South Fork Beaver     |  Upper Sappa           |

30 15 0 30 Miles

Kansas Water Office, May 2008

# Upper Republican Basin

## 2005 Land Use / Land Cover

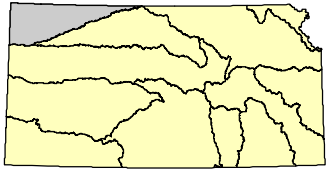
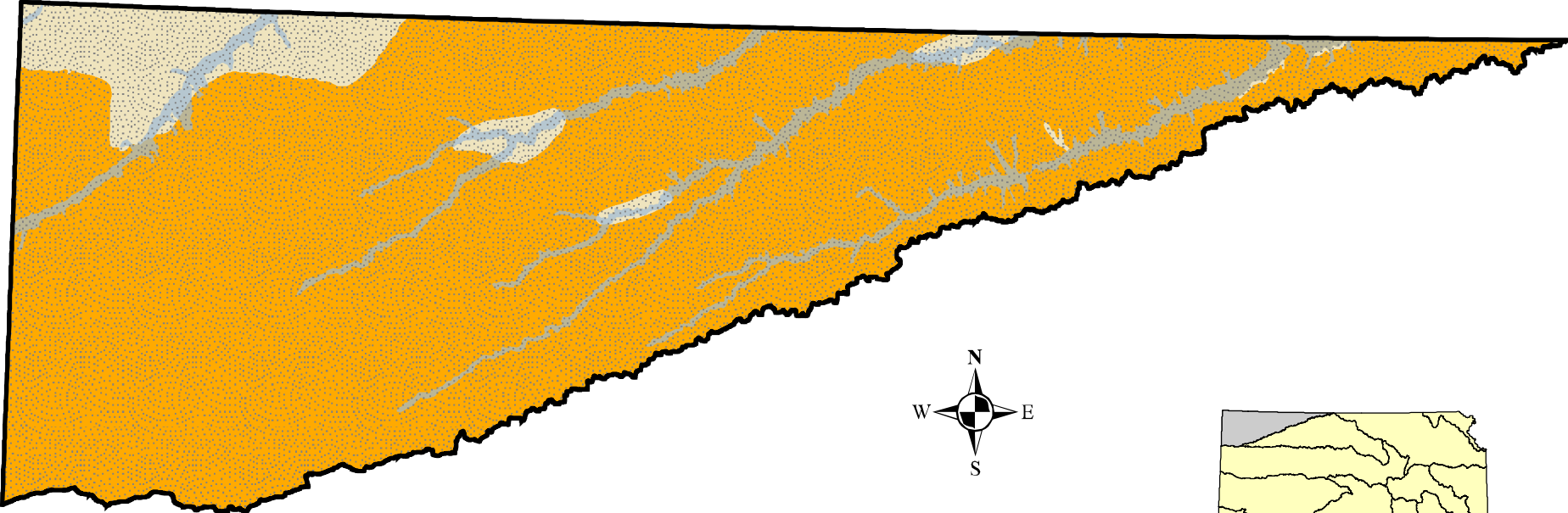


### Legend



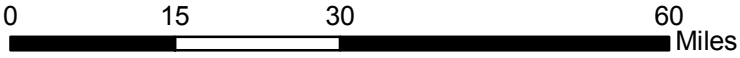
# Upper Republican Basin

## Aquifers



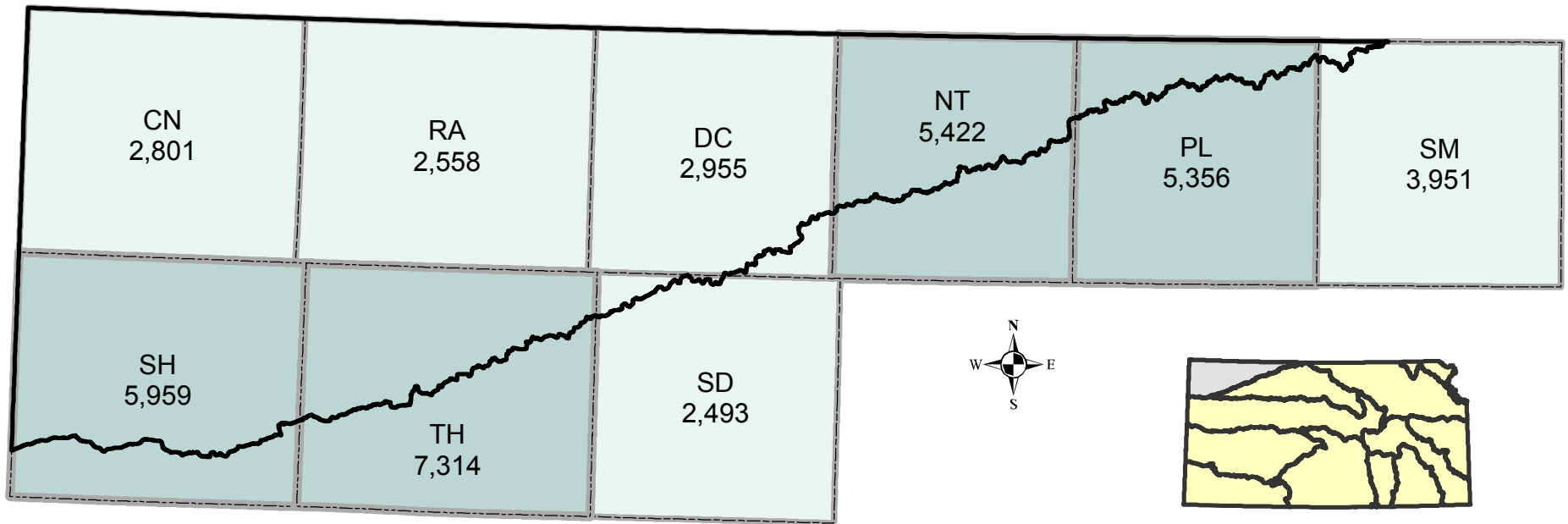
- Alluvial
- Dakota
- High Plains
- Basin

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

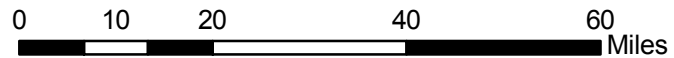


# Upper Republican Basin

## 2007 Population Estimates by County

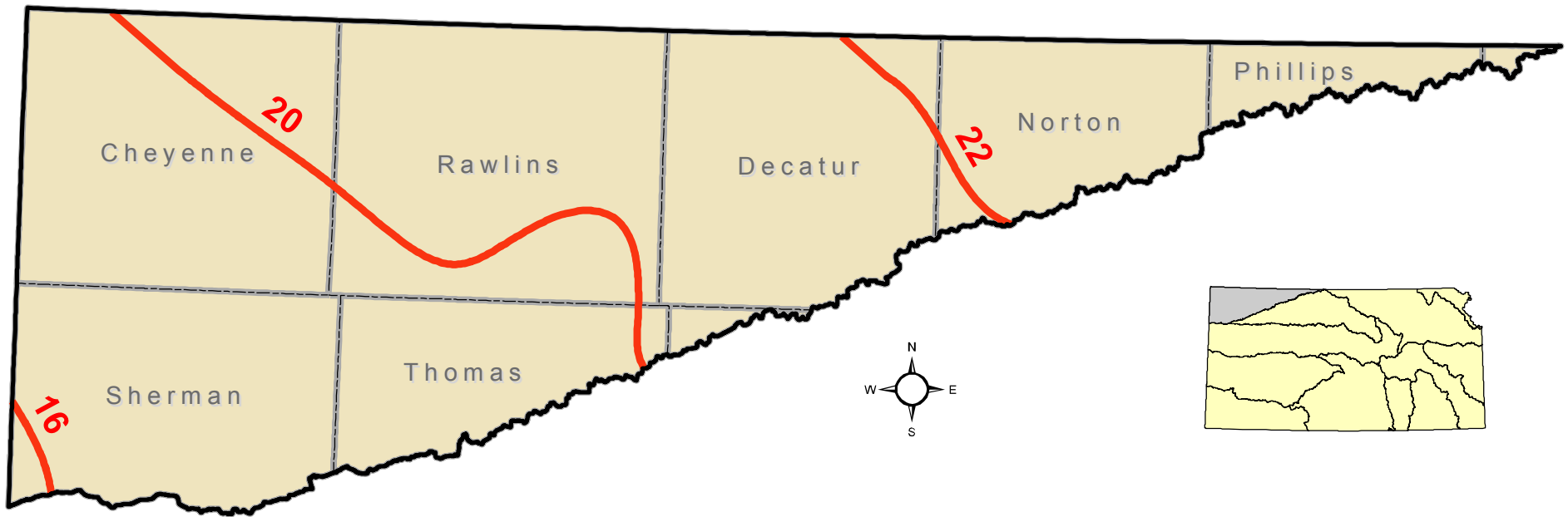


Prepared for Kansas Water Plan 2008



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

# Upper Republican Basin Precipitation



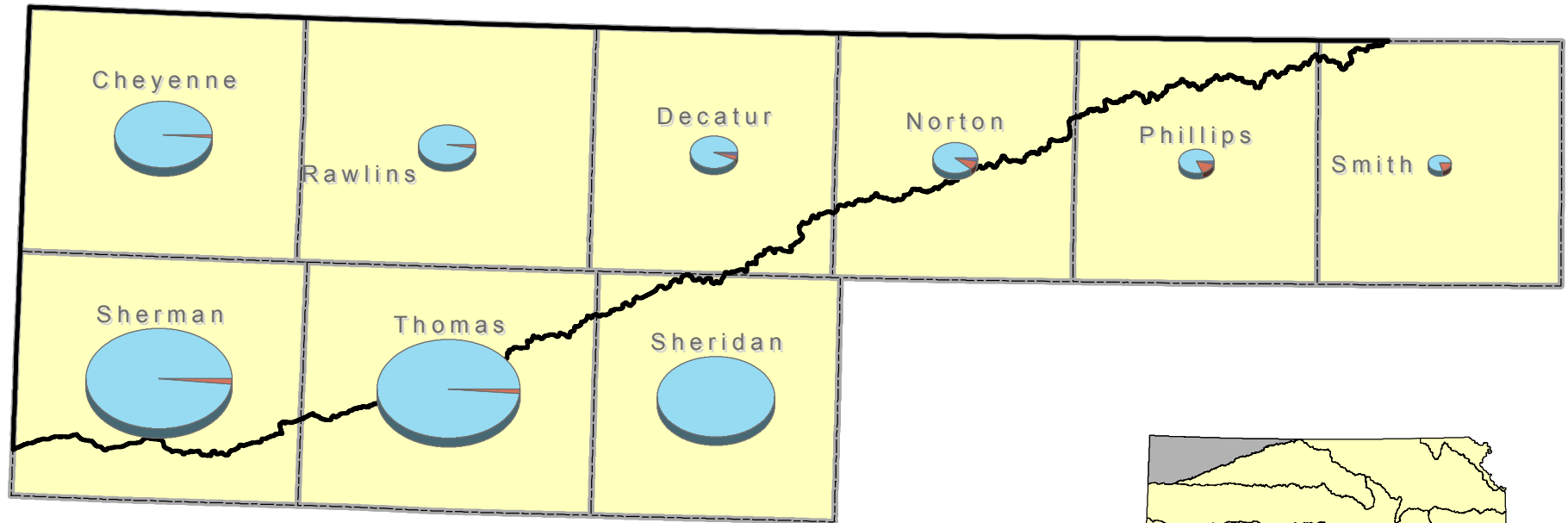
 Precipitation Contour

25 12.5 0 25 Miles

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

# Upper Republican Basin

## 2006 Water Use By County



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

25 12.5 0 25 Miles

Kansas Water Office, May 2008

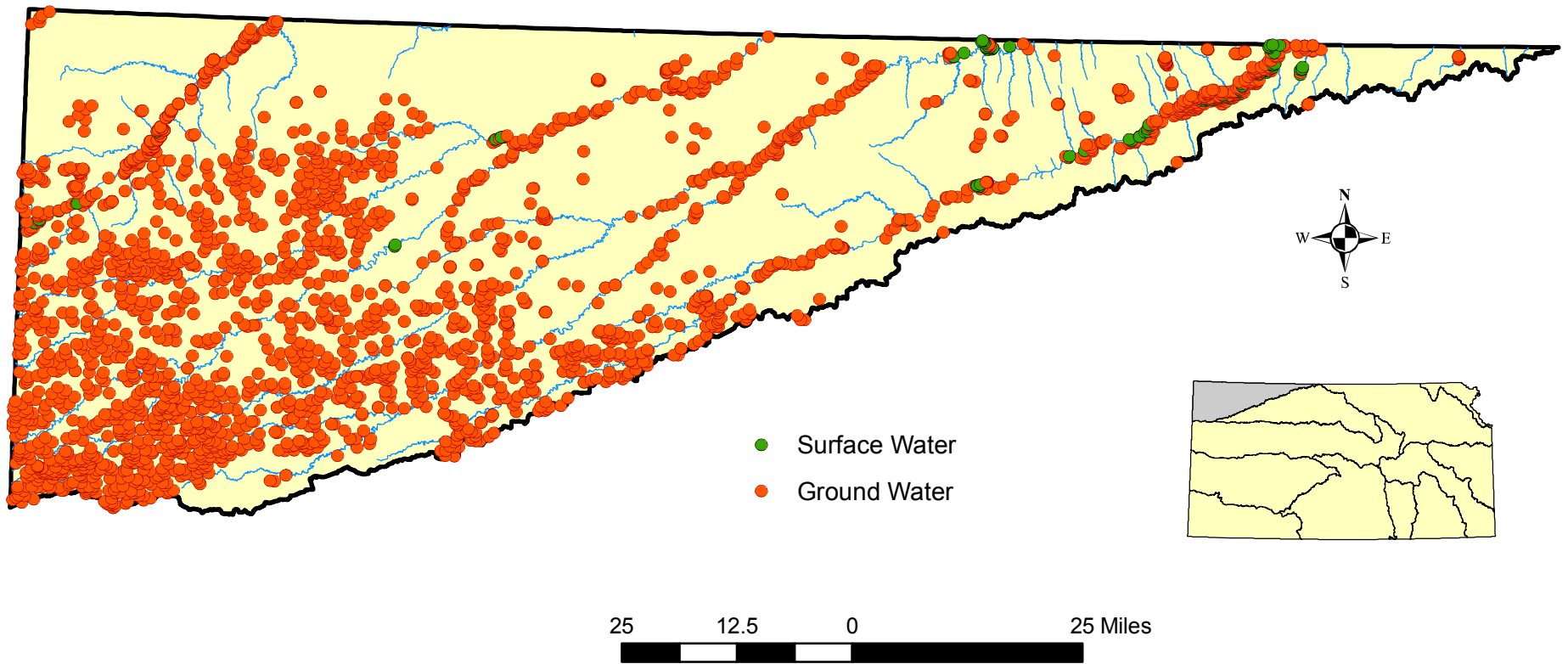


### Water Use by Type of Use



# Upper Republican Basin

## Irrigation Points of Diversion

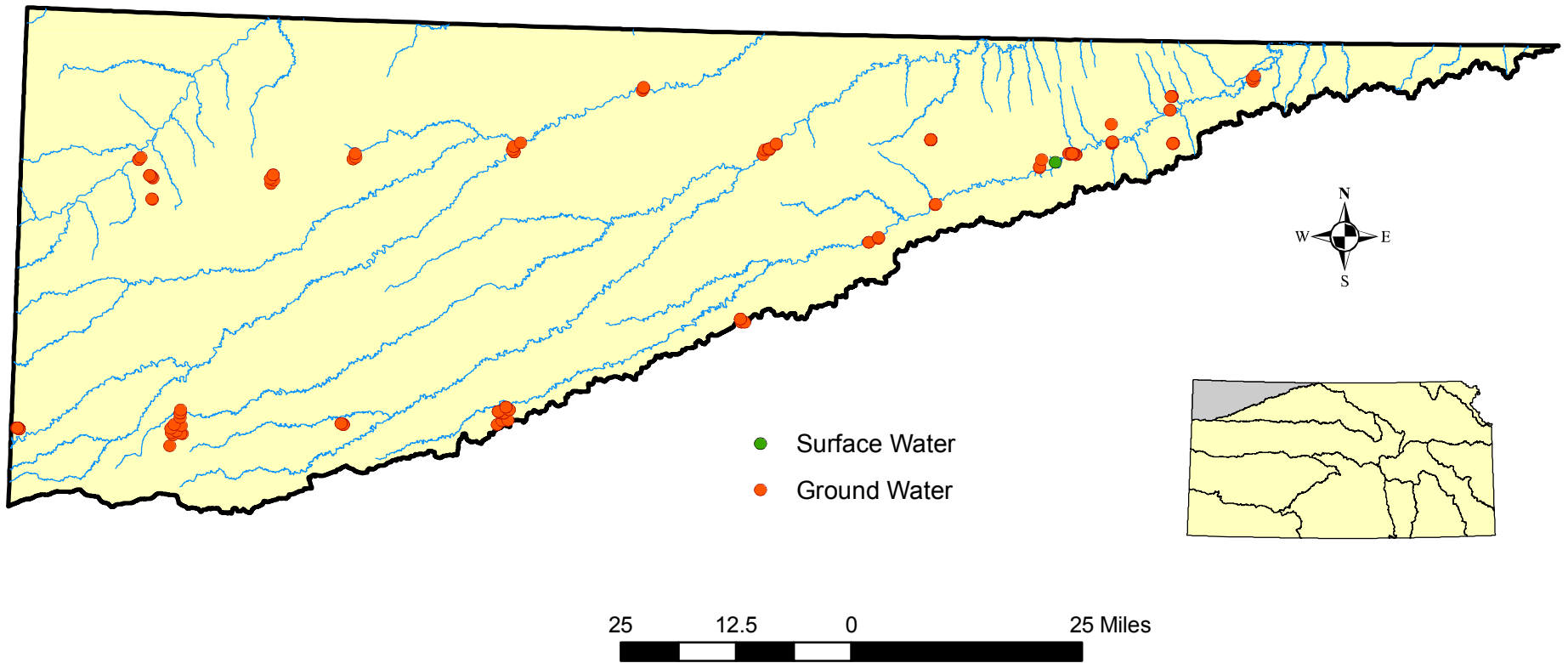


Data Source: Kansas Department of Agriculture

Prepared for Kansas Water Plan 2008

# Upper Republican Basin

## Municipal Points of Diversion

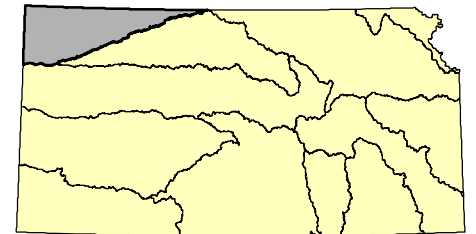
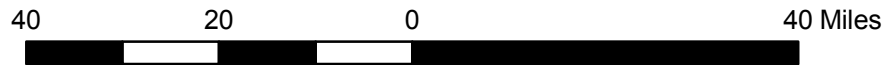
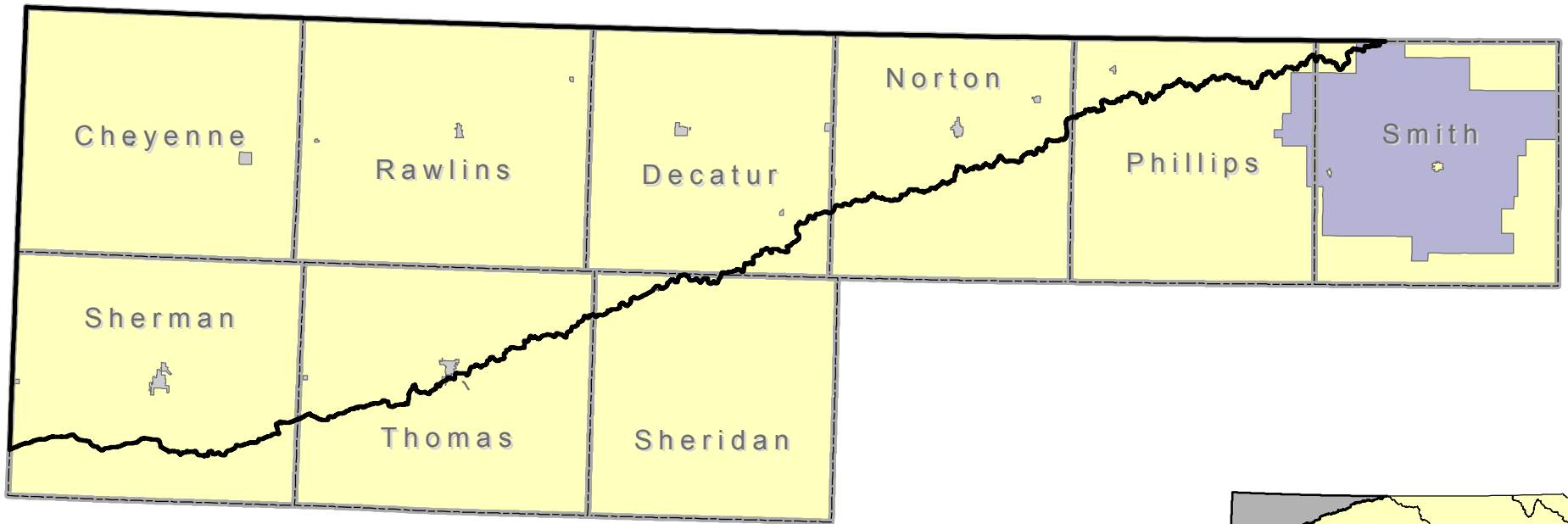


Data Source: Kansas Department of Agriculture

Prepared for Kansas Water Plan 2008

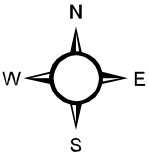
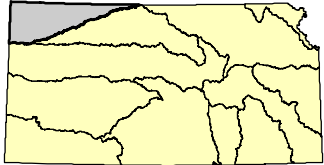
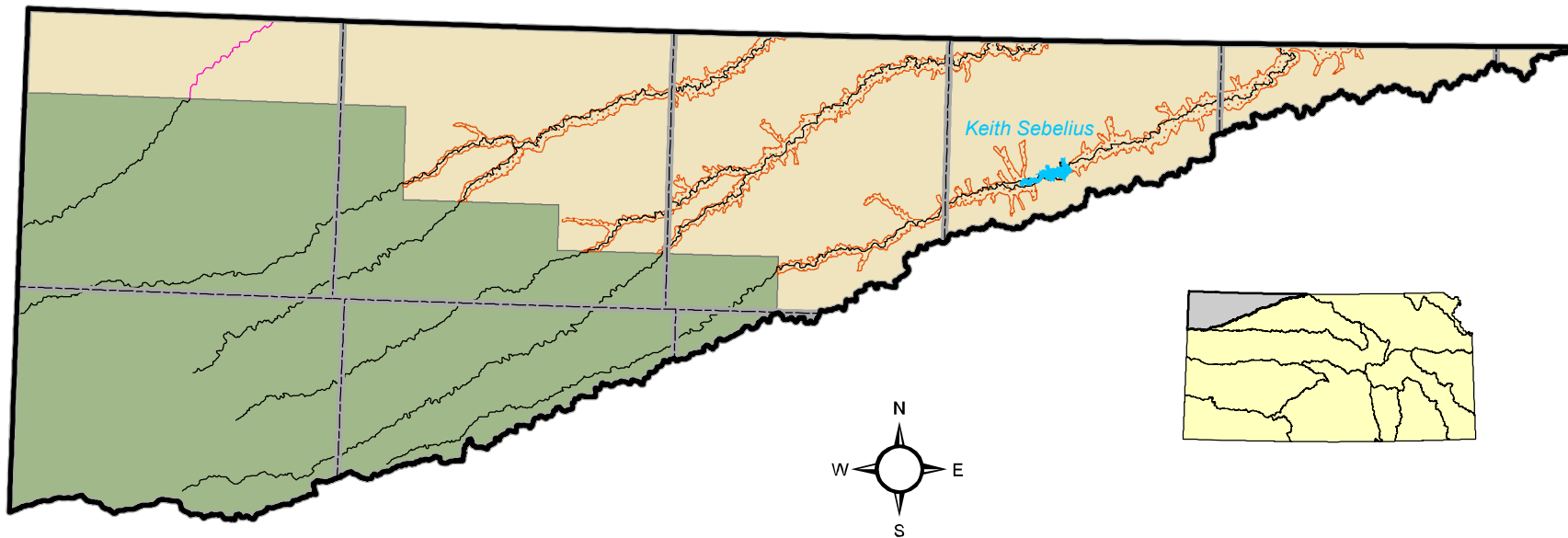
# Upper Republican Basin

Public Water Suppliers



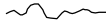


Kansas Water Office, February 2008

# Upper Republican Basin Water Management



 Northwest Kansas Groundwater Management District (GMD) #4

### Closed or Restricted Area\*

-  Closed Stream
-  Restricted Stream
-  Closed



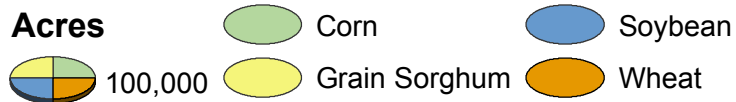
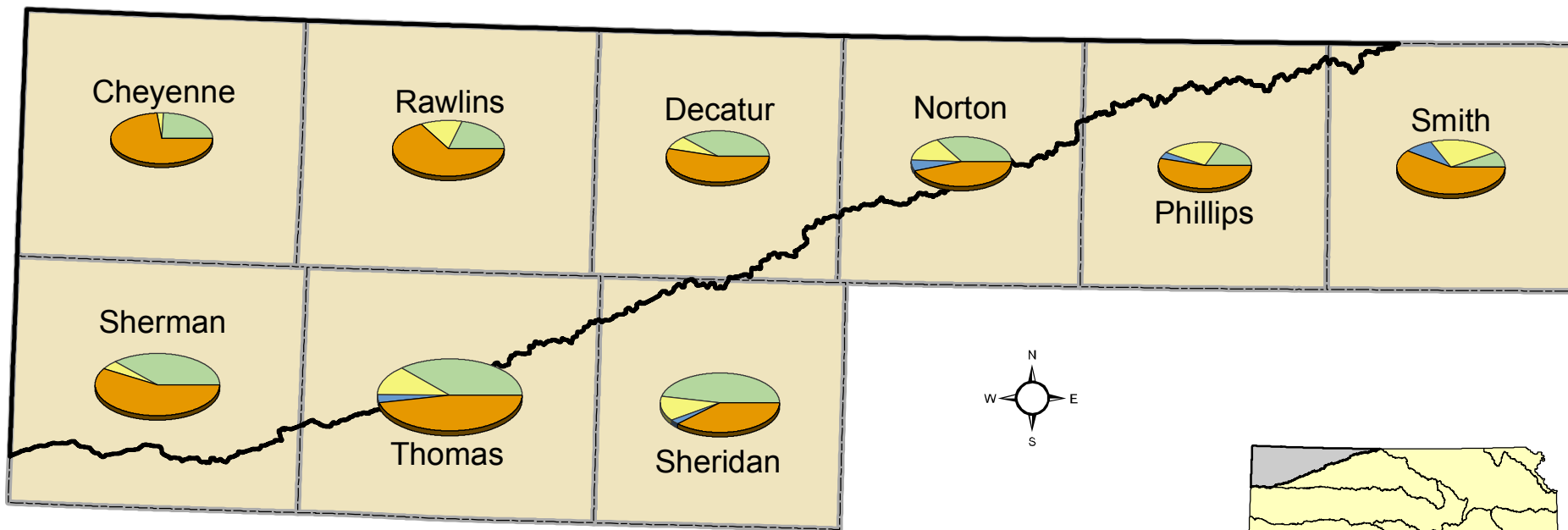
Kansas Water Office, November 2008

\* See Regulation for details

Source:  
Kansas Department of Agriculture

# Upper Republican Basin

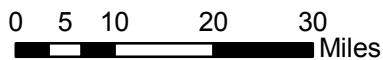
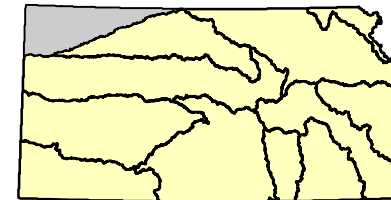
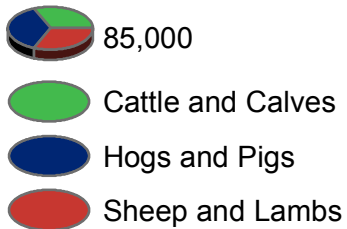
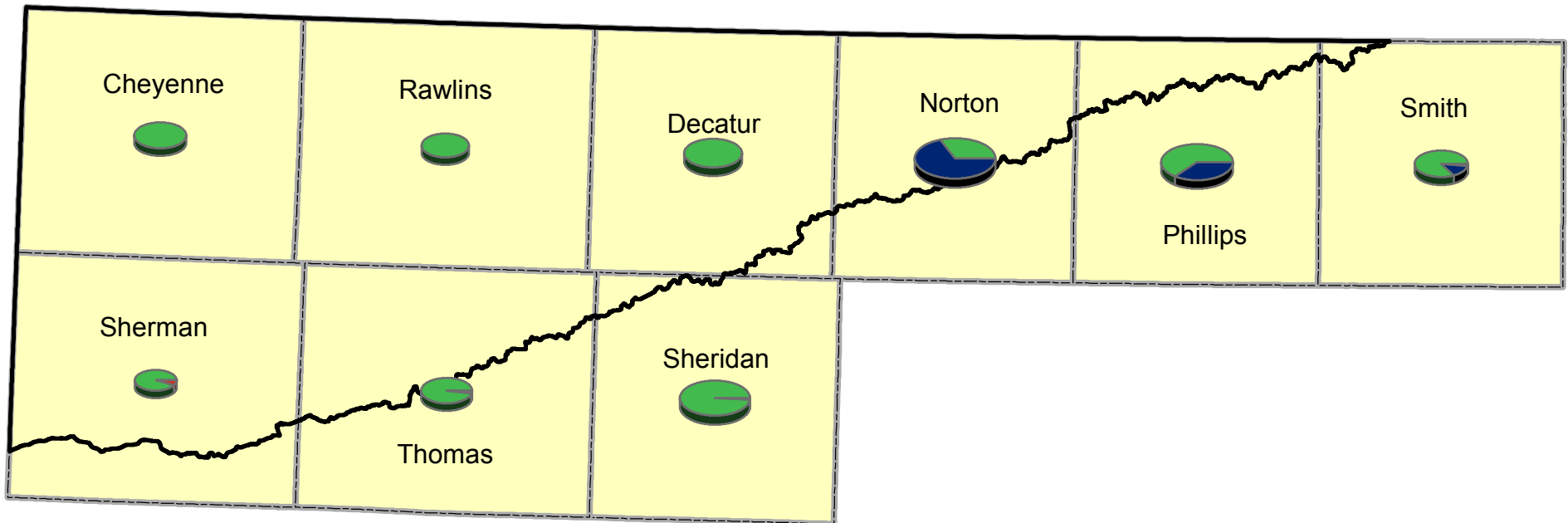
## 2007 Harvested Crop Inventory by County



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

# Upper Republican Basin

## 2002 Livestock Inventory by County



Note: Some data not shown to protect individual farm operations

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