

Green River Basin Advisory Group (BAG) Meeting

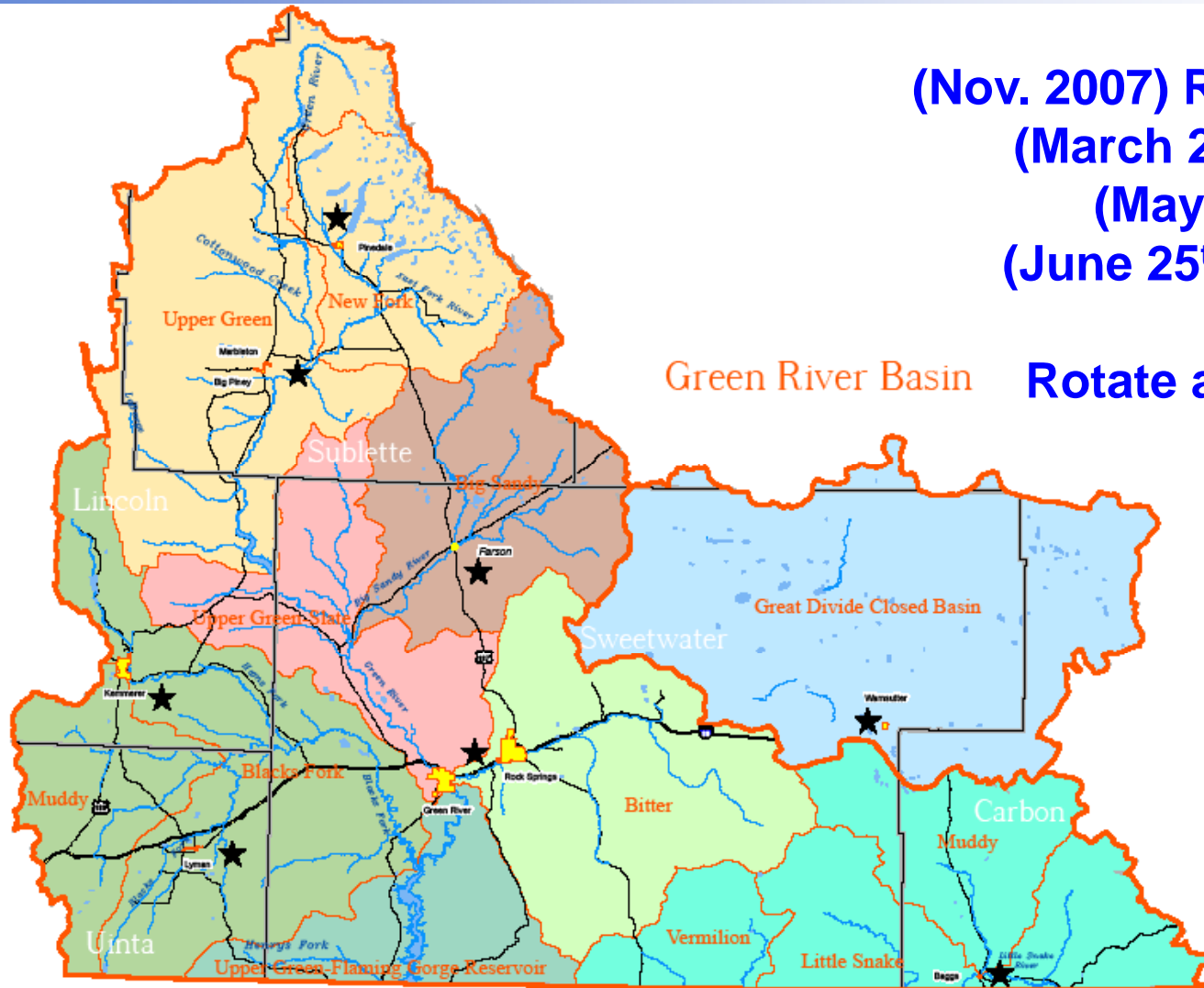
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**Wyoming
Water
Development
Commission**



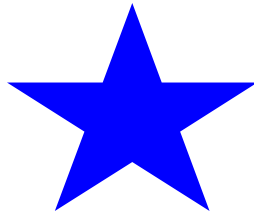
Public Meetings

(Nov. 2007) Rock Springs
(March 26th) Pinedale
(May 22nd) Lyman
(June 25th) Kemmerer



Purpose of the Meetings

- **Inform the public about the planning process (see handout)**
- **Update the existing issues and strategies list (see handout)**
- **Identify strategies to address issues**



Several Ways to Provide Input

- ✓ orally at meetings
- ✓ comment cards
- ✓ website
- ✓ written letter
- ✓ phone call



Can provide comments anonymously if you wish!



Wyoming State Water Plan

 Search

News Information

- Meeting Dates and Locations
- Newsletter

River Basin Plans

- Statewide Framework Plan
- Water Plan Basins (Map)
- Bear River Basin
- Green River Basin
- NE Wyoming River Basin
- Platte River Basin
- Powder/Tongue River Basin
- Snake/Salt River Basin
- Wind/Bighorn River Basin

Basin Advisory Groups

State Data Inventory

Pilot Products

- GIS Demonstration
- Recommendations

Water Resources Data System

Water Development Commission

State Engineer's Office

Contact Us

Welcome to the Wyoming State Water Plan

<http://waterplan.state.wy.us>

Green River Basin Link Location

6920 Yellowtail Road
Cheyenne, WY 82002
Ph. (307) 777-7626
Fax (307) 777-6819

Summary of the State Water Planning Process

The 1996 Legislature directed the Wyoming Water Development Commission (WWDC) and the State Engineer's Office (SEO) to prepare recommendations for updating the 1973 Wyoming Framework Water Plan. The two agencies submitted a joint recommendation to the Governor, the Select Water Committee, and the Water Development Commission on October 1, 1996.

In 1997 the Legislature directed the WWDC to conduct a water planning feasibility study with the assistance of the University of Wyoming (UW). In conjunction with the State Engineer and the University, the WWDC completed an intensive public outreach effort, a pilot analysis in the Bear River Basin and a statewide water data inventory. During the process, the planning team was advised by a multi-agency scoping group. An independent consulting firm under contract to the WWDC assisted with development of implementation recommendations.

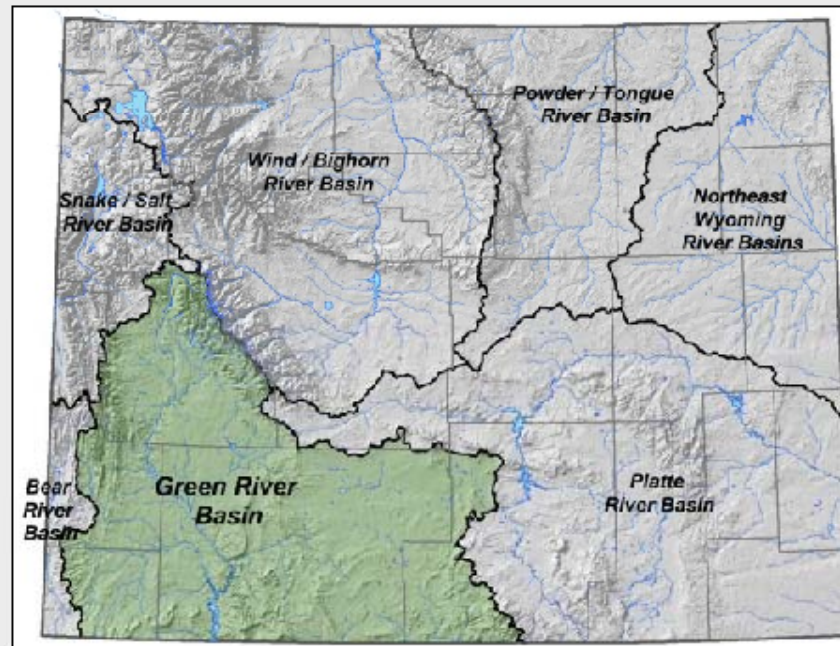
The 1999 Legislature approved the recommended planning framework and authorized the Bear and Green Basin Plans.

The approved planning process is based on the Prior Appropriation Doctrine. This doctrine is recognized as the cornerstone of state water administration and the basis for the assumption that Wyoming should manage its resources for the benefit of citizens of the state. For more information, click on **River Basin Plans**

Green River Water Planning Basin

Select from the list below

Click on the map to access
a different Basin



- **Basin Issue Summary**

The Basin Issue Summary presents an overview of the Greater Green River Basin including current issues, legal and institutional constraints, and future concerns. For further information on the Green River Basin's water needs and resources please refer to the Green River Basin 2001 Water Plan below.

- **Green River Basin 2001 Water Plan**

The Green River Basin Water Planning Process document is the first of two River Basin Plans compiled under initial efforts of the Wyoming Water Development Commission, and authorized by the 1999 Wyoming Legislature. This planning document presents current and proposed (estimated) future uses of water in Wyoming's Green River Basin. Products in the Plan include irrigated lands delineation, hydrologic modeling of major streams, current use determinations for all water use categories, future use projections, water development opportunities identification, and related activities.

- **Green River Basin Advisory Group**

Local citizens representing a broad range of interest including agricultural, municipal, environmental, recreation, and industry. This group provides input on important water issues, reviews planning products, and assists with the water planning process in the River Basin. Products include **Agendas**, **Meeting Records**, and the **Reference Notebook**.

- **Data Inventories: Green River Basin | Little Snake River Basin**

The Green River and Little Snake portion of the Statewide Data Inventory contain an inventory of point attribute and spatially referenced data for 12 major themes, from ground and surface water to climate data. Along with dataset descriptions, the inventory explains the utility of the data as well as its completeness, format and distribution policy. The purpose in conducting the overall Statewide Water Resources Data Inventory was to develop an accurate and up-to-date summary overview of primary data sources and products in Wyoming. The inventory was used in the water planning feasibility study to evaluate available resources and estimate costs associated with basin planning in Wyoming.

Green River Basin Advisory Group



The 1999 Legislature approved a new Statewide Water Plan beginning with the Green River and Bear River Basins in southwestern Wyoming. The Green River Basin Plan was completed in February, 2001 and incorporated monthly public participation from the *Green River Basin Advisory Group*. This group, composed of members from the *Colorado River Basin Coordinating Council* and additional interested citizens, reviewed planning products and delivered recommendations to the State Water Planning team. The Final Plan may be viewed at the following URL:
<http://waterplan.state.wy.us/plan/green/green-plan.html>

In 2007, the Legislature approved funding to commence another round of Basin Plans, beginning with the Green River Basin. For this study both surface water and ground water resources will be examined.

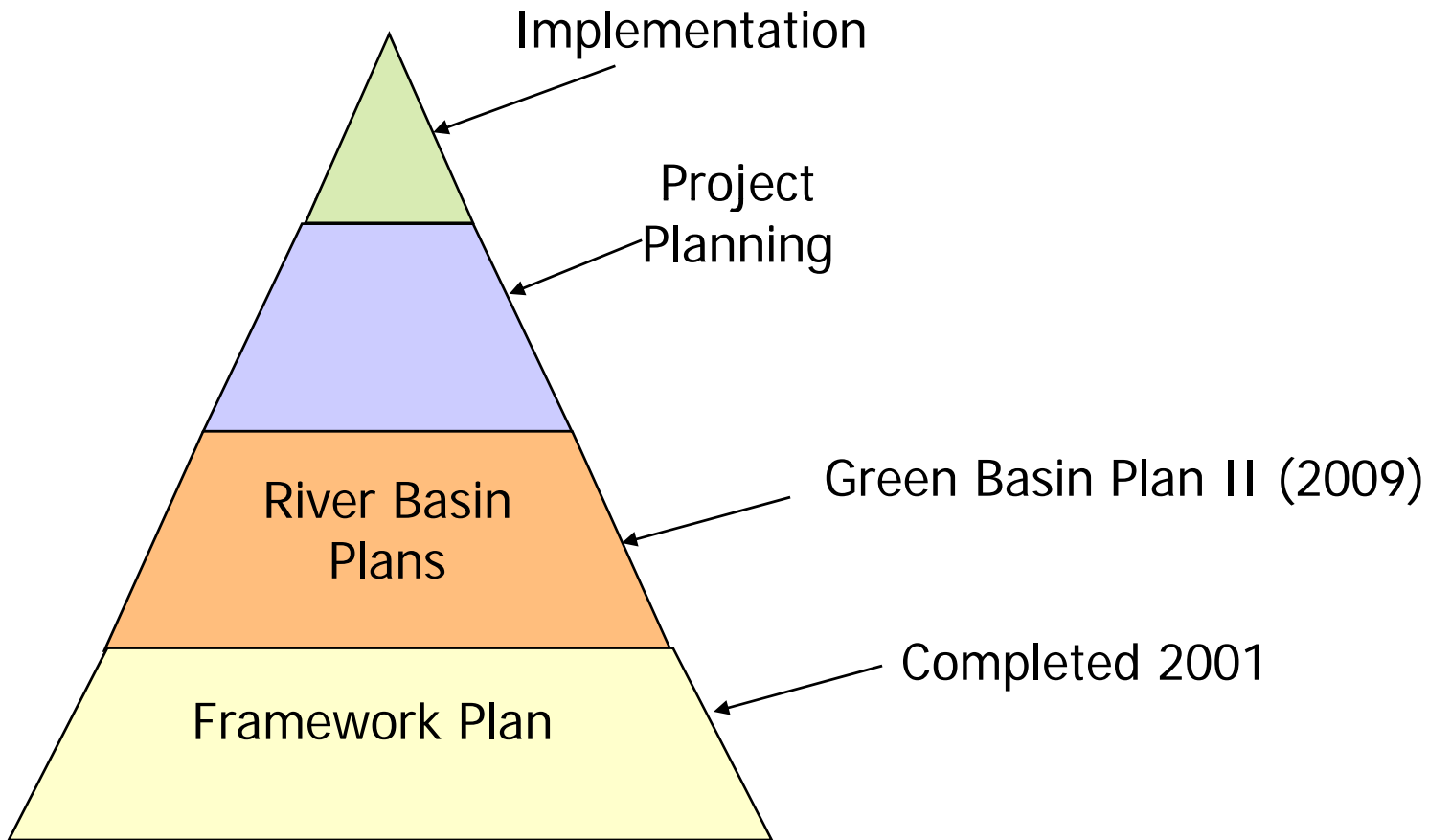
Since the completion of the original plan in 2001, the Green River Basin Advisory Group has continued to meet. The BAG will continue to meet three times a year until the plan is updated.

Below are links to the next Green River BAG meeting agenda and the informative reference notebook from the original Green River Basin Plan. Also below are the meeting records from all previous BAG meetings. The meeting records may be viewed in either HTML or PDF. The PDF version requires Adobe Acrobat® Reader. If you do not already have this program on your computer, please visit [Adobe's Website](#) to download a free copy.

- [Agenda for the next Green River Basin Advisory Group meeting](#)
- [Online Comment Card](#)
- [2001 Green River Basin Advisory Group Issues Identification Document](#)
- [2001 Green River Basin Advisory Group Reference Notebook](#)

Meeting Records			
Date	Location	 HTML	 Get Acrobat Reader
November 14, 2007	Rock Springs	HTML (15KB)	Adobe PDF(44KB)
Novemeber 8, 2005	Kemmerer	HTML (19kb)	Adobe PDF (19kb)
April 5, 2005	Big Piney	HTML (7kb)	Adobe PDF (72kb)
October 13, 2004	...	HTML (211)	Adobe PDF (2011)

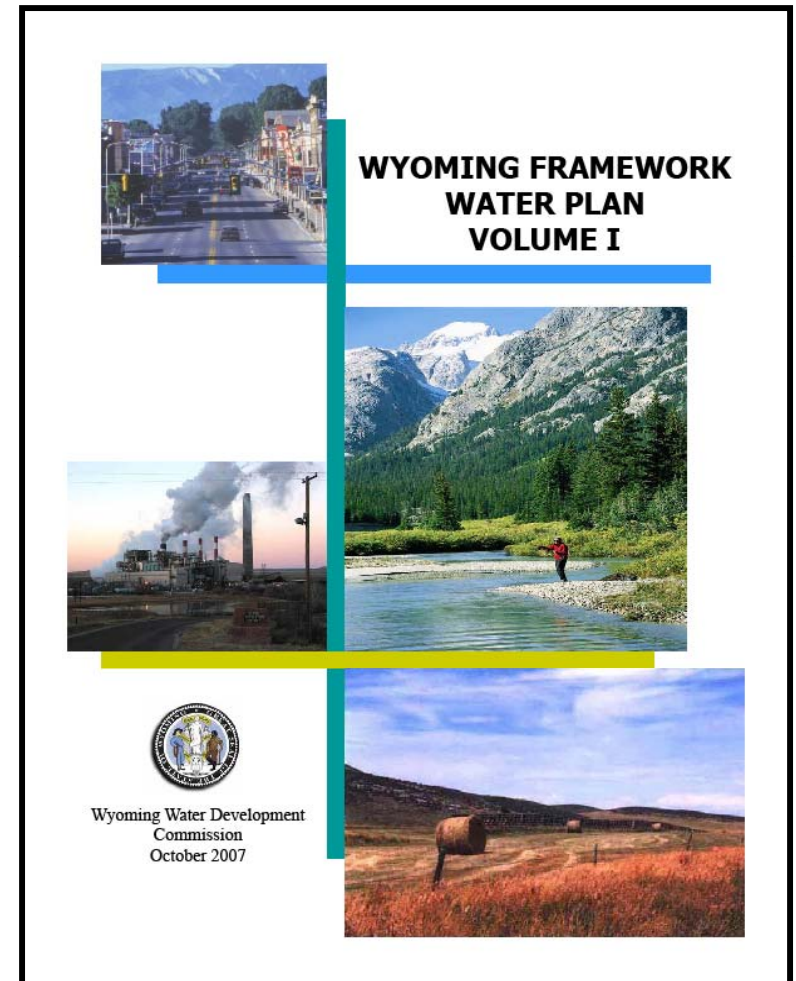
Basin Planning Process



State Framework Plan

Available online!

- Culmination of individual basin plans
- On-line presentation tool
- Recommendations



Current Project

- **WWC Engineering**
- **United States Geological Survey (USGS)**
- **Wyoming State Geological Survey (WSGS)**



Plan will Expand on:



- **Existing information and missing information**
- **Groundwater data collection**
- **Water demand projections based on population & economic projections**
- **Availability estimates**
- **Existing issues list**
- **Existing strategies list**

General Information Sheet (see handout)

STATE WATER PLANNING PROCESS GOALS, PRODUCTS, AND EXPECTATIONS www.waterplan.state.wy.us

PROCESS GOALS

What will water planning do for the State of Wyoming?

- Maintain an inventory of accurate and contemporary water data for use by the Governor, State Legislature, and state agencies to help respond to federal legislation and regulation, promote responsible development, and help local level grassroots decision making.
- Ensure Wyoming's ability to develop remaining compact allocations.

PRODUCTS

The planning team envisions two major products from the planning process:

- Comprehensive Basin Plans for the seven major river basins in Wyoming.
- A statewide water resources database accessed via the Internet and housed at the Wyoming Water Resources Data System (WRDS) at UW. (Note the web address at the top of the page)

The website houses all of the information and products developed during the plans and is a critical element in basin planning. On the website you will find:

- General basin planning information, the State Framework and individual basin water plans, meeting agendas and meeting minutes.
- Digital Reference Notebook containing BAG presentations, Green/Colorado River Basin information (compacts, federal regulations, Wyoming water information, etc.).
- Digital comment cards for making comments and recommendations to the planning team.

EXPECTATIONS

The Basin Advisory Group (BAG) has a role to play in the planning process. BAG responsibilities:

- Attendance at the BAG meetings. The meeting locations will rotate throughout the basin providing opportunity for attending at least one or two meetings.
- Giving, and listening to, presentations that define issues/challenges and their strategies for handling the challenges.
- Strategy discussions during, and outside, of BAG meetings (written comment cards, web comment card, personal conversation with the Consultants and state agencies).

The BAG and contributing agencies are encouraged to participate in the development of strategies. Examples of strategies follow:

- Municipal master plans.
- Conservation.
- Development of water supplies (reservoirs-new and rehabilitated, groundwater, etc.)
- Watershed planning.
- Enhancing environmental and recreational opportunities.
- Assessment of reservoir operations for handling changes in runoff.
- Groundwater modeling.
- Expanding the State's stream gaging network.

Contact the project manager for further information and to reach other planning team members.

- Chace Tavelli, WWDO Project Manager: 307-777-7626; ctavel@state.wy.us

Issues/Strategies Summary (see handout)

ISSUES	STRATEGIES
Agriculture	Identify and pursue water storage opportunities to improve irrigation water supply on tributaries in the Upper Green River Basin. Conduct watershed studies to assess resources and opportunities.
Groundwater	Evaluate and describe groundwater resources of the Green River Basin.
Economic development	Assist in planning for future growth to properly manage and allocate water resources.
Downstream claims/Compacts and Decrees	Obtain accurate data on water supply and use in the Green River Basin.
Water quality	Continue to reduce salt loading to the Green River and its tributaries. Encourage cooperative efforts with the DEQ/WQD and the salinity control program to protect and improve water quality.
Municipal/Domestic	Plan for future municipal and domestic water use within the basin. Use master plans to assess growth potential and establish water and infrastructure needs.
Water conservation/Re-use	Identify opportunities for water conservation, re-use and recycling with in the basin.
Non-consumptive/Aesthetic uses	Consider non-consumptive and aesthetic water uses and needs in planning. Environment and Recreation.
Water development	Encourage water resource development to meet the needs and demands in the basin.
Federal involvement/Regulations/Lawsuits	Work with government agencies and the public to implement needed projects and to avoid project road blocks and lawsuits.
Recreation	Consider non-consumptive and aesthetic water uses and needs in planning. Environment and Recreation.
Industry/Minerals/Manufacturing	Plan for future industrial water use within the basin.
Drought mitigation/Flood control	Evaluate the basin hydrology and plan for meeting water needs and protection of property. Obtain accurate data on water supply and use in the Green River Basin. Conduct watershed studies to assess resources and opportunities.
Water rights	Work to maintain and protect water rights with in the basin. Obtain accurate data on water supply and use in the Green River Basin.
Project implementation	Work with local groups to sponsor and implement needed water resource projects within the basin. Work with government agencies and the public to implement needed projects to avoid project road blocks and lawsuits.

Consultant Update



Murray Schroeder, WWC Engineering



Consultant Update



Population Projections

2005 to 2055

Methods

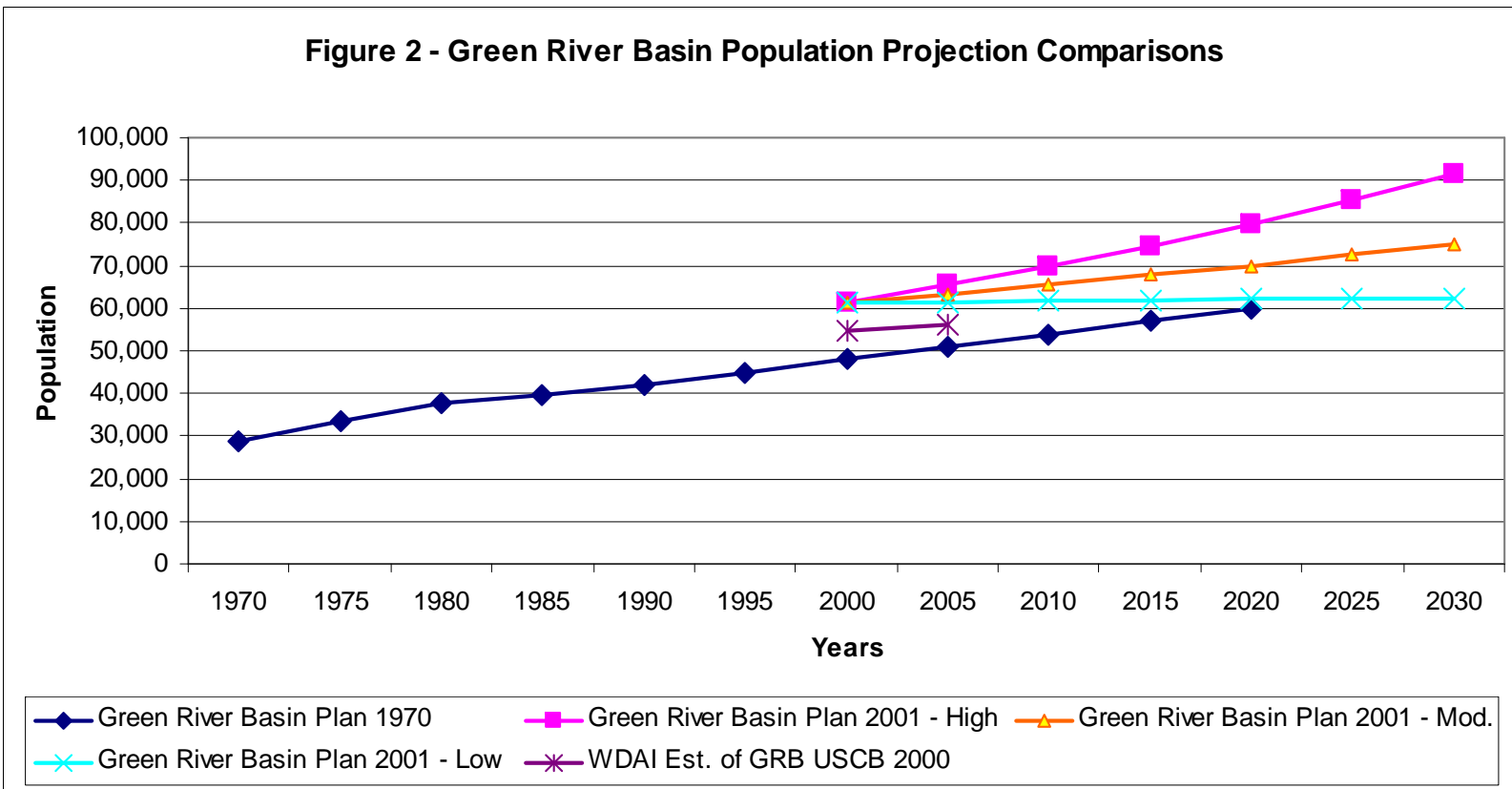
- USCB & WDAI
- Refining USCB – Cohorts
- Time Series



Historical



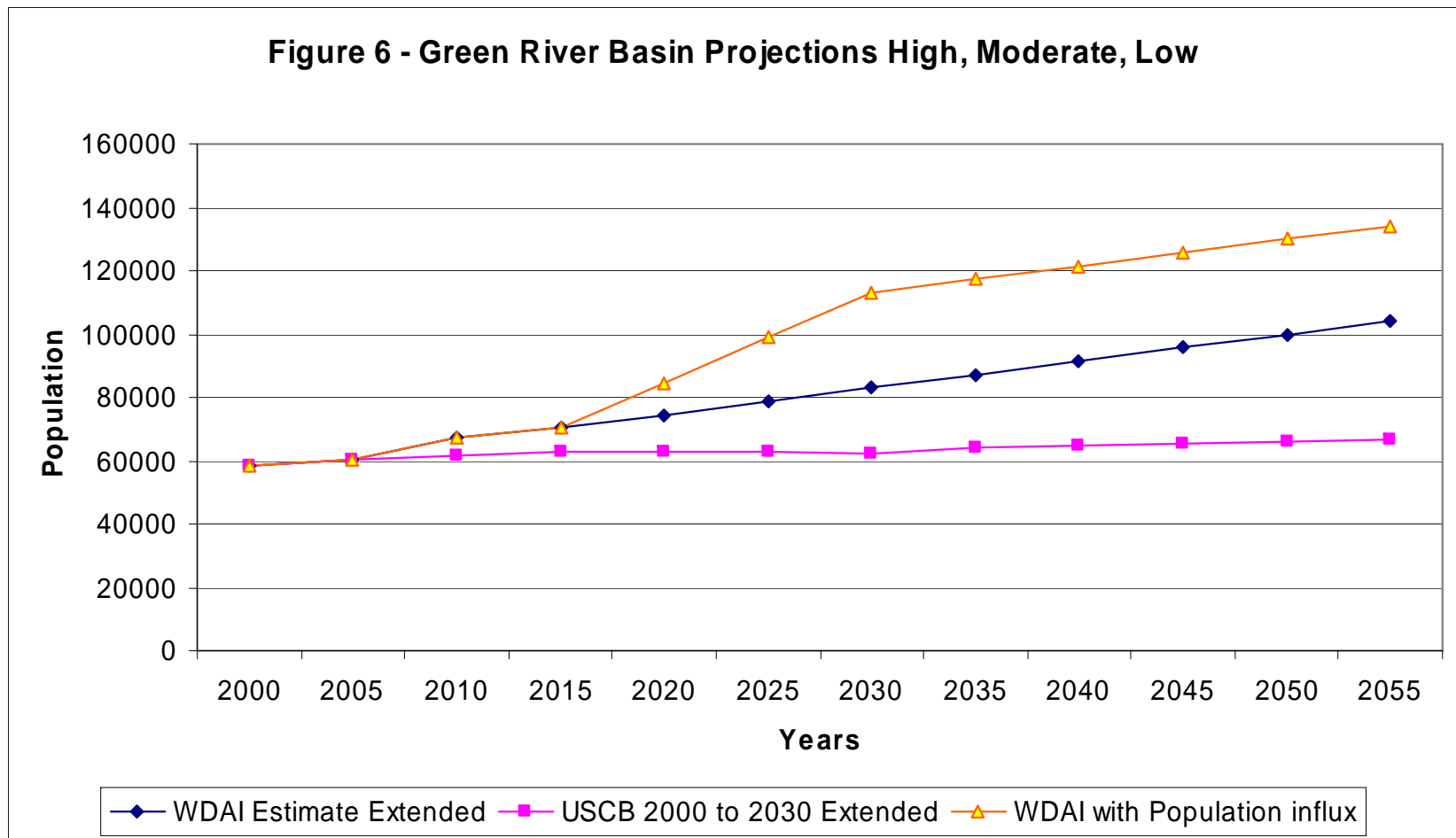
Figure 2 - Green River Basin Population Projection Comparisons



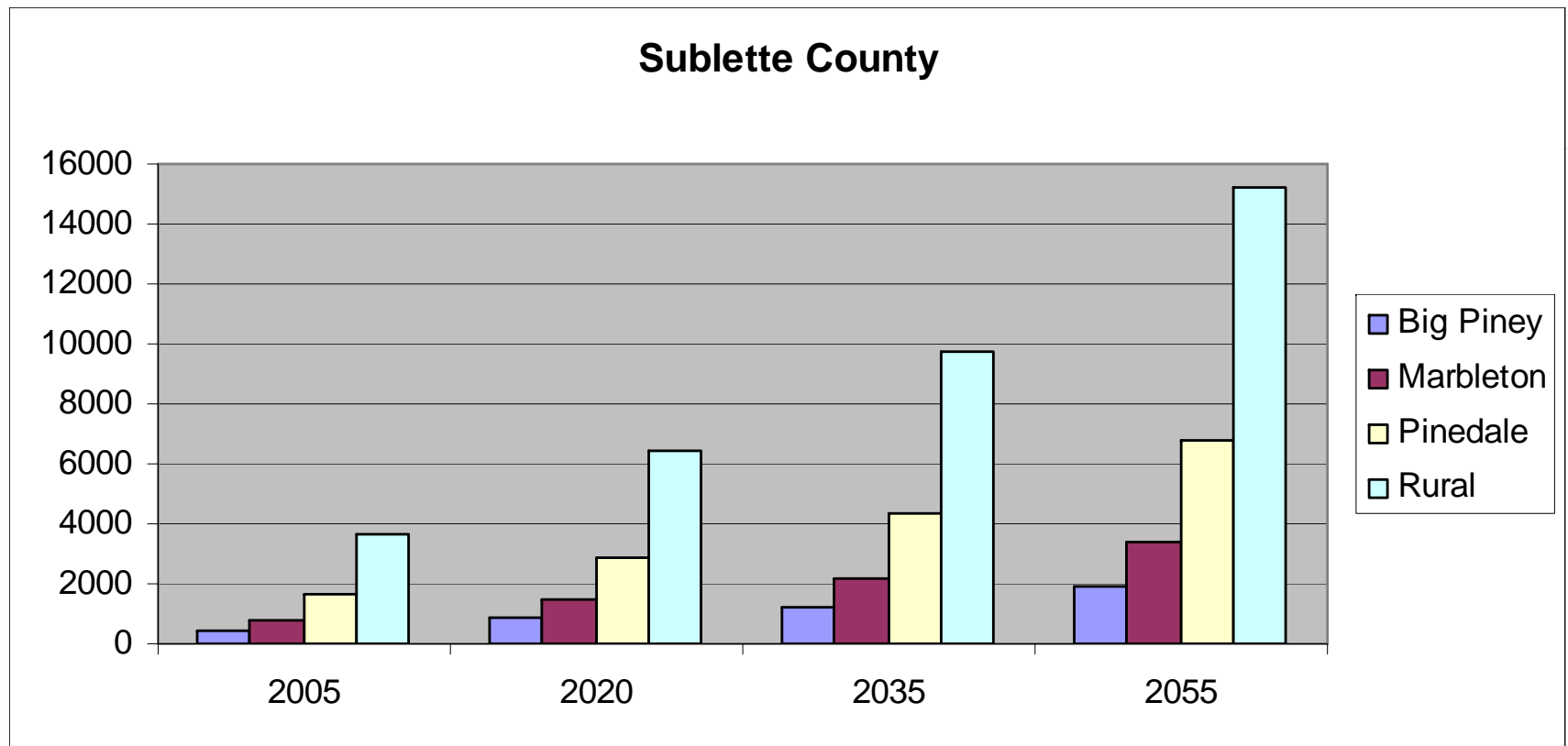
Update



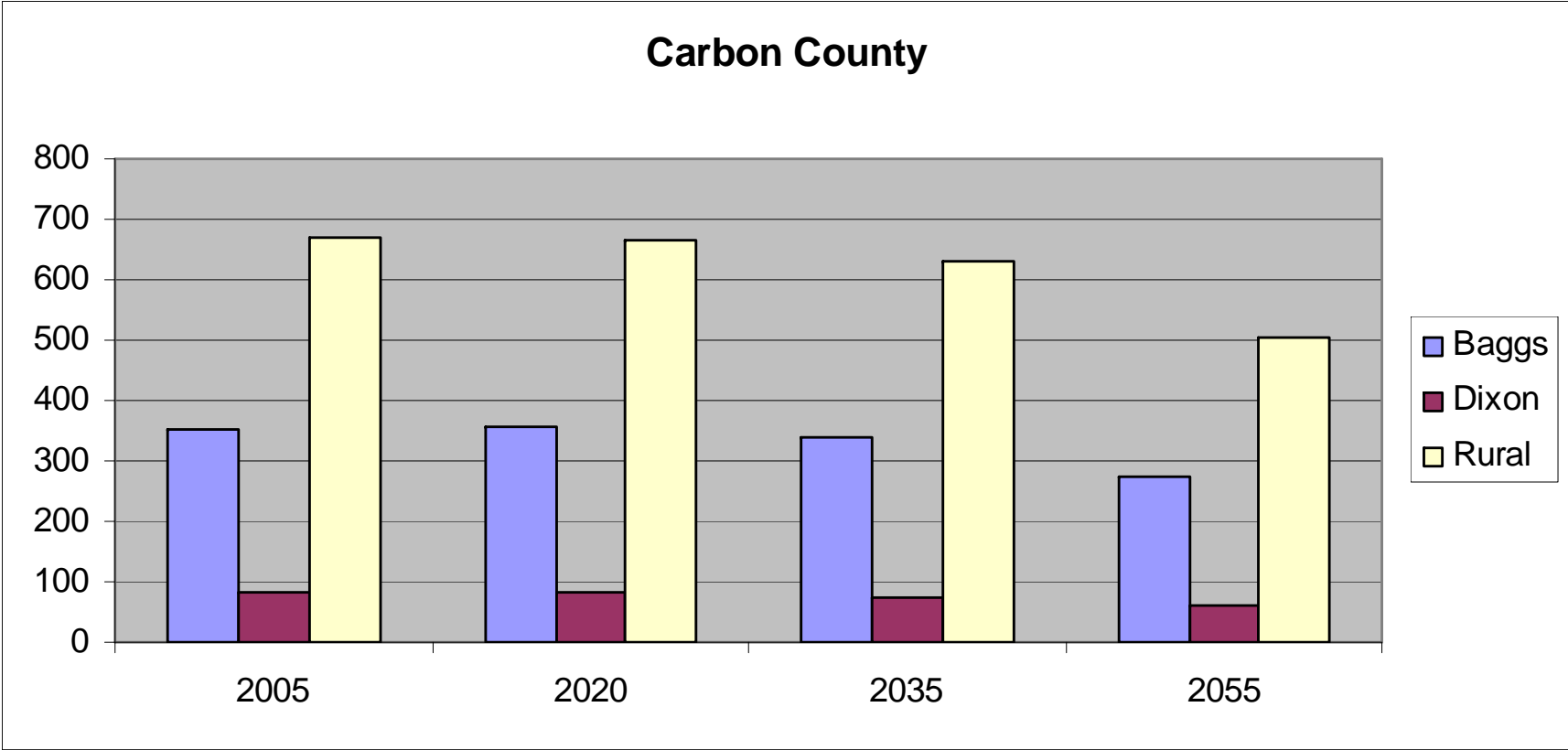
Figure 6 - Green River Basin Projections High, Moderate, Low



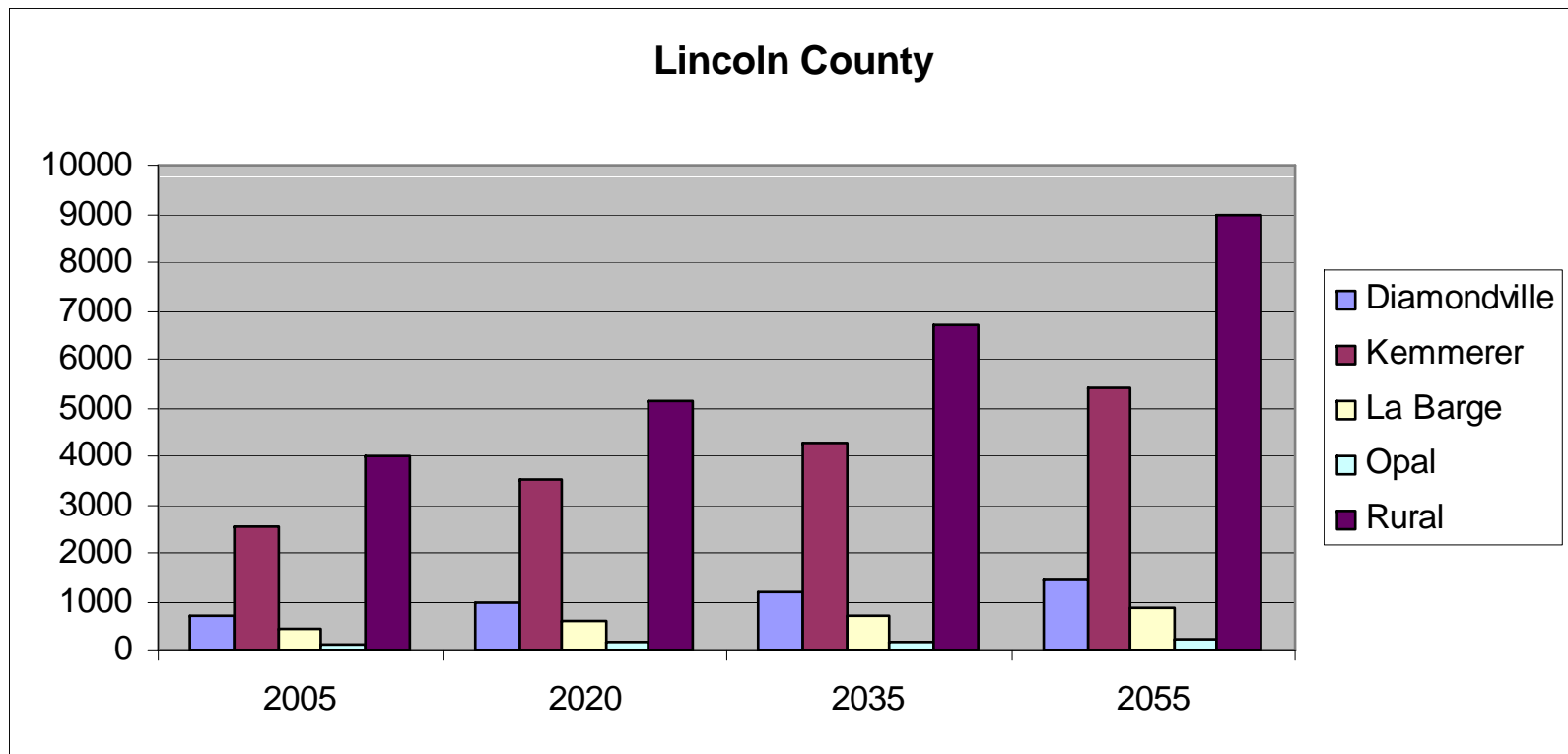
Population Projections



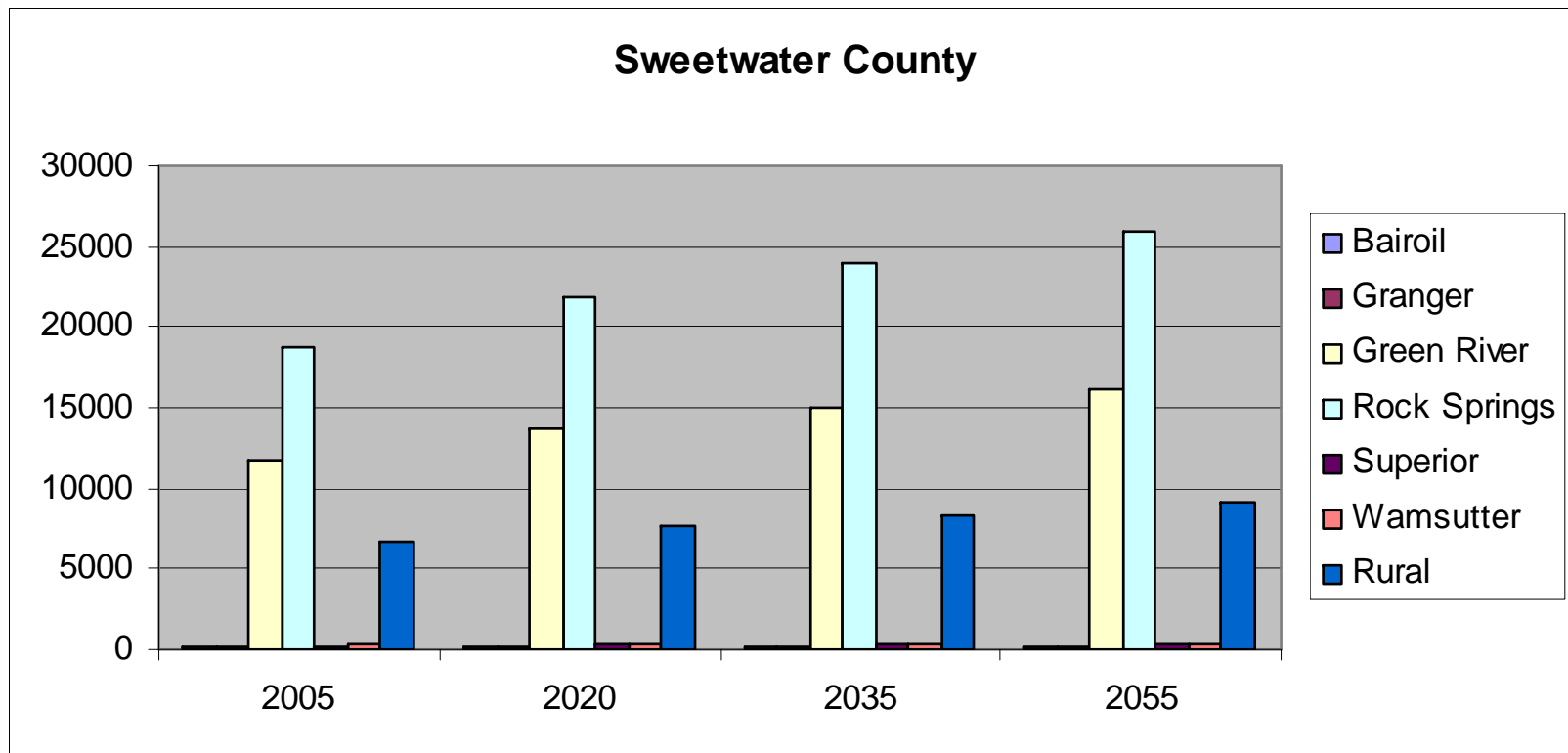
Population Projections



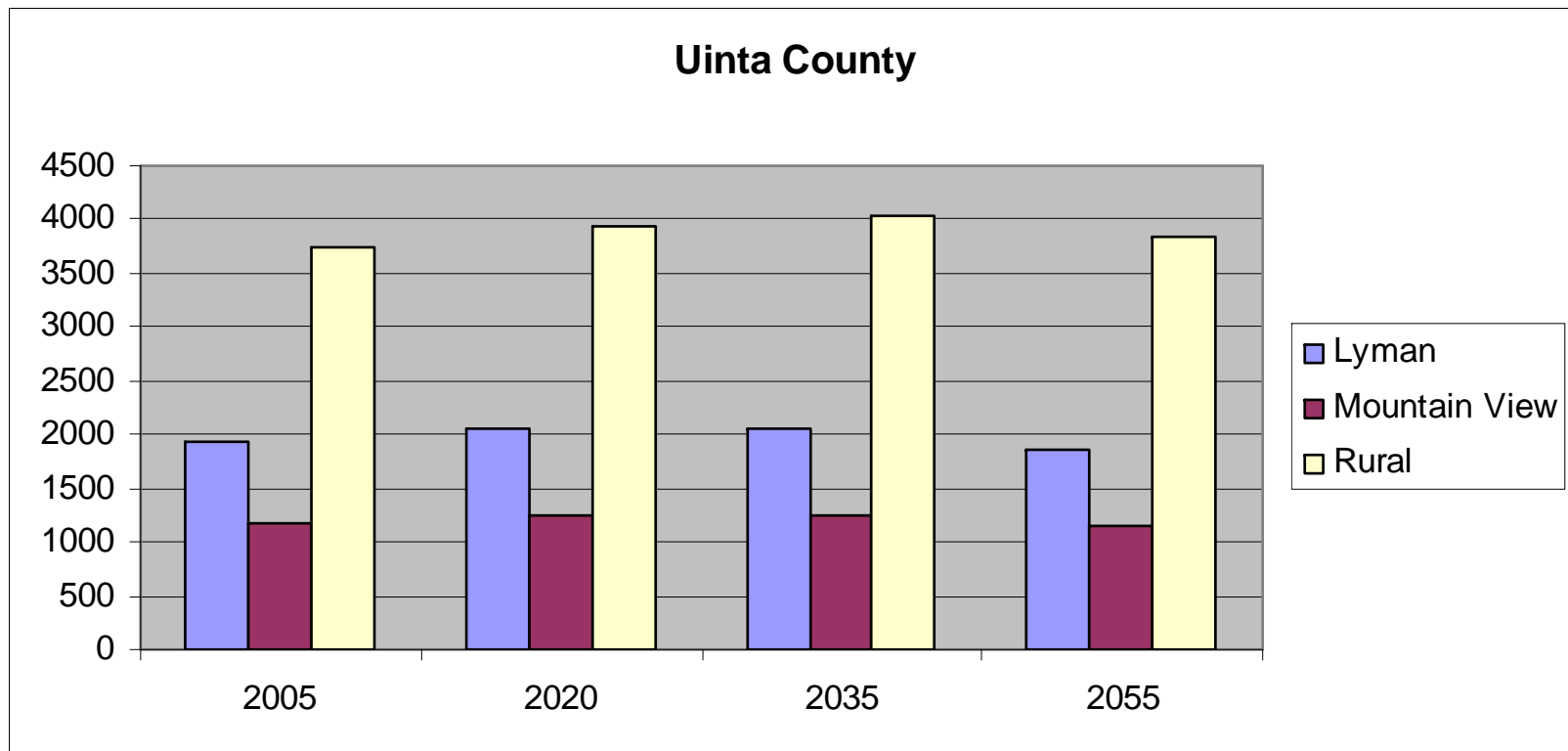
Population Projections



Population Projections



Population Projections



Scheduled Speakers

Green
River
Basin
Plan

