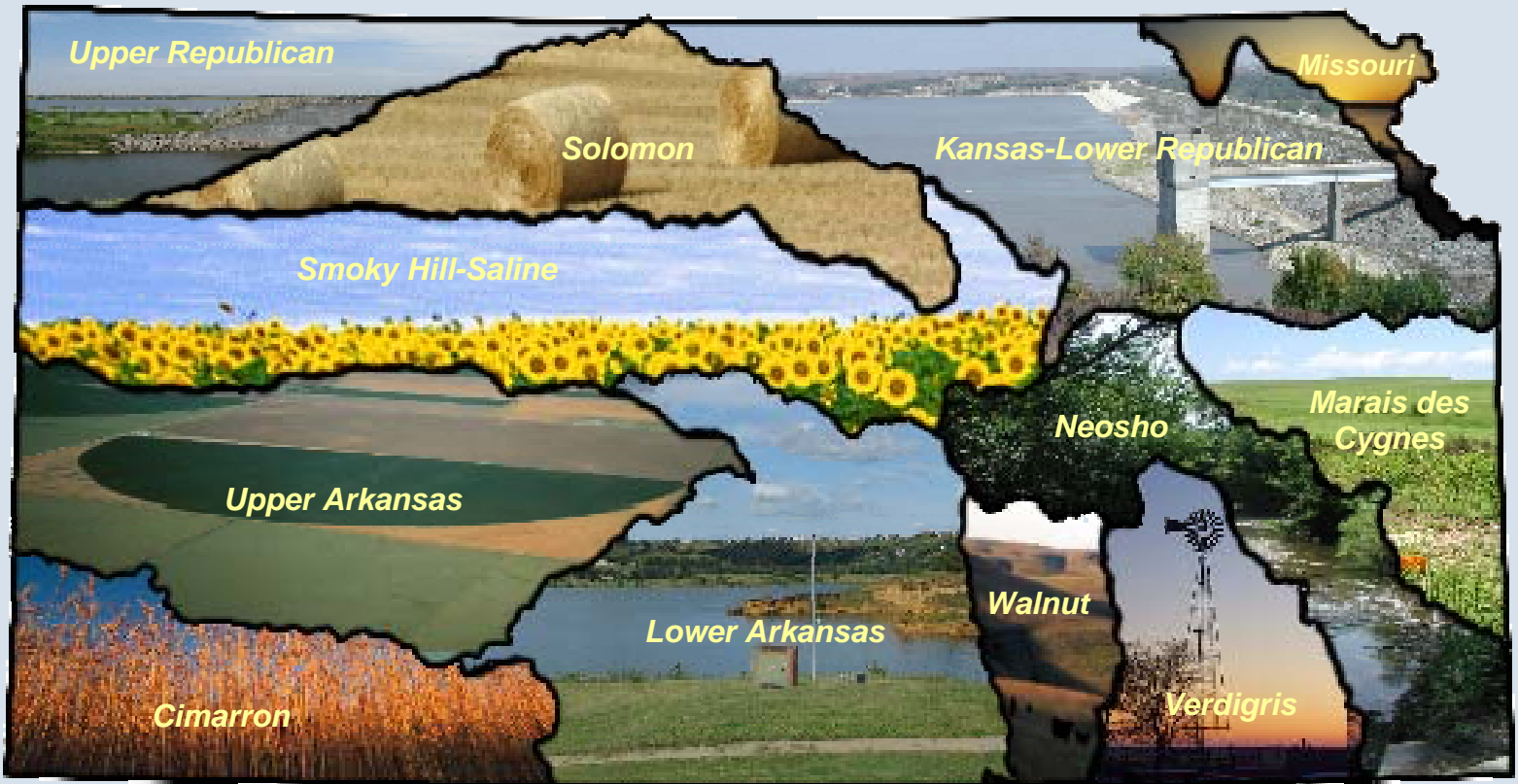


Kansas Water Plan



Atlas

Kansas Water Plan - Atlas

Table of Contents

Walnut Basin

General Base Map

Hydrologic Unit Codes (HUC) Map

Land Cover

Major Aquifers

Population

Precipitation

Water Use

Irrigation Points of Diversion

Municipal Points of Diversion

Public Water Suppliers

Federal Lake Storage Customers

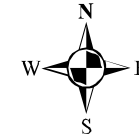
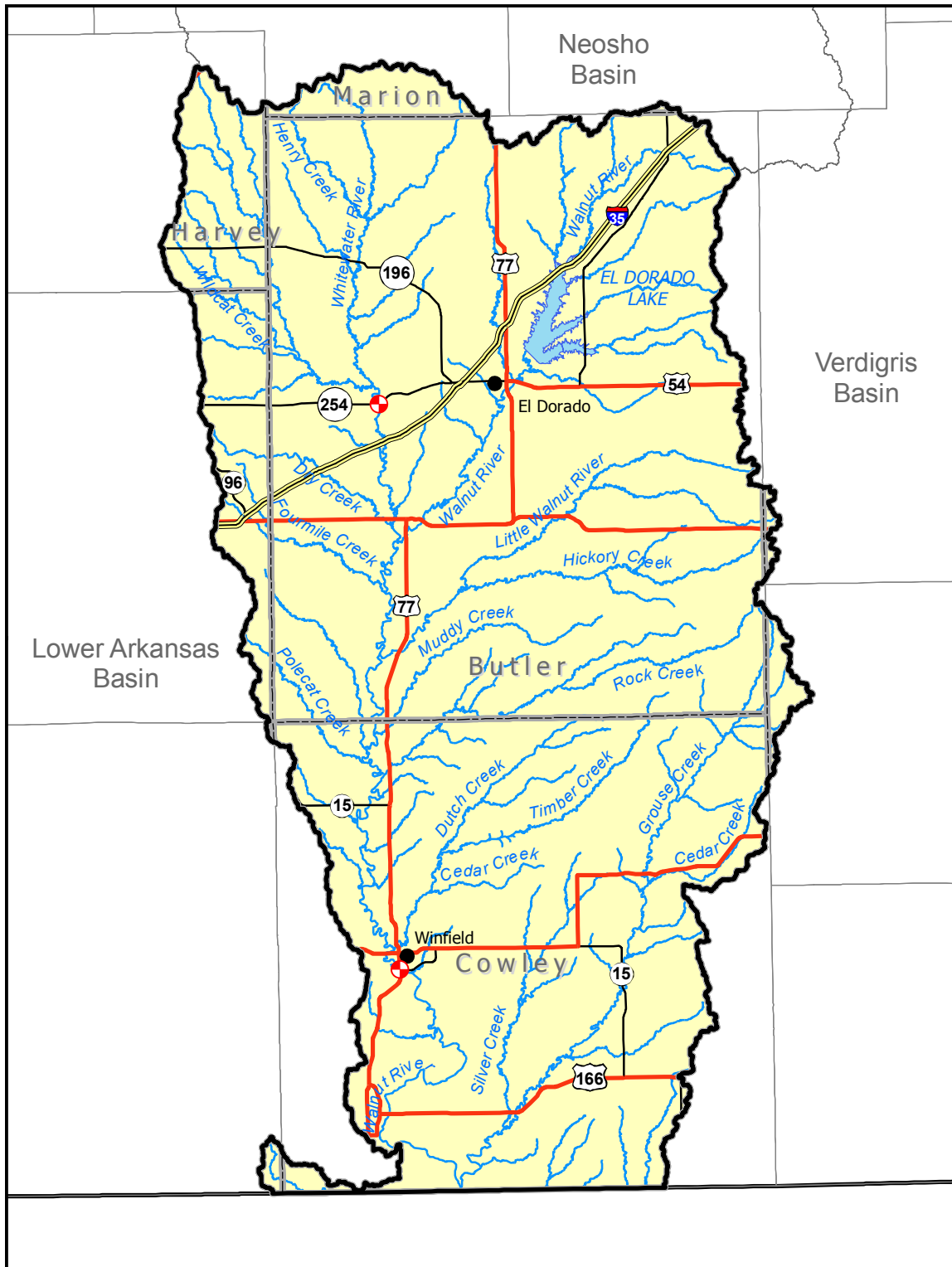
Water Management

Watershed Districts

Crop Inventory

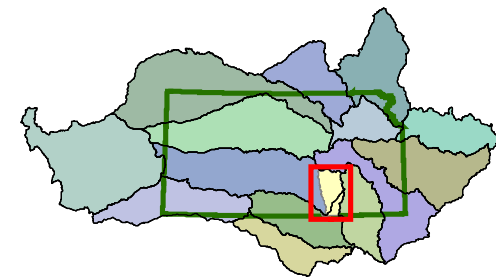
Livestock Inventory

Walnut Basin



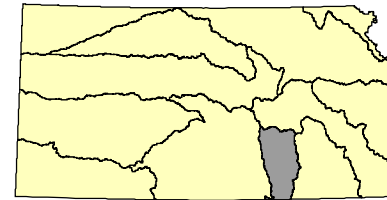
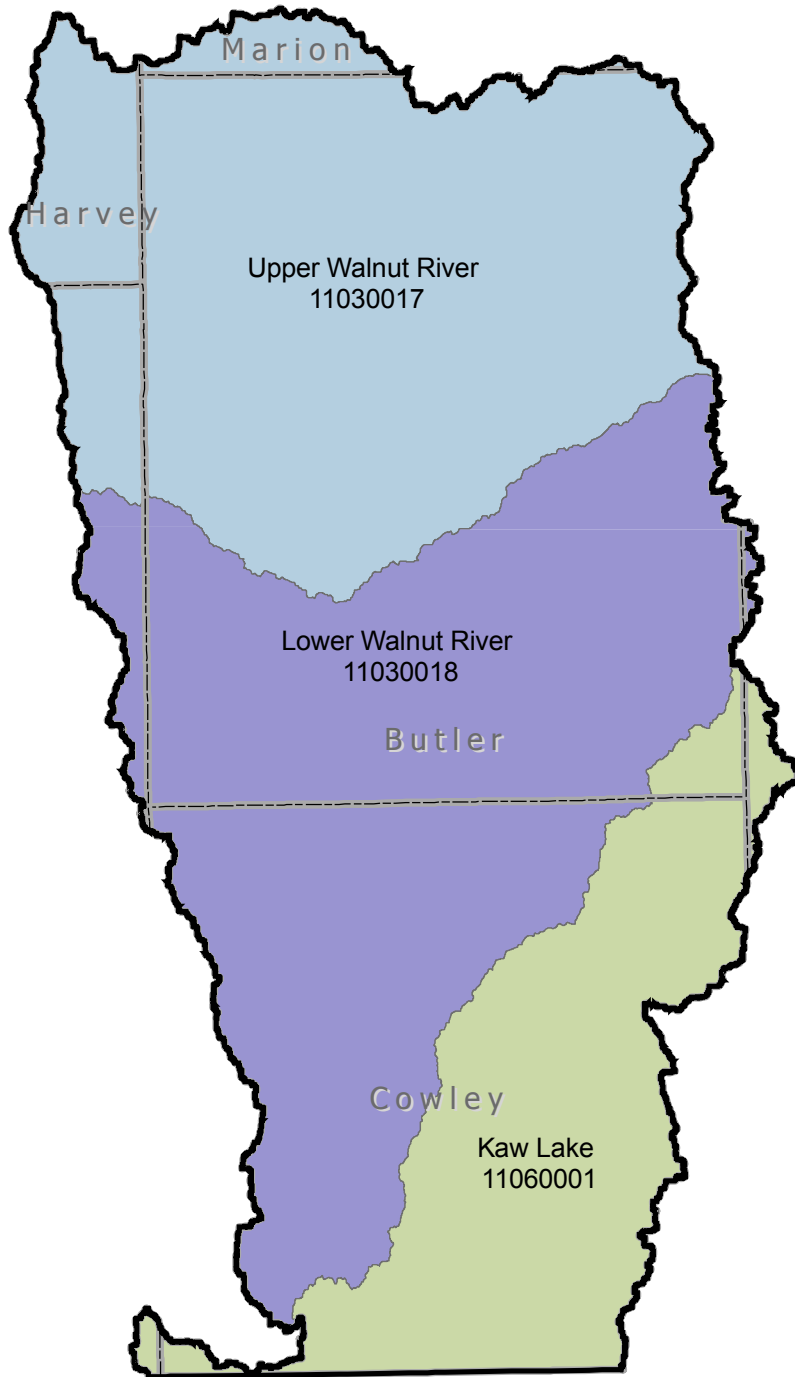
- County Seat
- ⊕ MDS Gage*
- ~ Hydrology
- ▬ Interstate Highway
- ▬ US Highway
- ▬ Kansas Highway
- 🌊 Federal Lake
- 🗺 County
- 🗺 Walnut Basin




* Minimum Desirable Streamflow

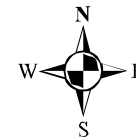


Walnut Basin

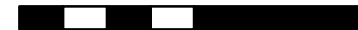
Subbasins and HUC-08 Codes



-  Kaw Lake
-  Lower Walnut River
-  Upper Walnut River



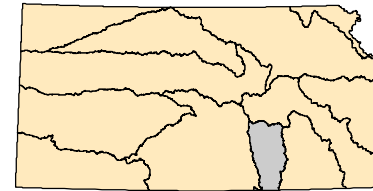
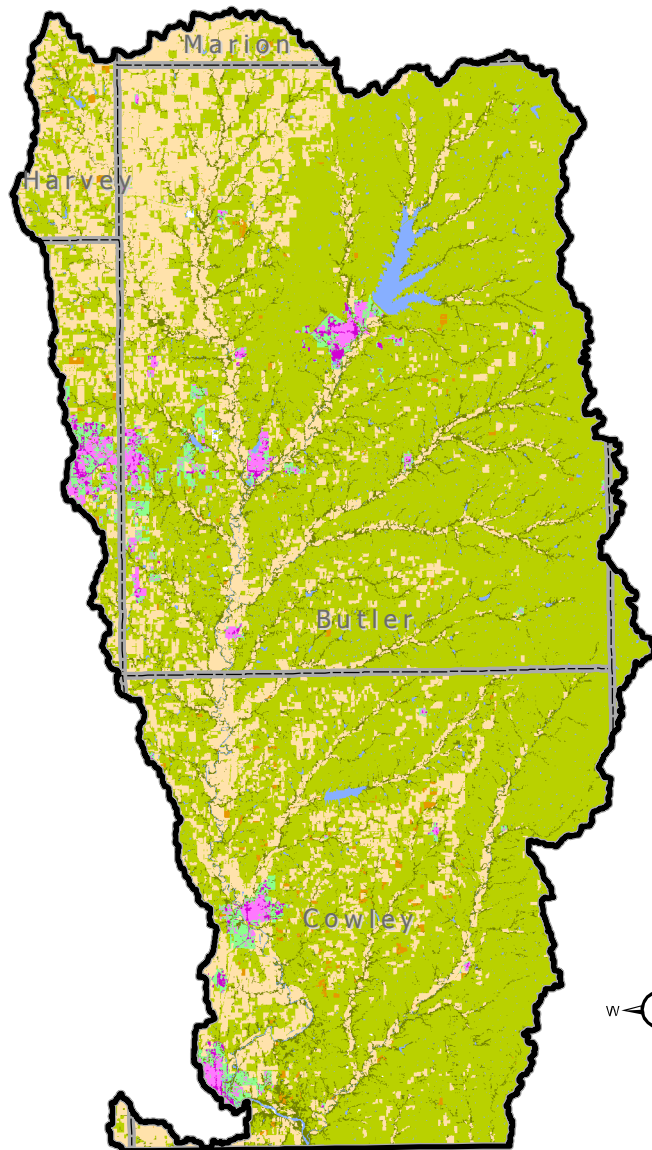
10 5 0 10 Miles














Kansas Water Office, May 2008

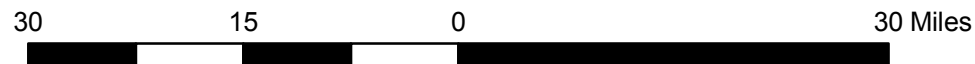
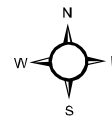
Walnut Basin

2005 Land Use / Land Cover

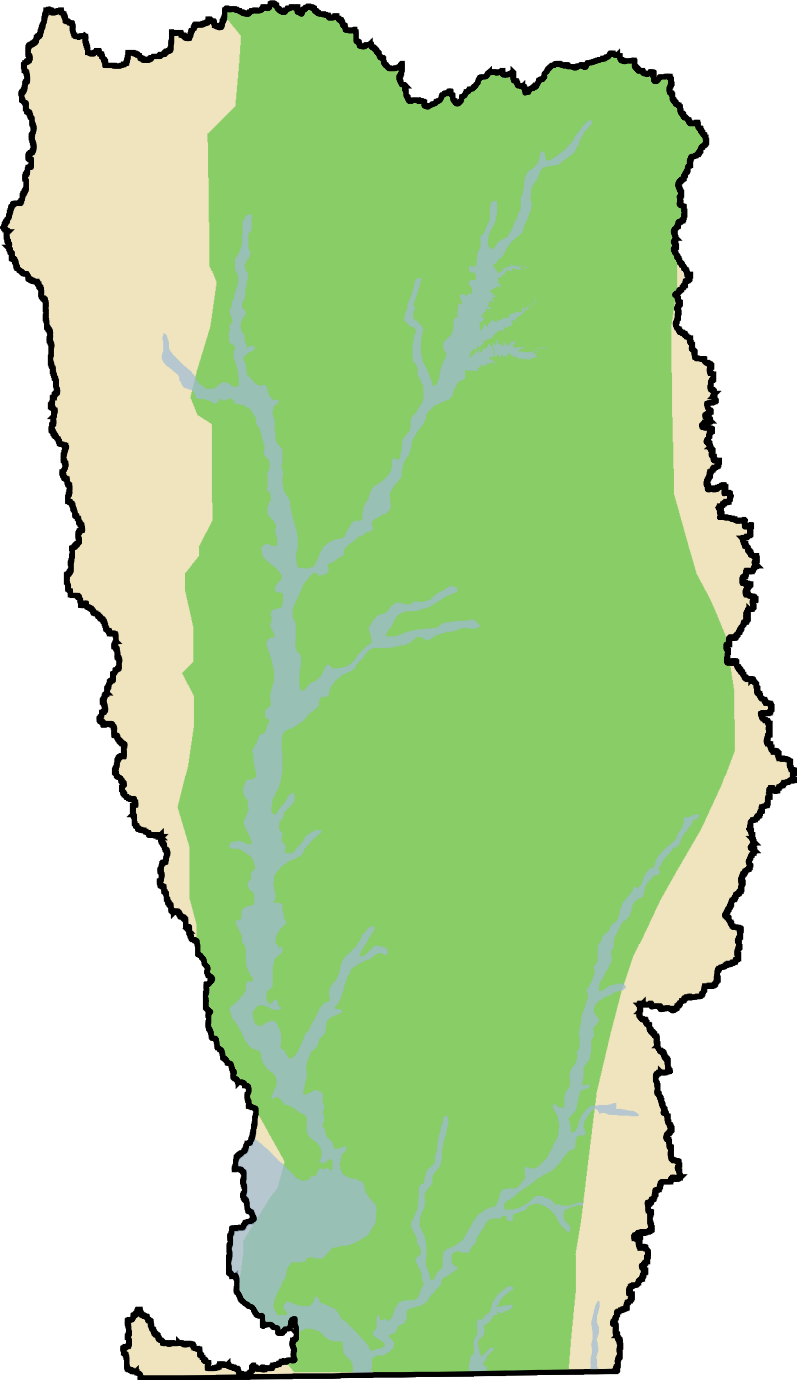


Legend

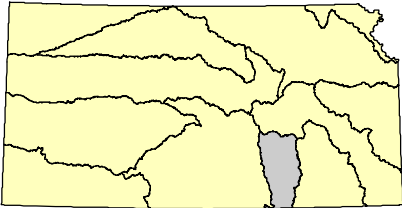
-  Urban Industrial/Commercial
-  Urban Residential
-  Urban Openland
-  Urban Woodland
-  Urban Water
-  Cropland
-  Grassland
-  Conservation Reserve Program (CRP)
-  Woodland
-  Water
-  Other



Walnut Basin Aquifers



-  Alluvial
-  Flint Hills
-  Basin

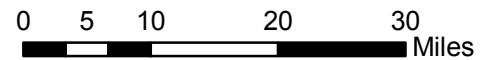
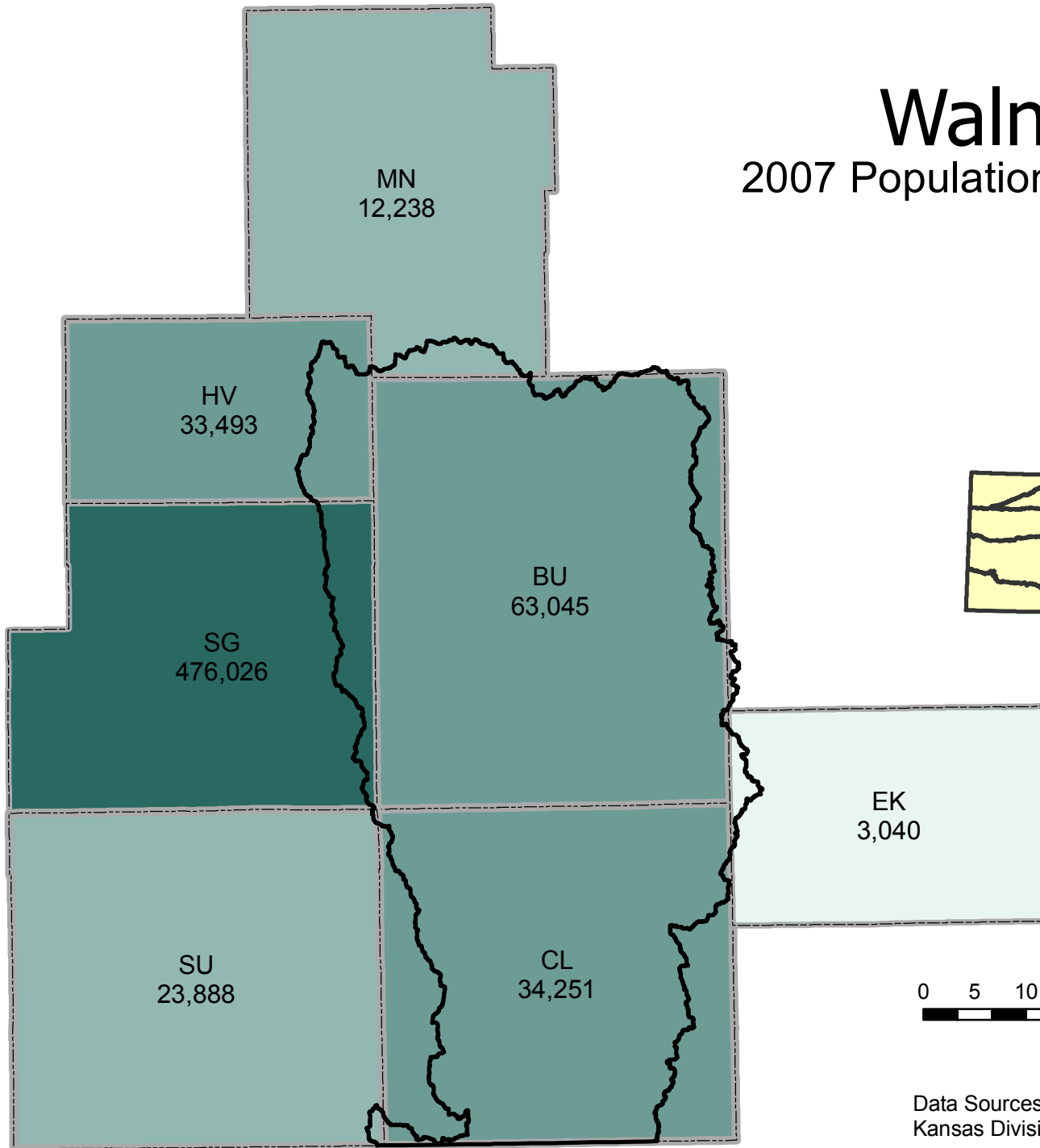
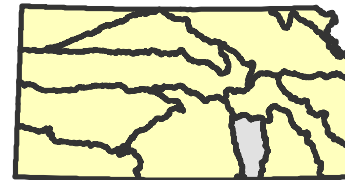


0 5 10 20
Miles

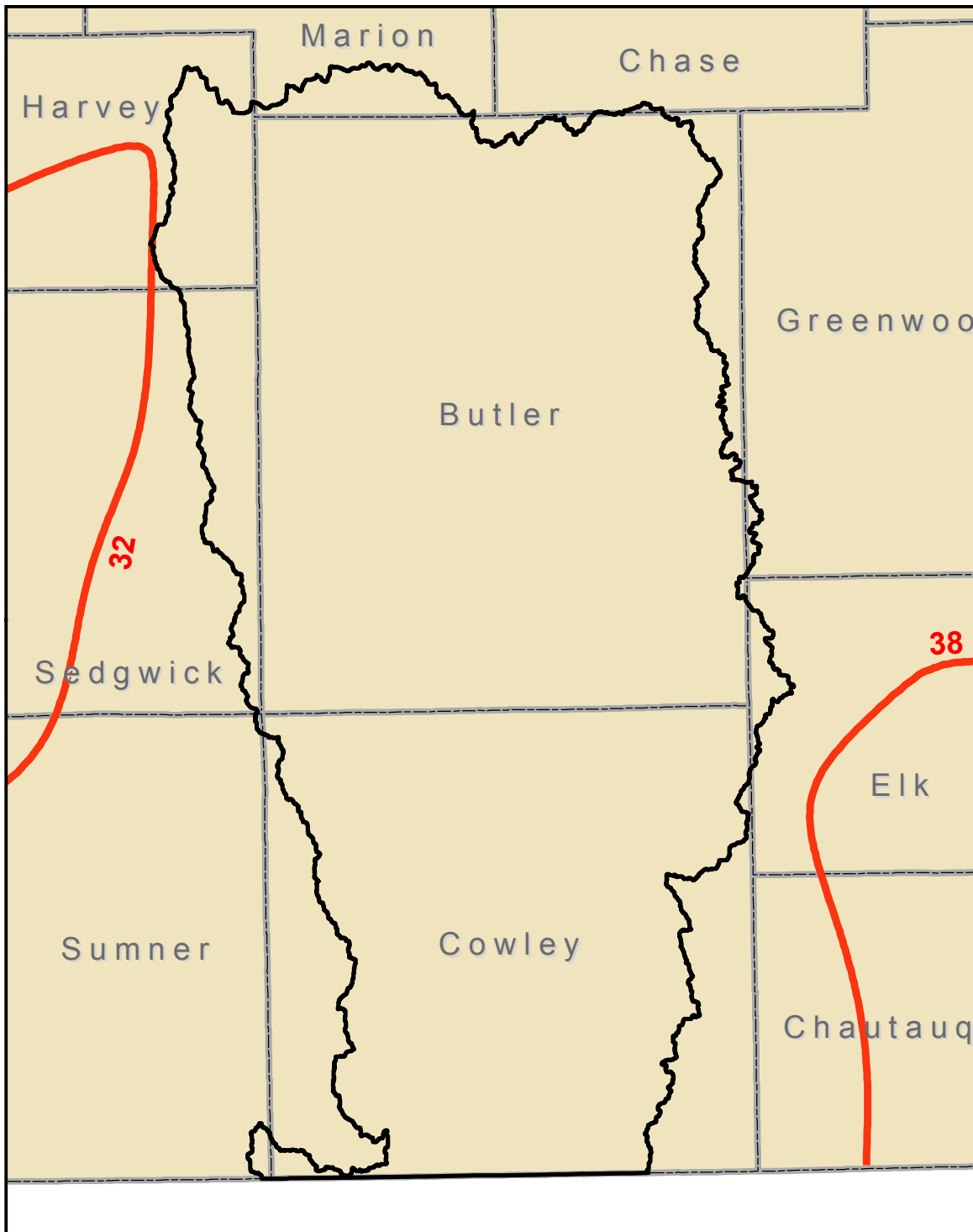
Data Source: U.S. Geological Survey
Prepared for Kansas Water Plan 2008

Walnut Basin

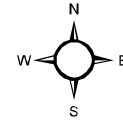
2007 Population Estimates by County



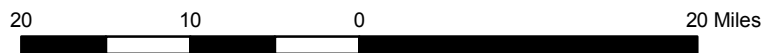
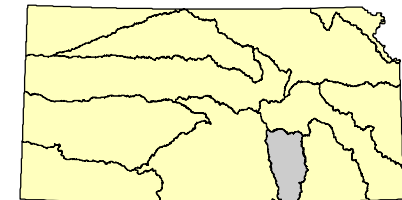
Data Sources:
Kansas Division of Budget, July 1, 2008
Prepared for Kansas Water Plan 2008



Walnut Basin Precipitation



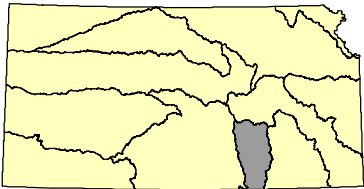
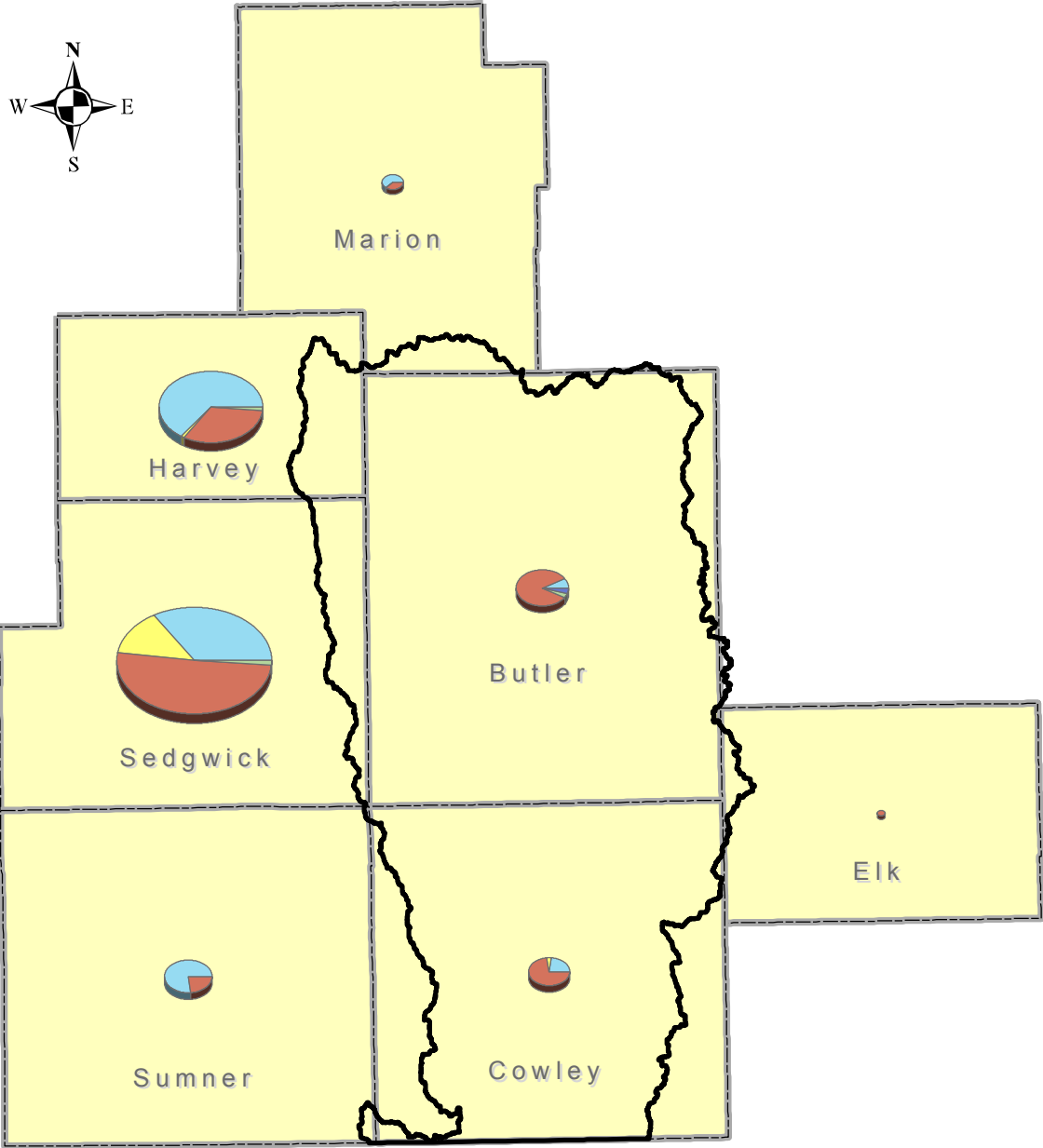
 Precipitation Contour



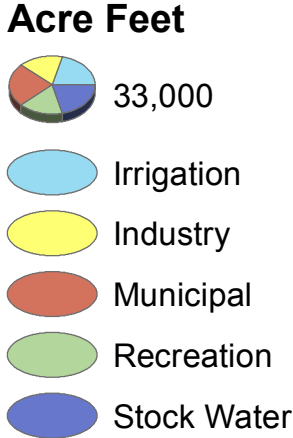
Prepared for Kansas Water Plan 2008
Data Source: National Climate Data Center (NCDC)

Walnut Basin

2006 Water Use By County



Water Use by Type of Use

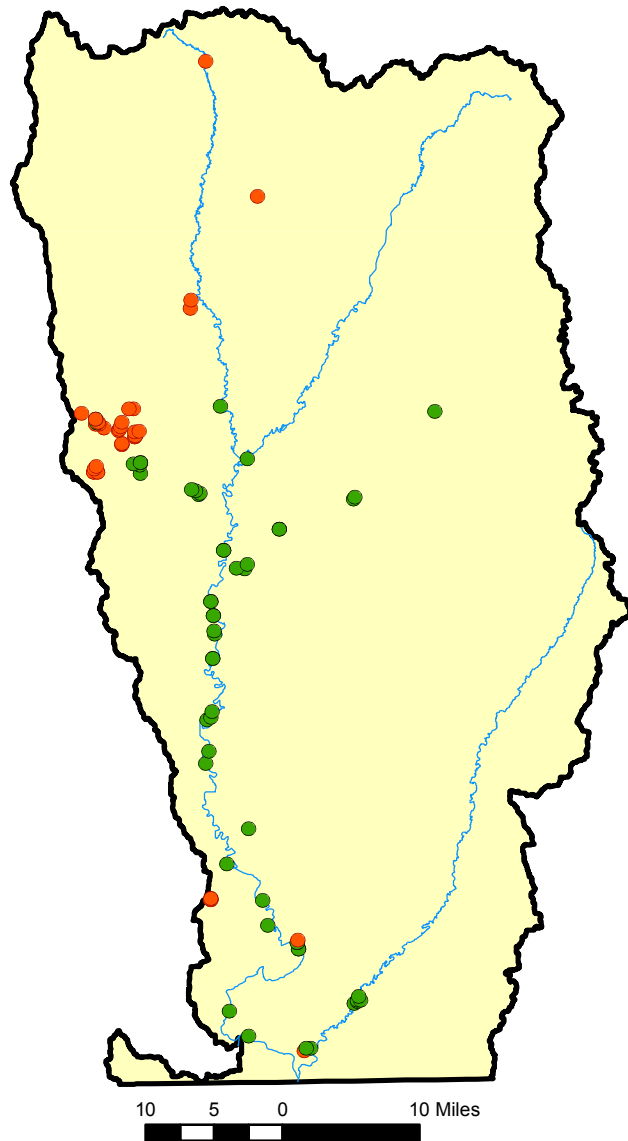


Kansas Water Office February 2008

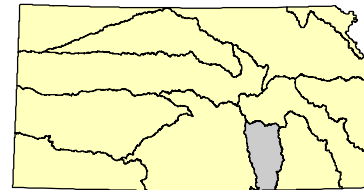
Data Sources:
 Division of Water Resources, Water Use Program
 Kansas Water Office, Water Marketing Program

Walnut Basin

Irrigation Points of Diversion



- Surface Water
- Ground Water

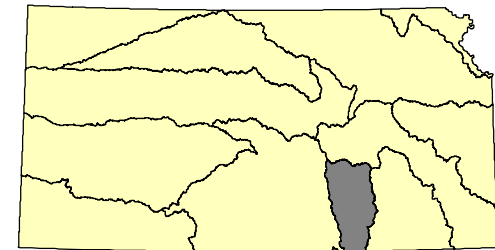
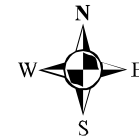
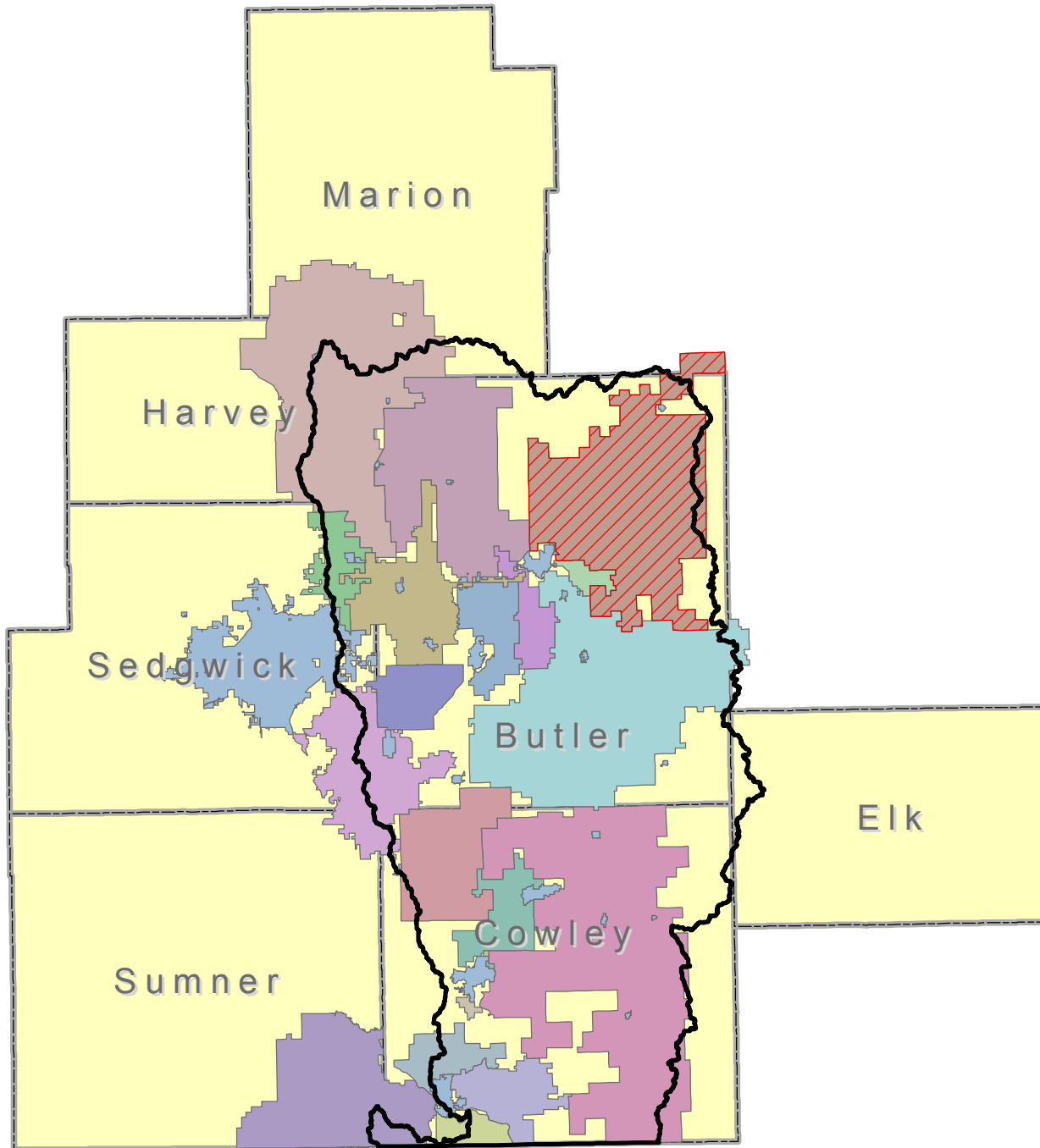


Prepared for Kansas Water Plan 2008

Data Source: Kansas Department of Agriculture, November 2008

Walnut Basin

Public Water Suppliers



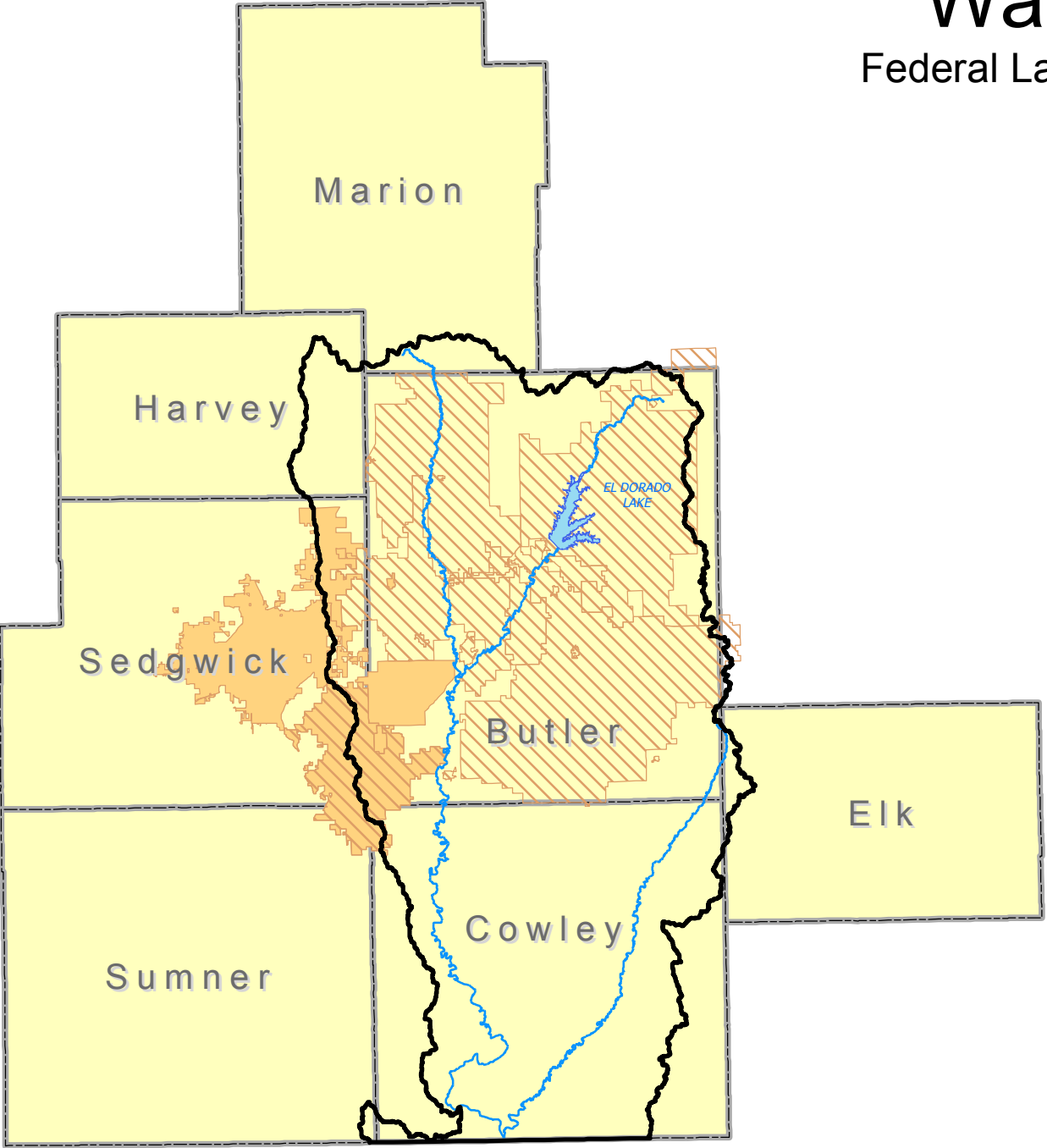
Public Wholesale Water Supply District #08



Kansas Water Office, February 2008

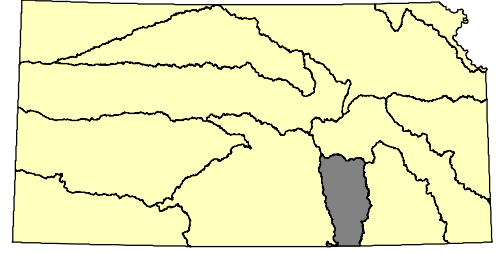
Walnut Basin

Federal Lake Storage Customers

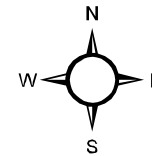
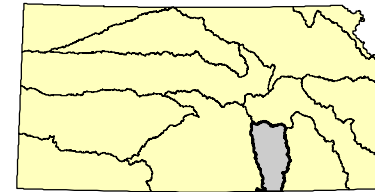




-  Stream
-  Federal Lake
-  Walnut Basin
- Other Contract Customers***
-  Cheney Lake
-  El Dorado Lake

* There are no Water Marketing Lakes or Water Assurance Districts in the Walnut Basin.



Walnut Basin Water Management



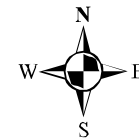
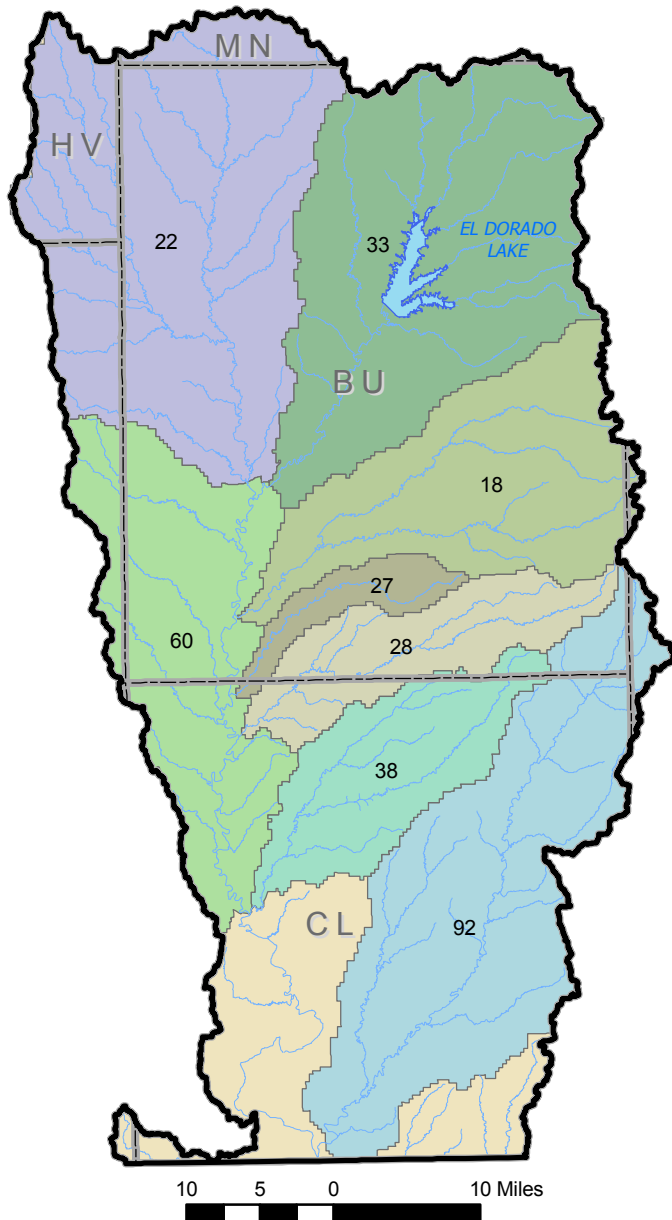
-  Minimum Desirable Streamflow Gage
-  Restricted Stream*

* See Regulation for details

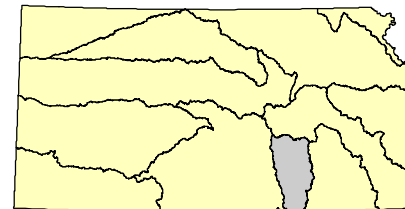
Source:
Kansas Department of Agriculture

Kansas Water Office, November 2008

Walnut Basin Watershed Districts



| ID | Name |
|----|----------------------|
| 18 | Little Walnut-Hickor |
| 22 | Whitewater River |
| 27 | Muddy Creek |
| 28 | Rock Creek |
| 33 | Upper Walnut River |
| 38 | Timber Creek |
| 60 | Middle Walnut River |
| 92 | Grouse-Silver Creek |

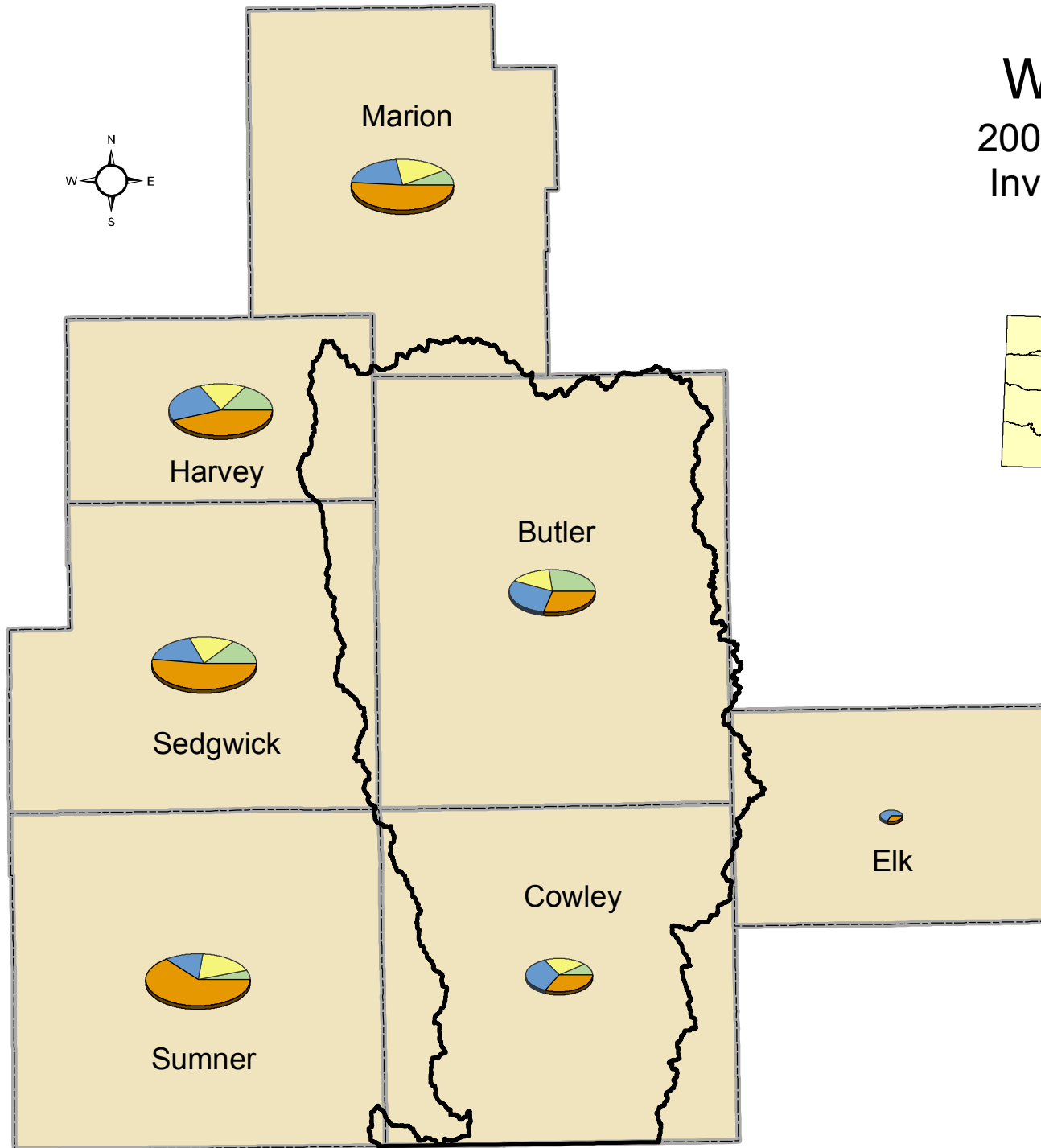
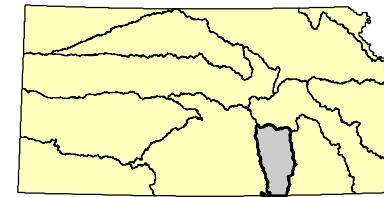
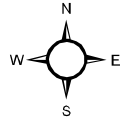


Source:
Kansas Department of Agriculture and
State Conservation Commission

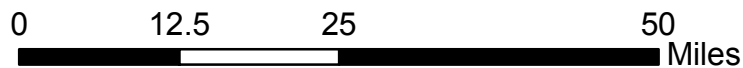
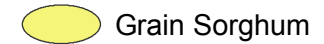
Kansas Water Office, November 2008

Walnut Basin

2007 Harvested Crop Inventory by County



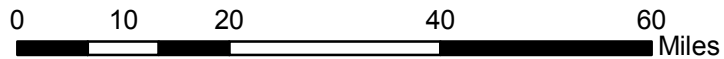
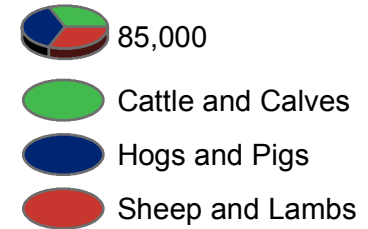
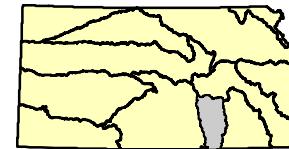
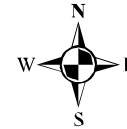
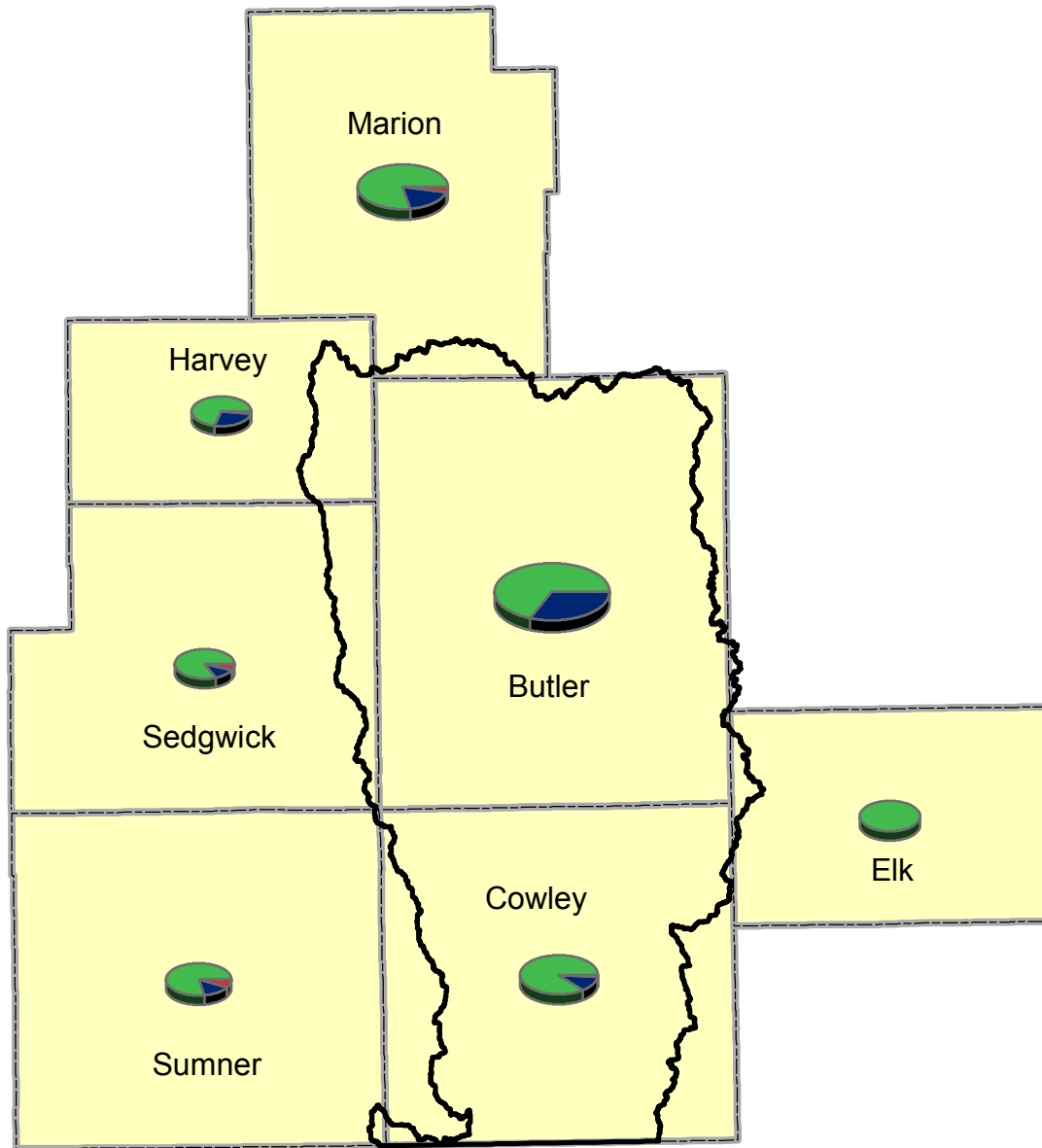
Acres



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

Walnut 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