

# Senate Bill One Phase Two

Region C Water Planning Group  
Meeting

December 2, 2002



# Agenda

- ◆ Update Task 2 Schedule
- ◆ Discuss suggested revision to the draft TWDB population projections
- ◆ Update status of water needs projections
- ◆ Present quarterly newsletter
- ◆ Discuss press releases

# Agenda

- ◆ Provide summary of newspaper articles
- ◆ Provide summary of public comments
- ◆ Discuss water conservation

## Task 2 Schedule

- ◆ Suggested revisions emailed to RCWPG on Nov. 26<sup>th</sup>
- ◆ Dec. 2<sup>nd</sup> RCWPG meeting to discuss and approve suggested revisions
- ◆ Mid-December send memo to RCWPG for approval to submit to TWDB with suggested population revisions
- ◆ Request for revisions to population projections due to TWDB on January 2, 2003

# Overall Approach

- ◆ Start with TWDB Numbers
- ◆ Initial Revisions Adopting
  - WUG Revisions
    - 199 out of 296 WUGs responded
    - 82 out of 199 suggested revisions
  - Major Supplier Revisions
  - Consultant Ideas (mostly small counties)
- ◆ Adjust to Final Recommendations by Slowing Growth Somewhat in Fast-Growing Areas

# Initial Revisions

- ◆ Some WUGS See Buildout Lower than Projections
  - Usually in Urbanized Counties
  - Biggest Impact: Carrollton, Celina, Coppell, De Soto, Frisco, Garland, Plano, Richardson, Seagoville
- ◆ Some WUGS See More Rapid Growth
  - Usually in Fringe Counties

# Initial Revisions

- ◆ Talked with Major Suppliers
  - Dallas WU
  - Tarrant Regional WD
  - North Texas Municipal WD
  - Upper Trinity Regional WD
  - Trinity RA
  - Greater Texoma UA

# Initial Revisions

- ◆ Overall Near TWDB Number in 2060  
(30,000 higher)
- ◆ Overall Higher Than TWDB in 2010-2030  
(100,000 higher)



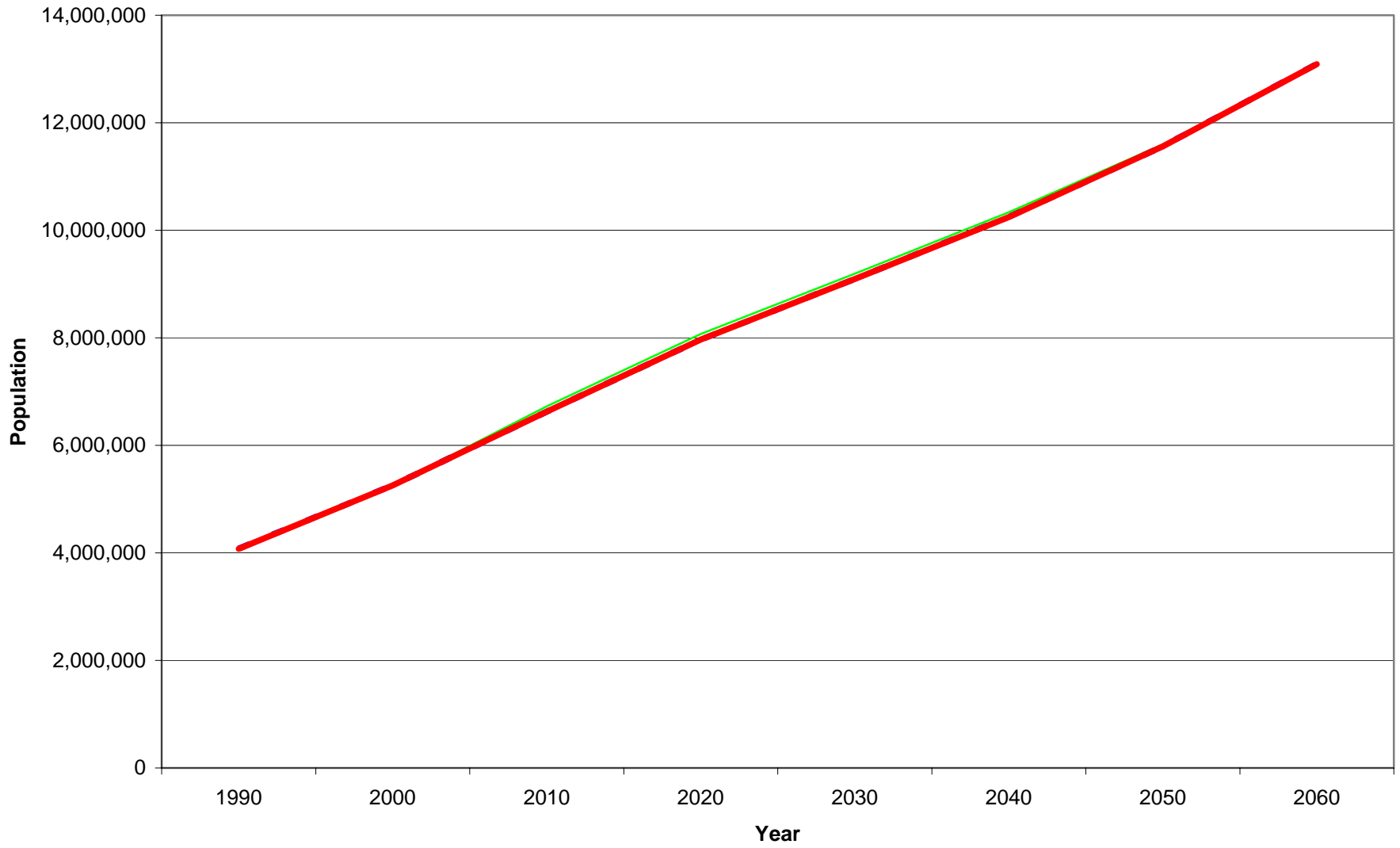
# Adjustments to Final Recommendations

- ◆ Slowed Rapid Growth Areas Somewhat
- ◆ Changes Mostly 2010-2040
- ◆ Revised Numbers Match TWDB
  - Except Reduction for Moving Berryville to Region I

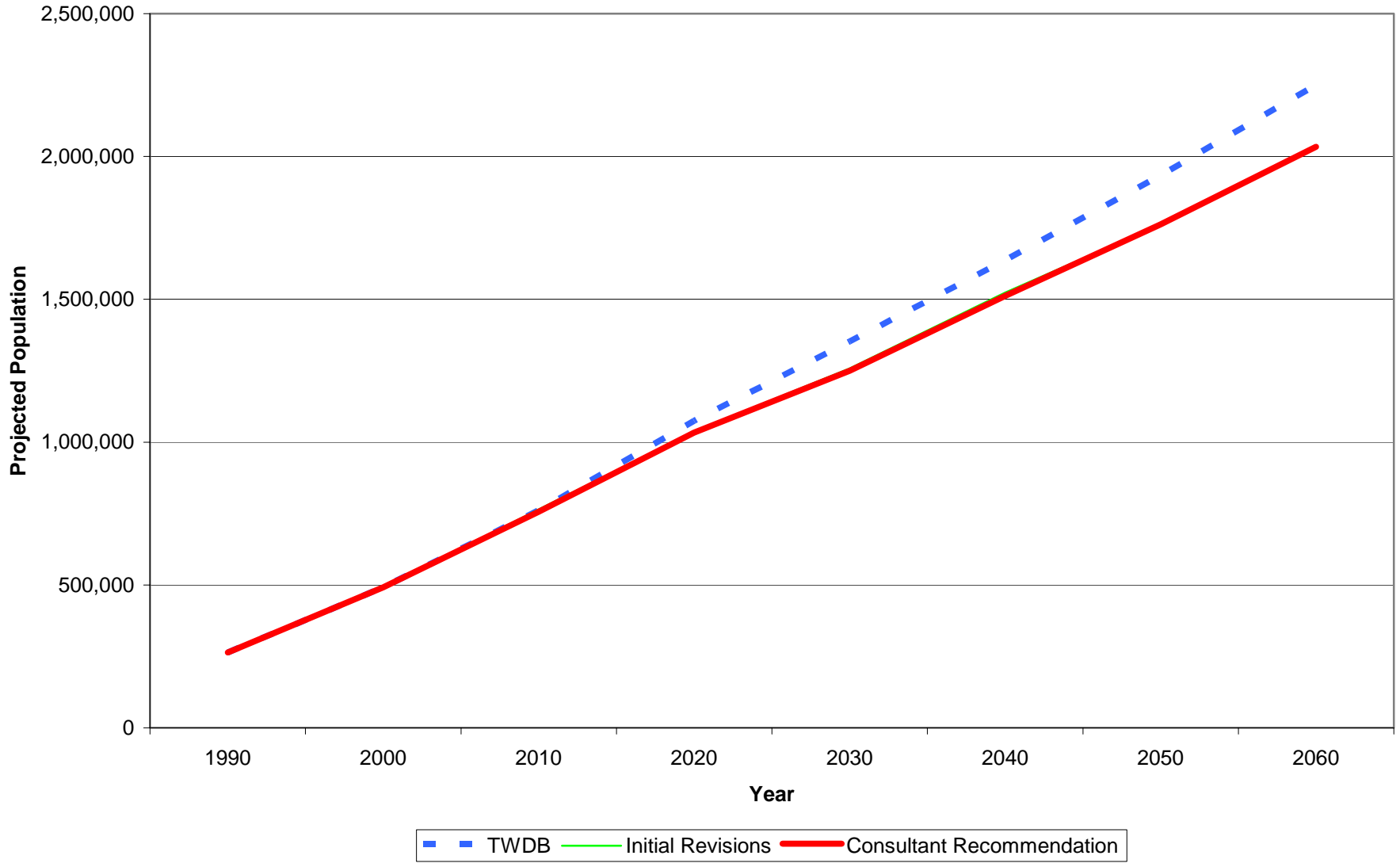
## Adjustments to Final Recommendations

- ◆ Adjustments from Initial to Recommended were to Allen, Bolivar WSC, Celina, Denton, Dallas, Farmersville, Forney, Forney Lake WSC, Fort Worth, Frisco, Garland, Lewisville, Mesquite, Princeton, Prosper, Rockwall, Valley View, and Van Alstyne.

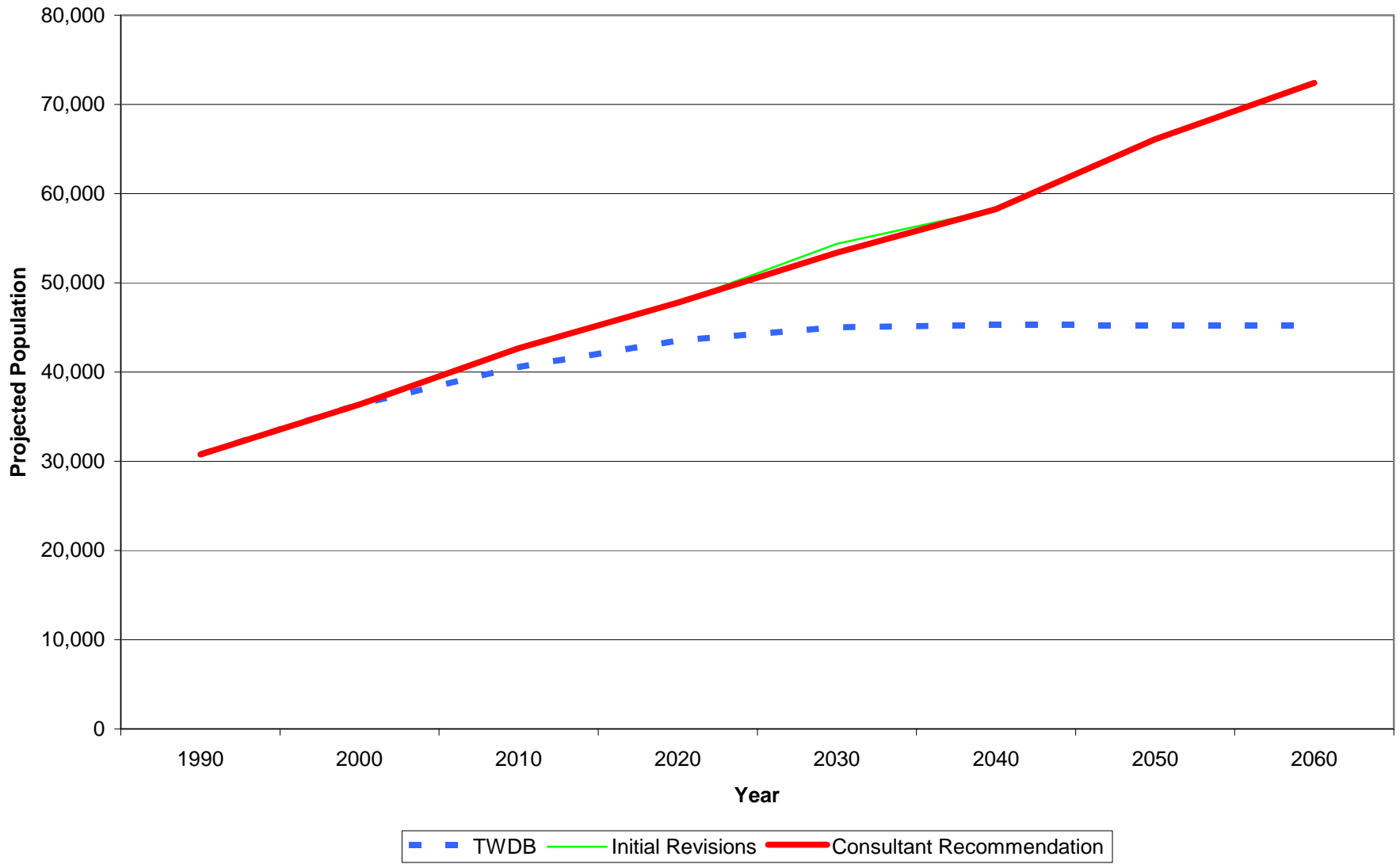
### Region C Population



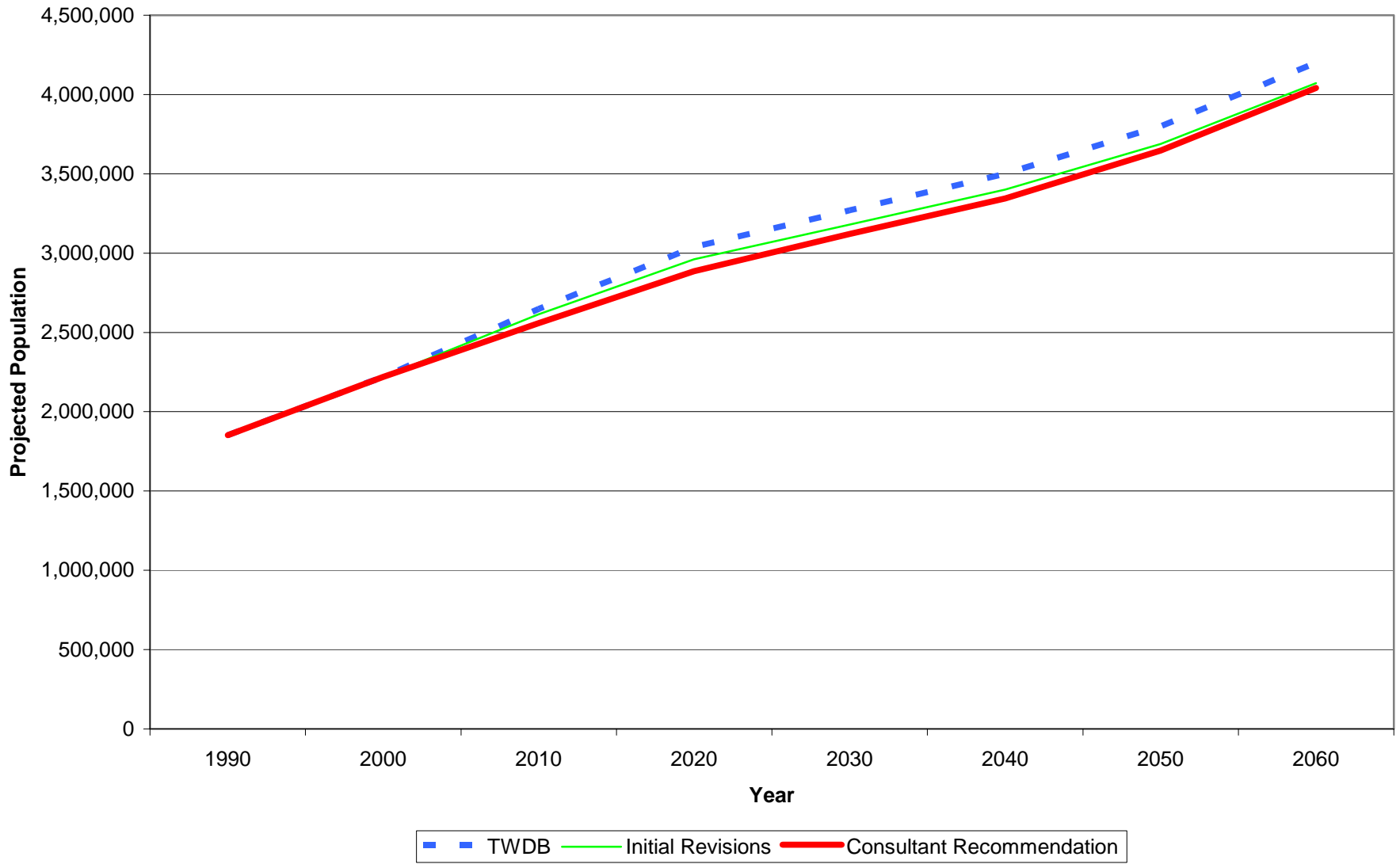
# Collin County Projections



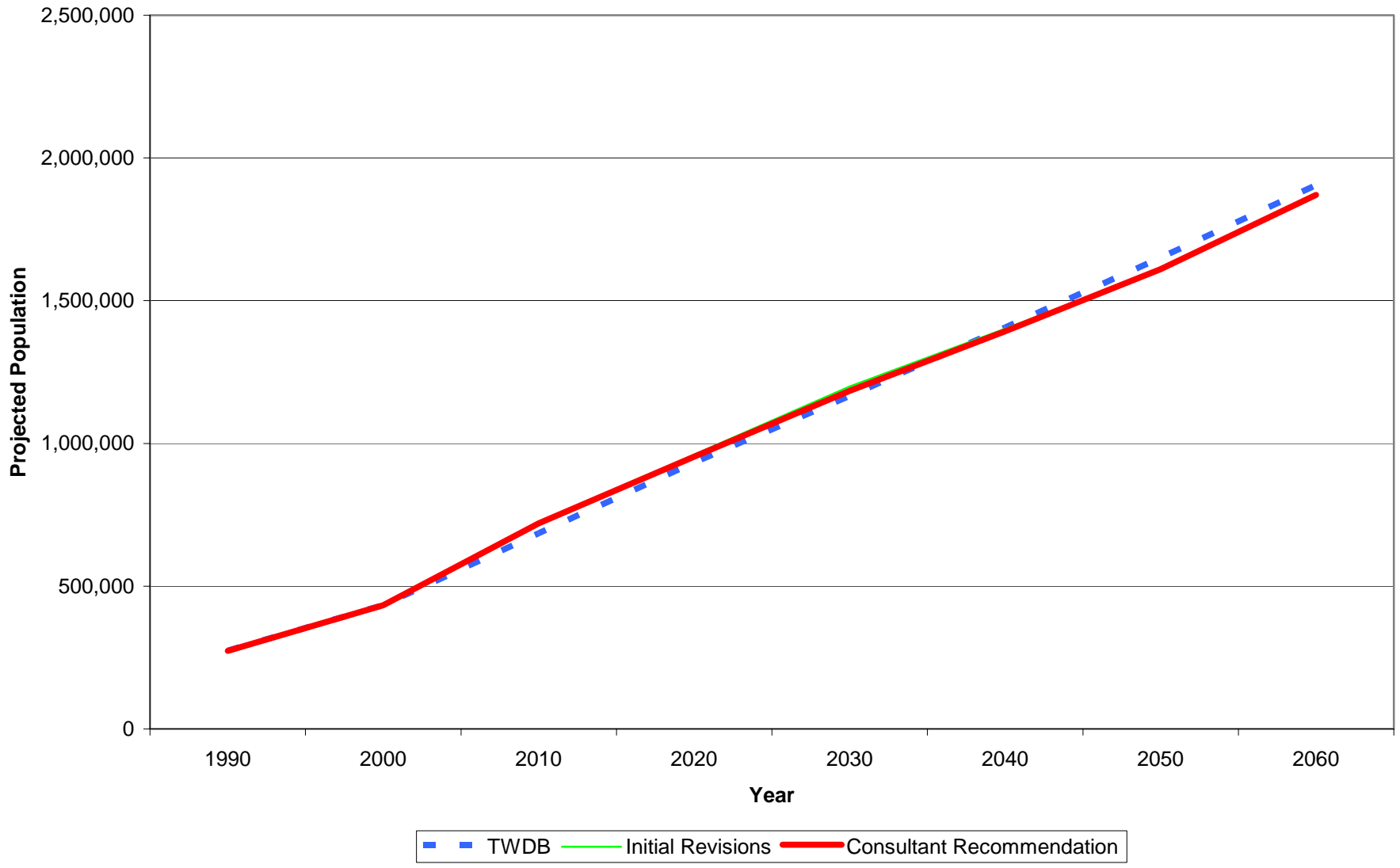
# Cooke County Projections



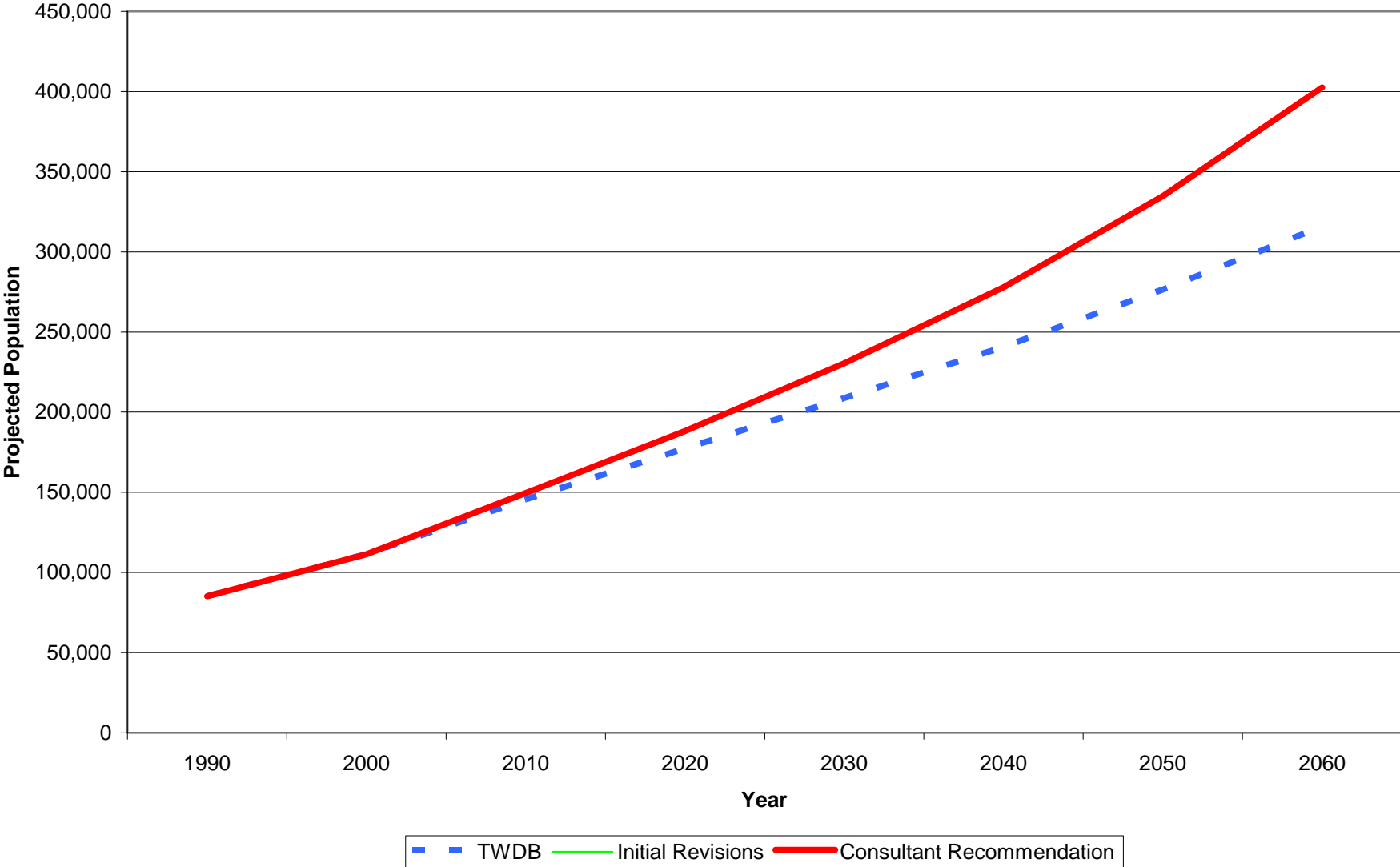
# Dallas County Projections



# Denton County Projections

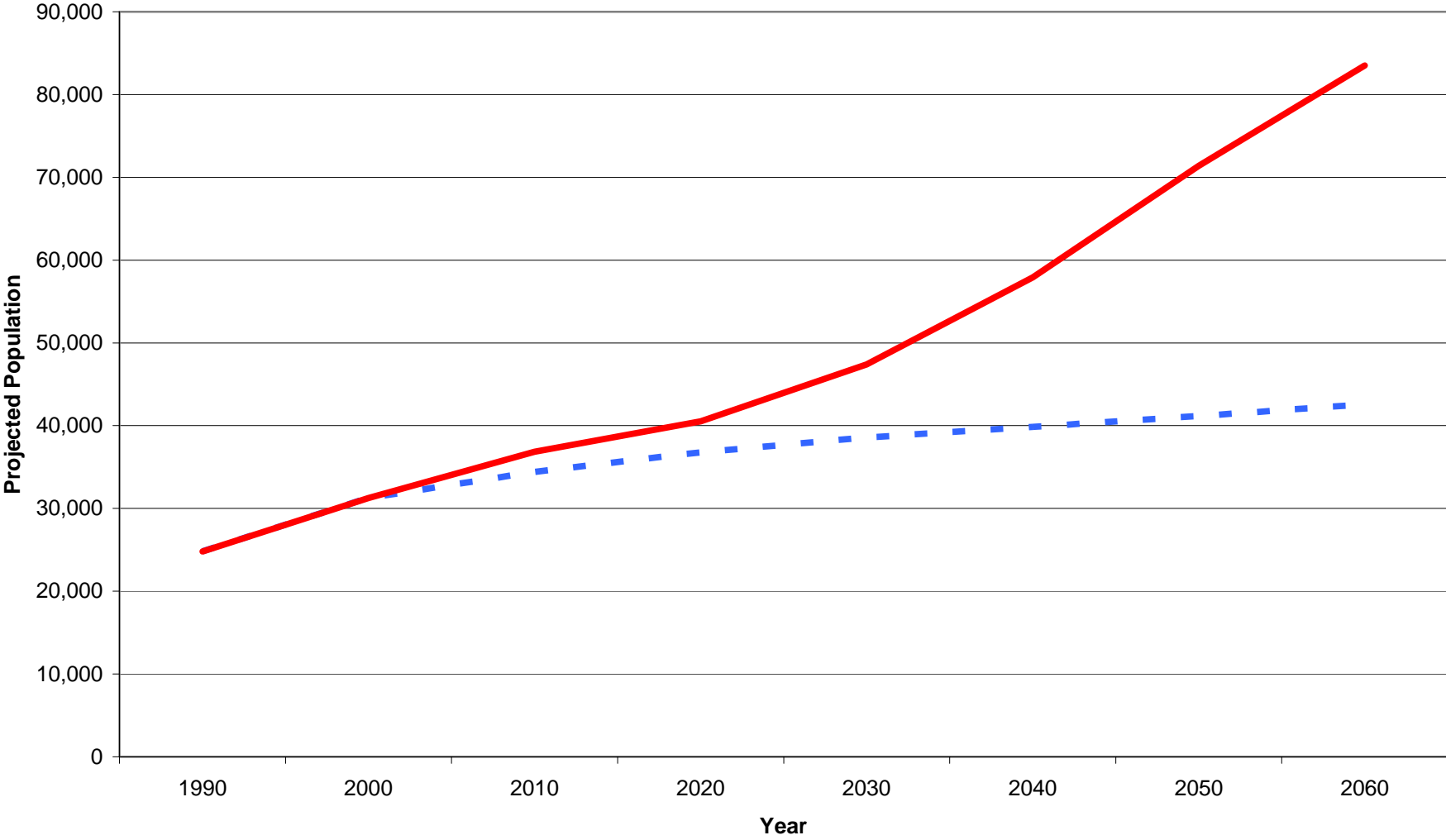


# Ellis County Projections



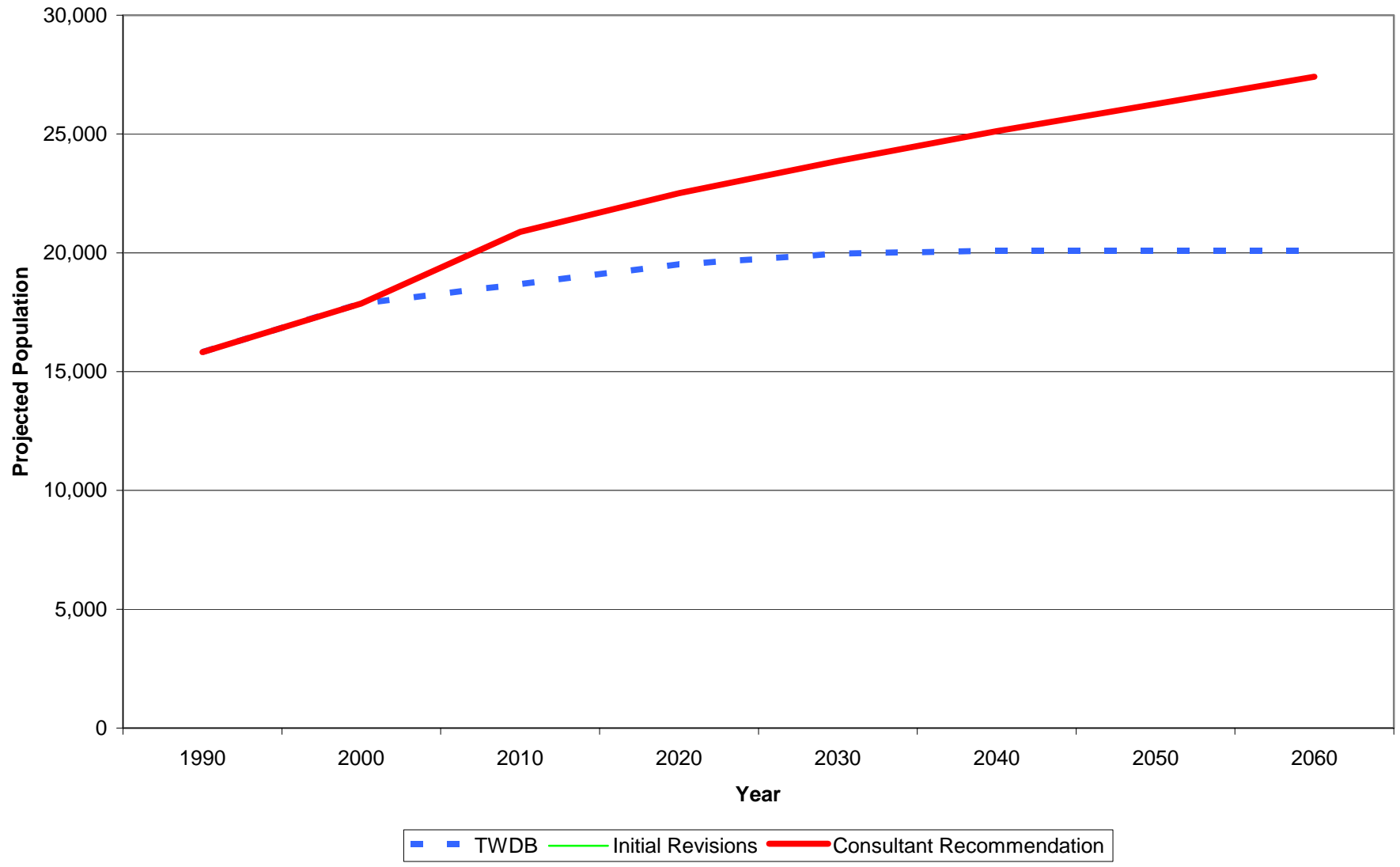


# Fannin County Projections

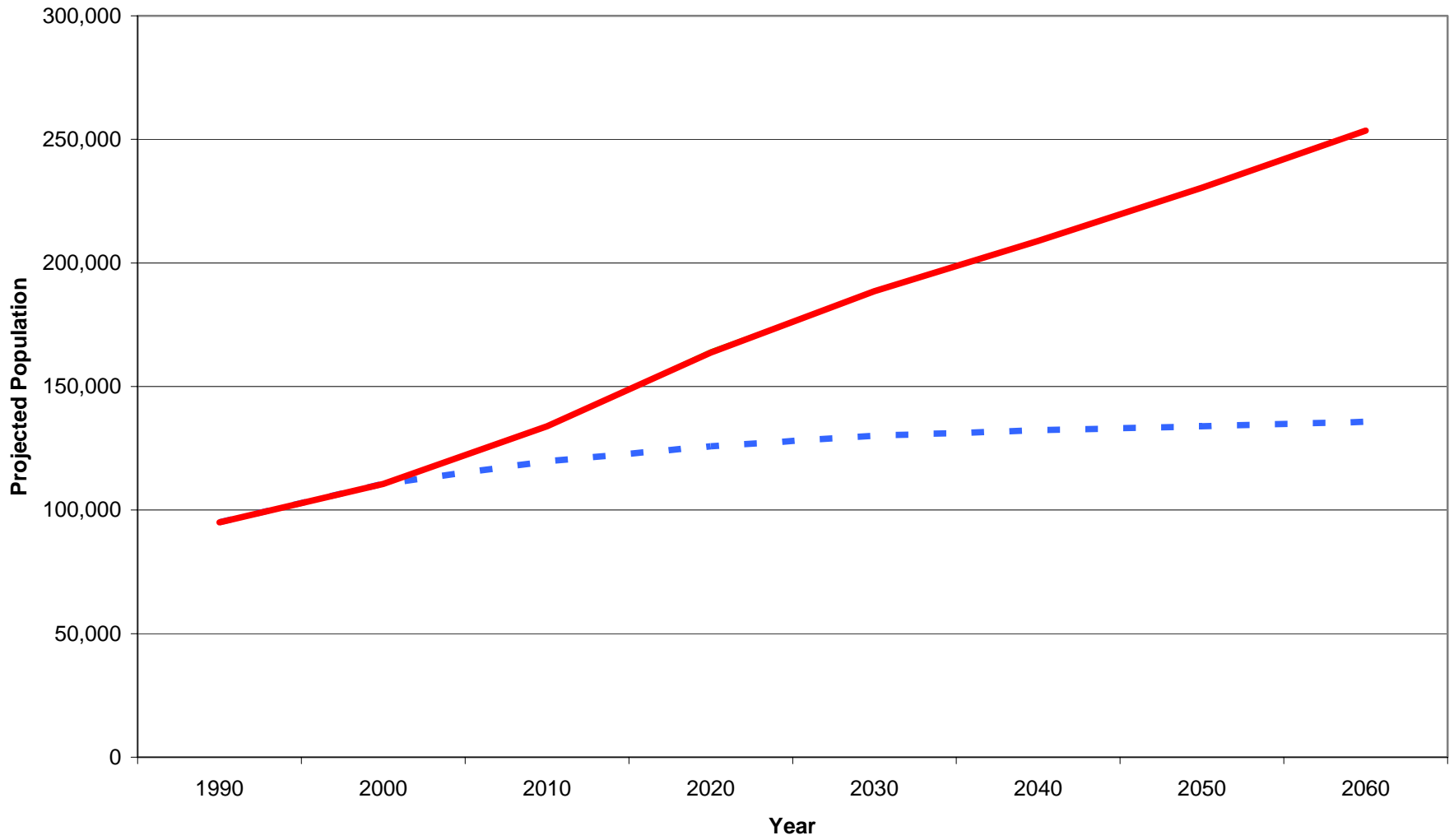


■ TWDB ■ Initial Revisions ■ Consultant Recommendation

### Freestone County Projections

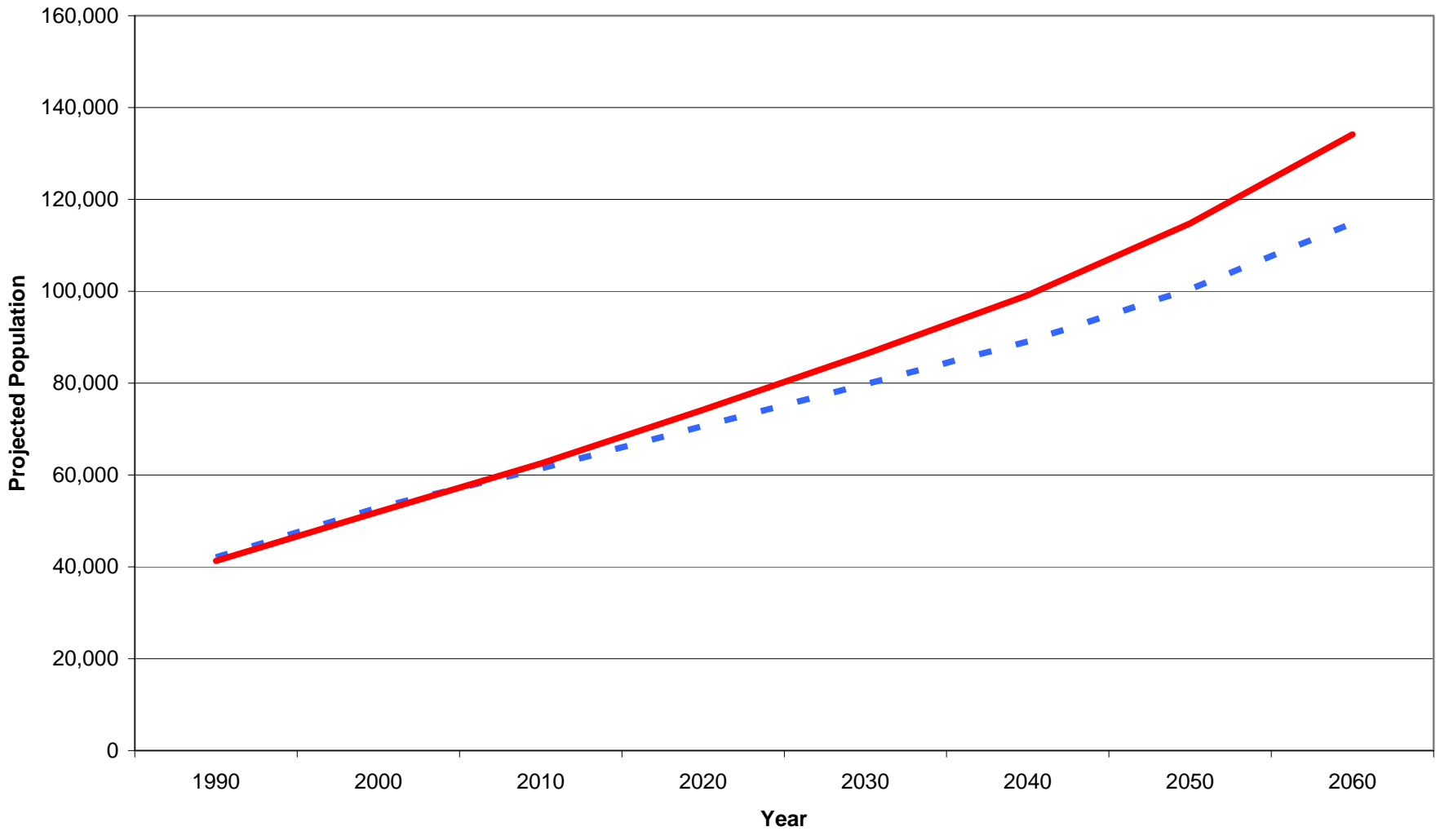


# Grayson County Projections



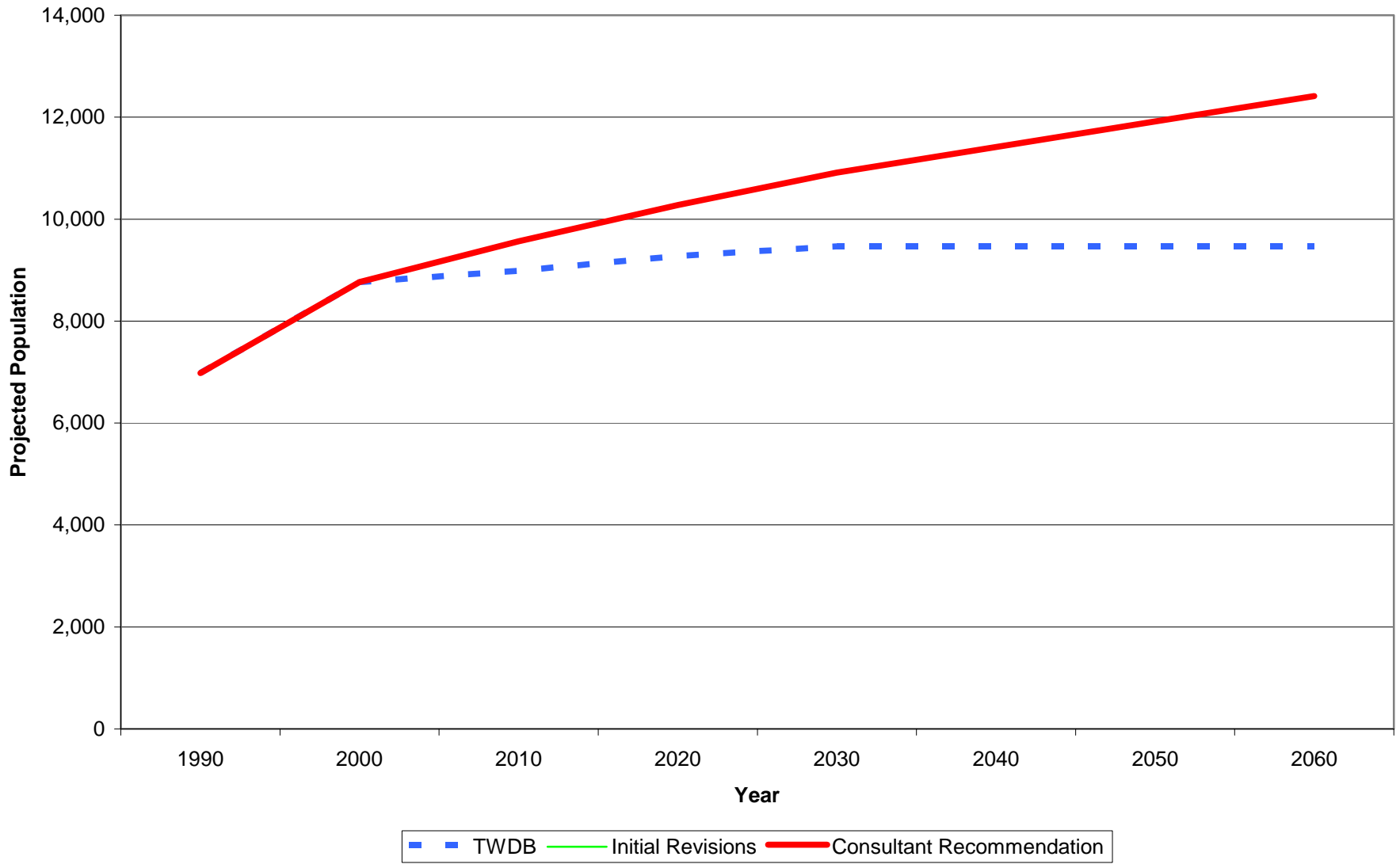
■ TWDB   ■ Initial Revisions   ■ Consultant Recommendation

# Henderson County Projections

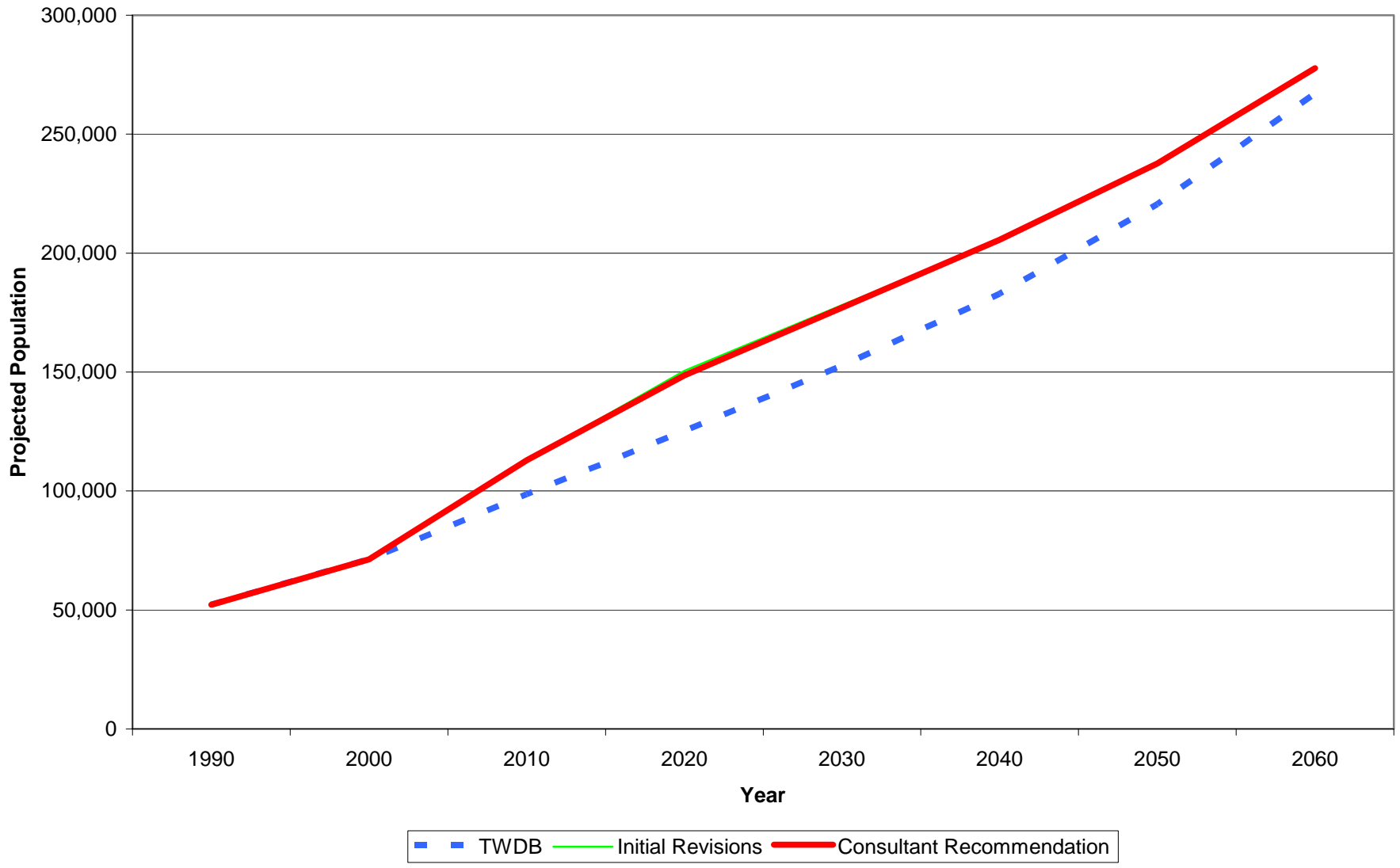


■ TWDB ■ Initial Revisions ■ Consultant Recommendation

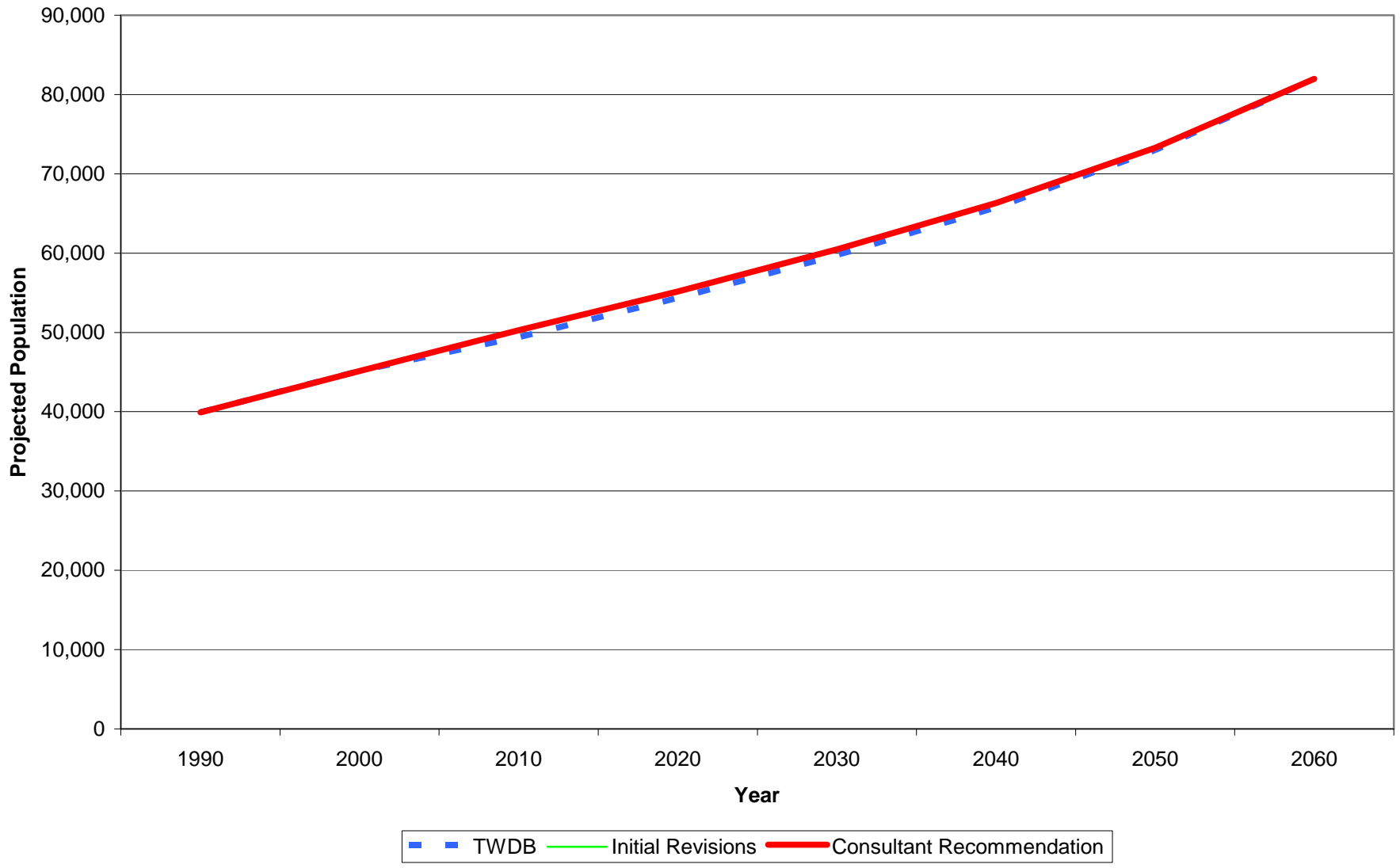
# Jack County Projections



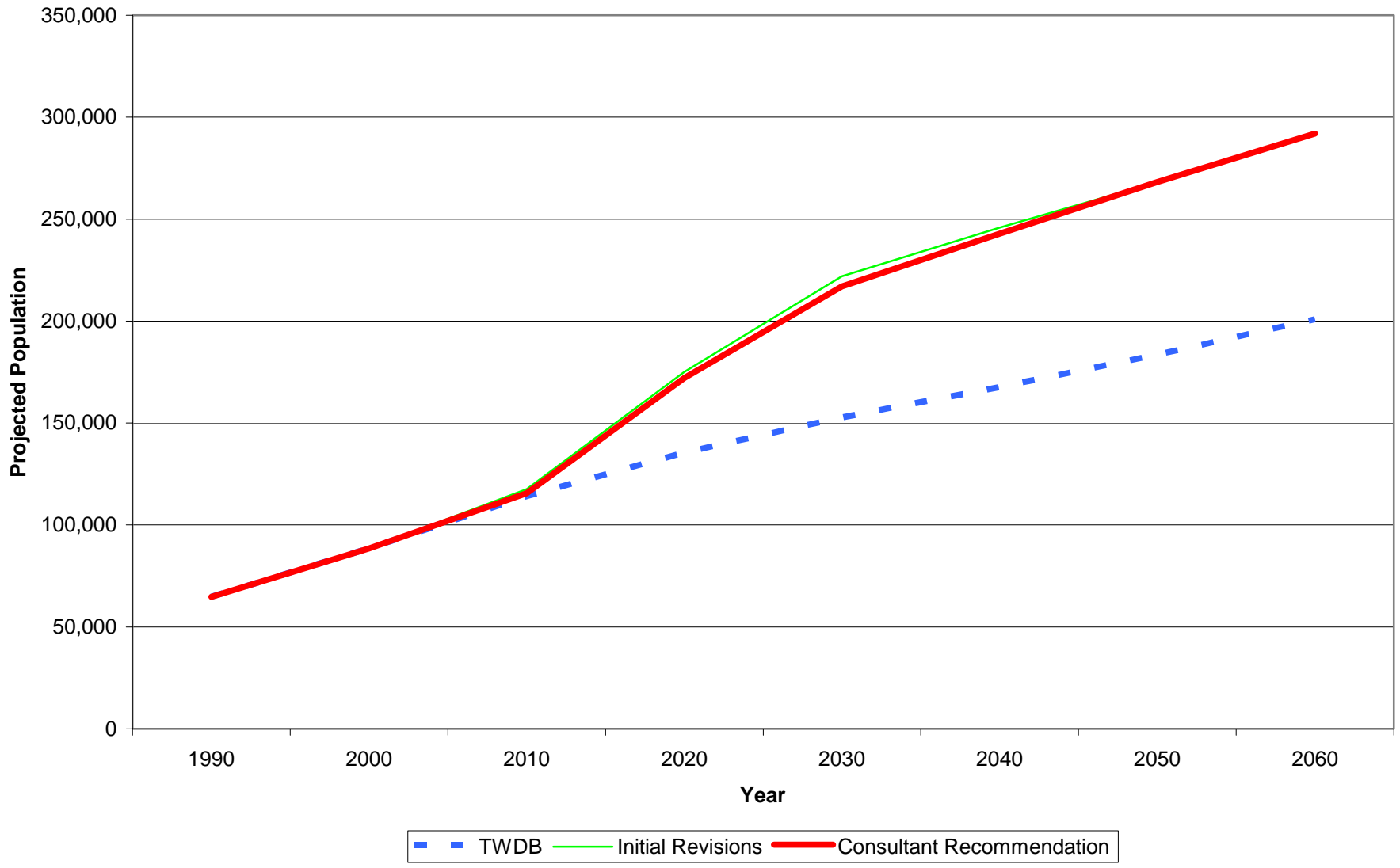
# Kaufman County Projections



# Navarro County Projections

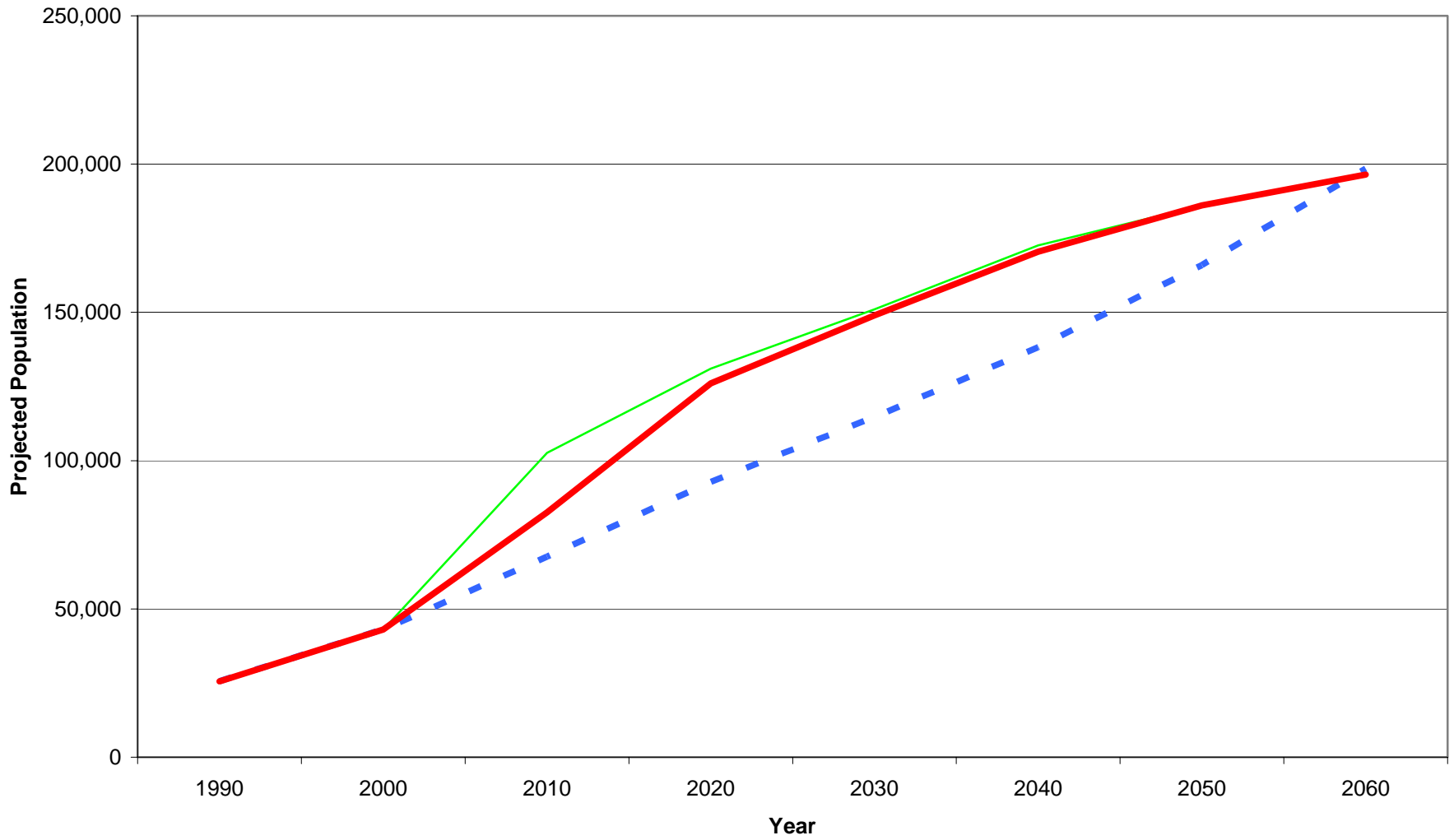


# Parker County Projections



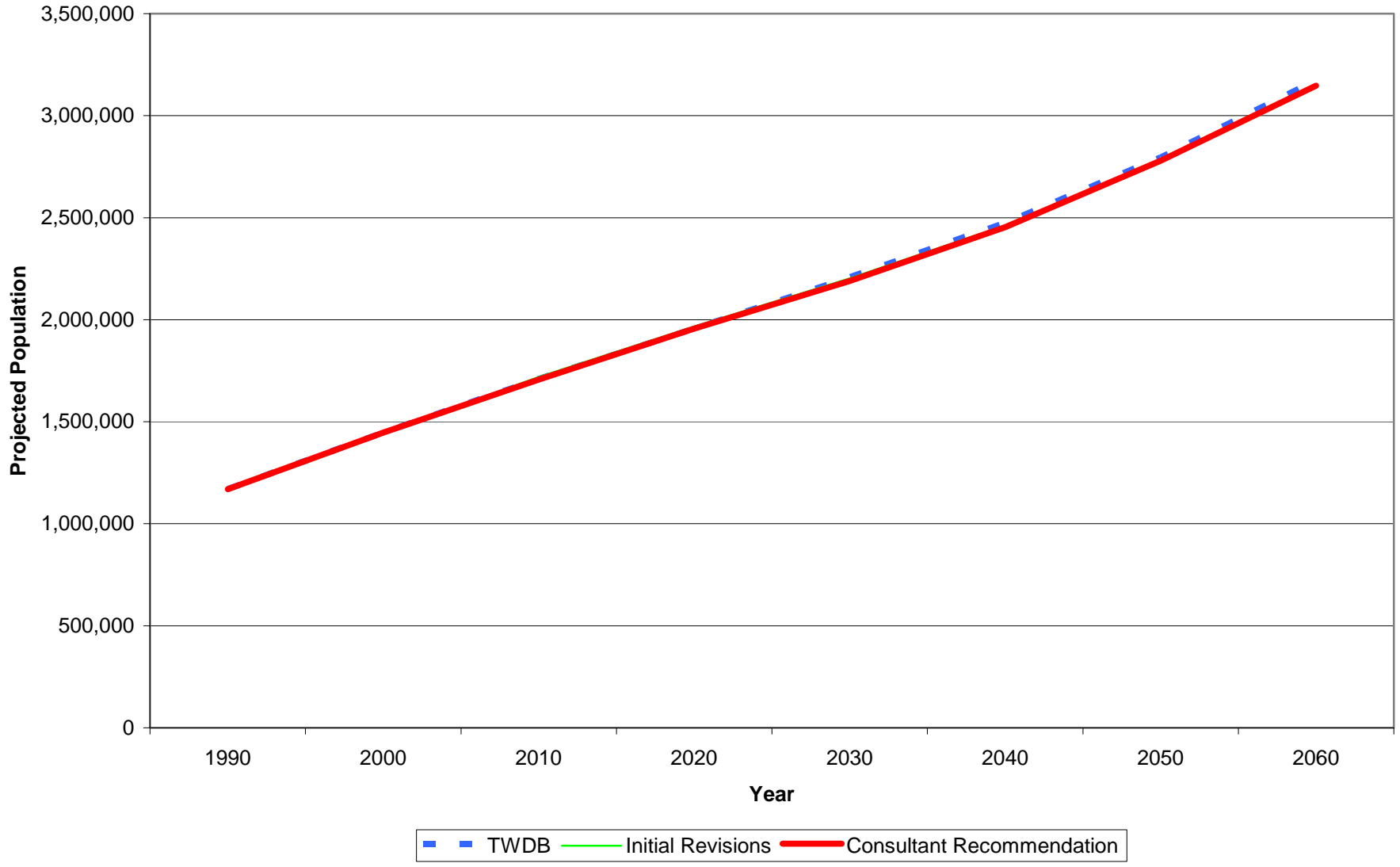


# Rockwall County Projections

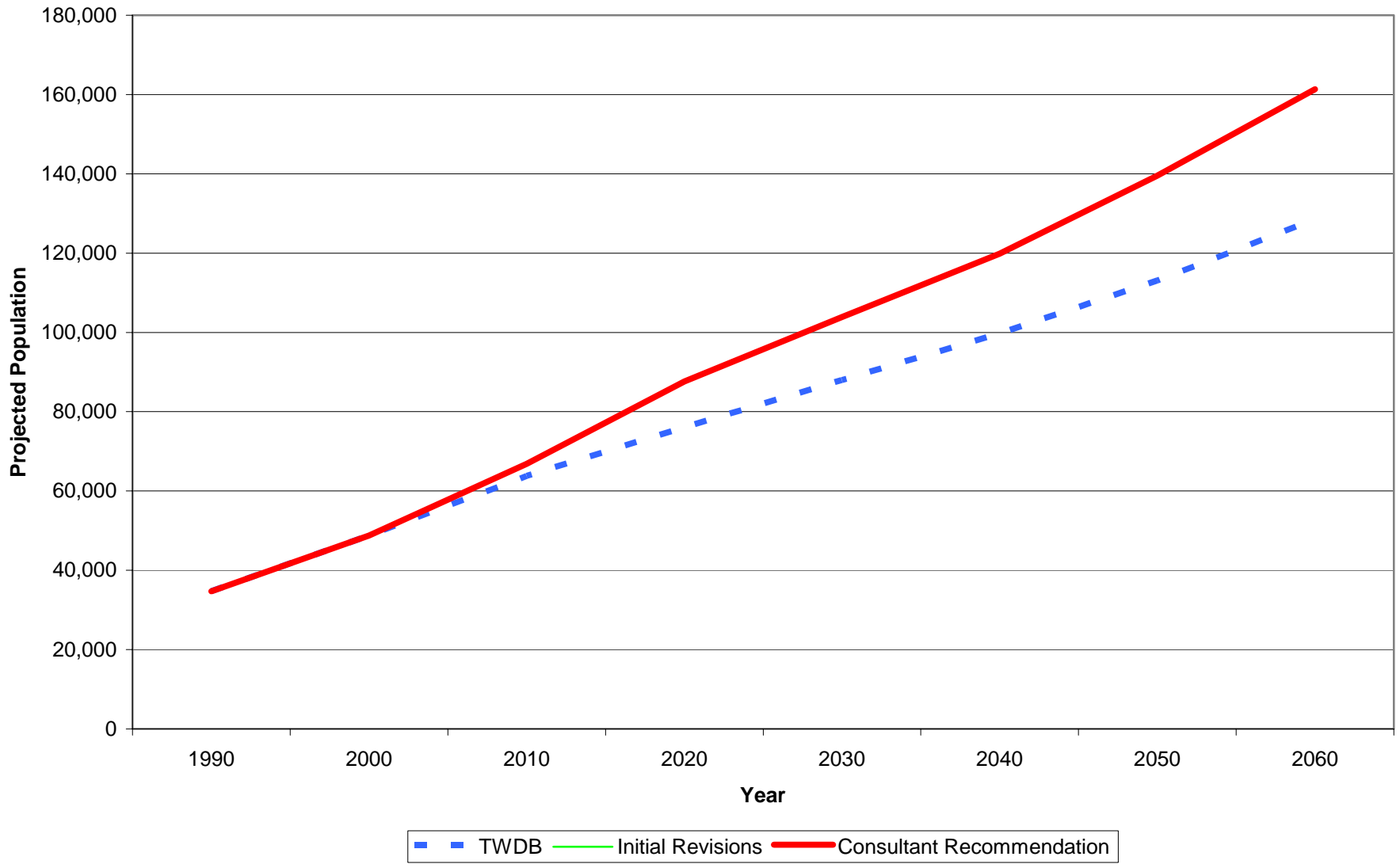


■ TWDB ■ Initial Revisions ■ Consultant Recommendation

# Tarrant County Projections



# Wise County Projections



# Overall Impact of Recommended Changes

- ◆ Meet TWDB criteria
  - Regional Totals Don't Change (except for Berryville)
  - Driven Primarily by Build-out and Resulting Shifts to Other Areas
- ◆ Very Close to WUG Requests
- ◆ Move Some Growth from Central Counties to Fringe Counties

# Outline of Memorandum to TWDB

- ◆ Introduction
- ◆ Historical growth trends in Region C
- ◆ Review methodology
- ◆ Comments on county-wide population projections
- ◆ Comments on sub-county population projections

# Planning Group Action

- ◆ Approve Concept of Changes Today.
- ◆ Call Ed Motley with Changes by 12/9/02.
- ◆ Review Draft Memo to TWDB
  - Distributed by 12/16
  - Comments by 12/23
- ◆ Consultants Will Deliver Memo to TWDB by 1/2/03

# Status of Water Needs Projections

- ◆ TWDB expects to release water needs projections by mid-December
- ◆ Deadline for requests to revise water needs projections has been pushed back to June 2, 2003
- ◆ RCWPG has approved cover letters and survey questions
- ◆ Plan to mail surveys in early January

# Quarterly Newsletter



# Press Releases

# Newspaper Articles

# Public Comments

- ◆ Summaries of public comments have been provided to RCWPG for the July 22<sup>nd</sup> and October 14<sup>th</sup> meetings
- ◆ Plan to continue to supply summaries of public comments in future RCWPG meetings

# Region C Water Conservation

- ◆ This presentation will:
  - Review requirements from TWDB Regional Water Planning Guidelines (30 TAC 357)
  - Review Region C Scope of Work
  - Show the total budget for Region C water conservation tasks
  - Provide links to water conservation information

# Regional Water Planning Rules

- ◆ Development of the Region C Water Plan shall include evaluation of all water management strategies the regional water planning group determines to be potentially feasible, including water conservation.
- ◆ “The regional water planning group must consider water conservation practices for each [water] need identified...”

# Regional Water Planning Rules

- ◆ The Region C Water Plan shall include water conservation practices for each user group that is required to have a Water Conservation Plan.
- ◆ The RCWPG shall consider water conservation practices for other user groups. If the RCWPG does not adopt a water conservation strategy that exceeds minimum levels, it shall document the reason.

# Regional Water Planning Rules

- ◆ Proposed interbasin transfer strategies shall include a conservation water management strategy that will result in the “highest practicable level of water conservation and efficiency achievable.”
- ◆ The Region C Water Plan shall include a chapter that consolidates the water conservation recommendations in the plan.
- ◆ The Region C Water Plan shall include a model Water Conservation Plan.

# Region C Scope of Work

- ◆ Acquire and review Water Conservation Plans.
- ◆ Present general discussion of water conservation practices to the RCWPG.
- ◆ Consider water conservation as a strategy for every identified water need.
- ◆ Conduct a preliminary estimate of water savings through conservation strategies (to be refined in later tasks).



# Region C Scope of Work

- ◆ Survey water user groups in Region C to determine current level of water conservation practices, cost of implementation, potential new water conservation practices, and estimated water savings from implementation of conservation strategies.
- ◆ Prepare a memorandum describing the conservation survey results and the preliminary estimate of water savings through conservation.

# Region C Scope of Work

- ◆ Document implemented water conservation strategies in Region C.
- ◆ Review Water Conservation Plans from other major cities in Texas.
- ◆ Review the TWDB-sponsored GDS Associates, Inc. report on the statewide potential for water conservation. (This review is in progress.)

# Region C Scope of Work

- ◆ Research historical per capita water use in Region C. Estimate average quantities of water used for household purposes, for commercial and industrial needs, and for seasonal water needs.
- ◆ Perform a detailed analysis of the effectiveness of particular water conservation management strategies using available water use data for a five-year period in up to six neighborhood areas.

# Region C Scope of Work

- ◆ Develop additional technical information about potential water conservation strategies for use in selecting feasible conservation strategies.
  - Extent of implementation in Region C
  - Potential for additional implementation
  - Effectiveness
  - Potential conservation savings
  - Estimated costs
  - Estimated environmental impacts

# Region C Scope of Work

- ◆ Recommend conservation goals, acceptable measures, and a time forecast for implementation.
- ◆ Prepare a memorandum describing the detailed study of water conservation.
- ◆ Develop a model Water Conservation Plan for up to four water user categories.
- ◆ Based on developed information, recommend water conservation strategies for water user groups in Region C.

# Region C Water Conservation Budget

- ◆ Water conservation-related tasks account for \$300,000 of the total budget for the 2006 Region C Water Plan.

# Water Conservation Links

- ◆ Texas Water Development Board:  
<http://www.twdb.state.tx.us/assistance/conservation/consindex1.htm>
- ◆ GDS Associates, Inc. Study:  
<http://www.twdb.state.tx.us/assistance/conservation/gdsstudy.htm>