



Region C Water Planning Group Meeting

TRA Central

Wastewater Treatment Plant

October 6, 2003

Agenda

- Action Items for Consideration
 - Vote on proposed adjustments to non-municipal water needs projections
 - Discuss supplemental funding
 - Discuss and act on process to fill expiring RCWPG terms
- Discussion Items
 - TRWD water conservation and reuse presentation
 - Update on neighborhood study

Agenda (continued)

- Update on Anna and Athens amendments
- Update on Carrizo-Wilcox GAMs
- Topics for 4th quarter newsletter
- Newspaper articles
- Summary of speaker comments
- Update on overall status and next steps

Agenda (continued)

- Updates from the Chair
 - Water Conservation Task Force
 - Procedure for requesting copies of speaker handouts
 - Appointments of Region C reps to other regions
 - Expiring RCWPG terms

Action Items for Consideration

Proposed Adjustments to
Non-Municipal Water Needs

Manufacturing

- Background
 - TWDB contracted with Waterstone to develop projections
 - TWDB adjusted the Waterstone projections when they could not be justified and recommended “most likely”

Non-Municipal Water Needs

- Five separate memos submitted to RCWPG
- Will combine five memos into one memo per a request by a RCWPG member

Manufacturing

- Reasons for changing Manufacturing projections
 - New manufacturing operations that have opened
 - Manufacturing operations that have closed
 - Plans to open new manufacturing operation

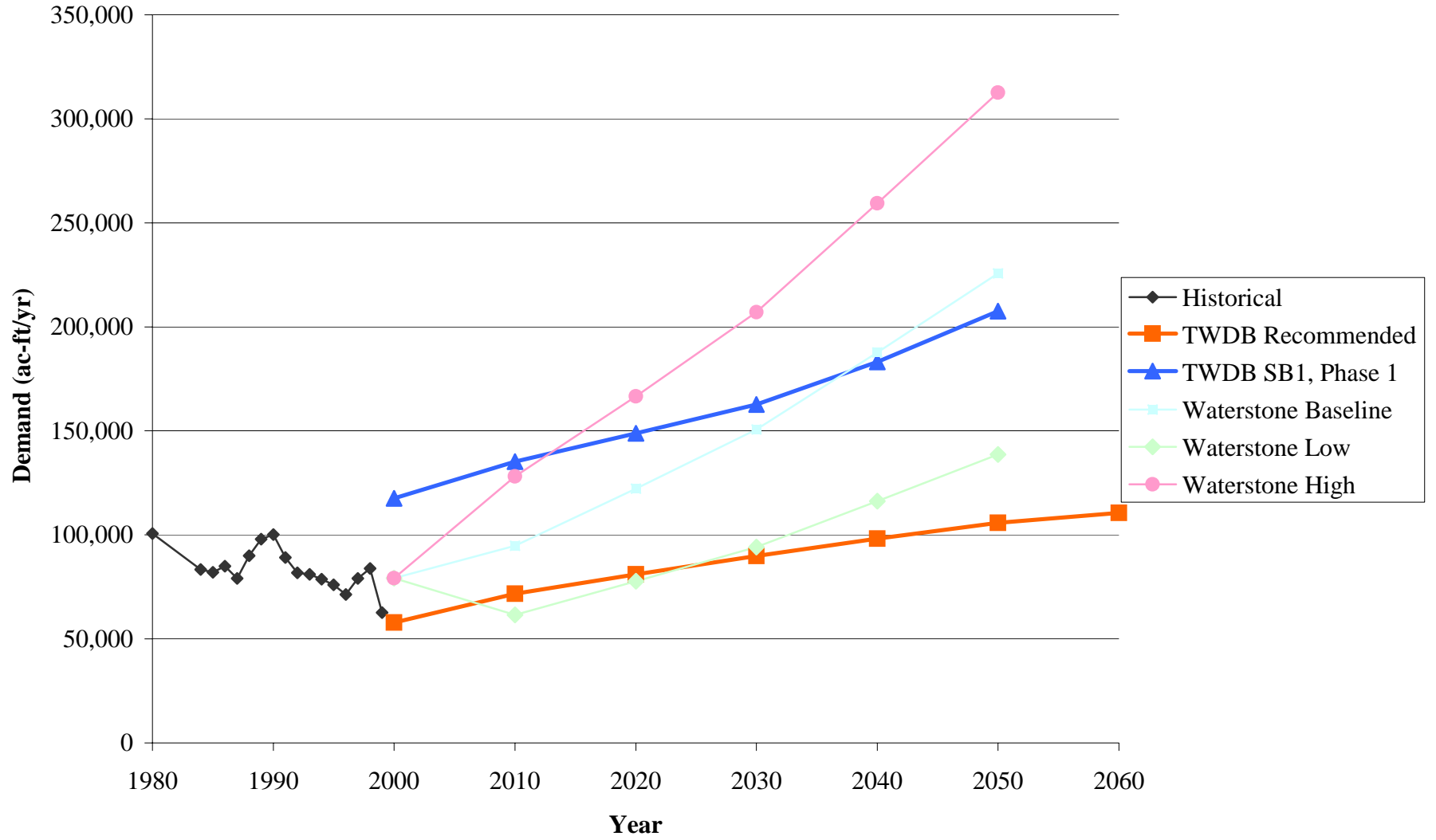
Manufacturing

- Recommendations
 - Grayson County
 - TWDB corrected error that was in original draft numbers
 - Agree with revised TWDB recommendation
 - Henderson County
 - Appear to be overestimated
 - Recommend the amount projected in SB1, Phase 1

Manufacturing

- Recommendations (continued)
 - Kaufman County
 - Increasing at an unrealistic rate
 - Recommend decreasing the rate at which the demands increase through 2060
 - Wise County
 - Appear low
 - Recommend increasing year 2000 and maintaining rate of increase

Historical and Projected Manufacturing Demands for Region C



Steam Electric Power

- Background
 - TWDB contracted with investor owned utility companies
 - Projections directly related to number and type of existing and planned facilities in region
 - Projections do not necessarily reflect projected regional demands
 - Assumes increased power generation might come from outside the region

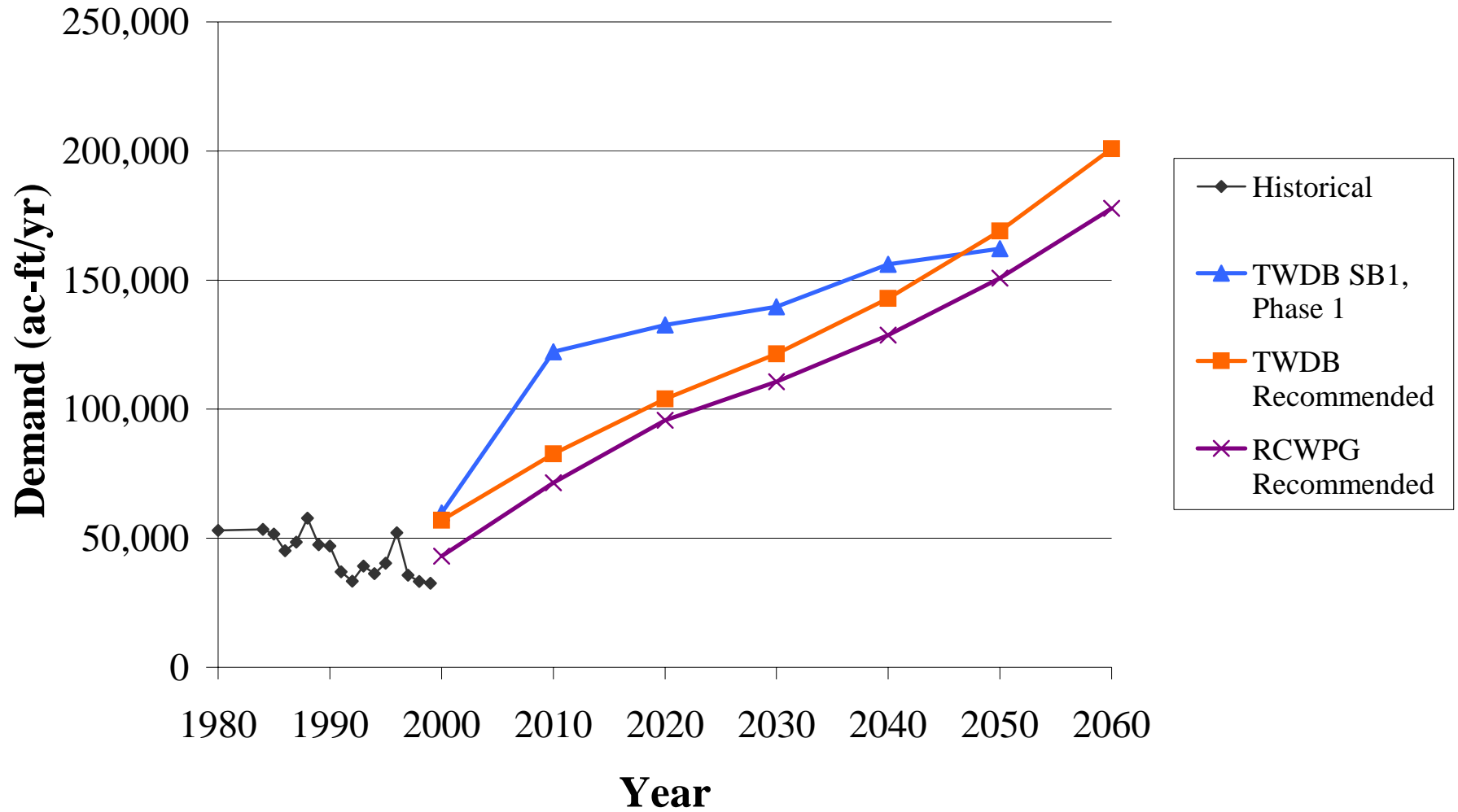
Steam Electric Power

- Reasons for changes
 - TWDB did not specify reasons they would accept for changes to projections
 - Consultants found some water was double-counted in the projections for utilities with off-channel storage and run of the river diversions

Steam Electric Power

- Recommendations
 - Recalculated water need without double counting run of the river use
 - Decreased all years
 - Dallas County (except 2020 has slight increase)
 - Fannin County
 - Freestone County
 - Henderson County
 - Increased all years
 - Tarrant County

Historical and Projected Steam Electric Power Demands for Region C



Mining

- Background
 - TWDB contracted with Waterstone to develop projections
 - TWDB adjusted the Waterstone projections when they could not be justified and recommended “most likely”

Mining

- Reasons for Changes
 - New mining operations that have opened
 - Mining operations that have closed
 - Plans for new mining operations

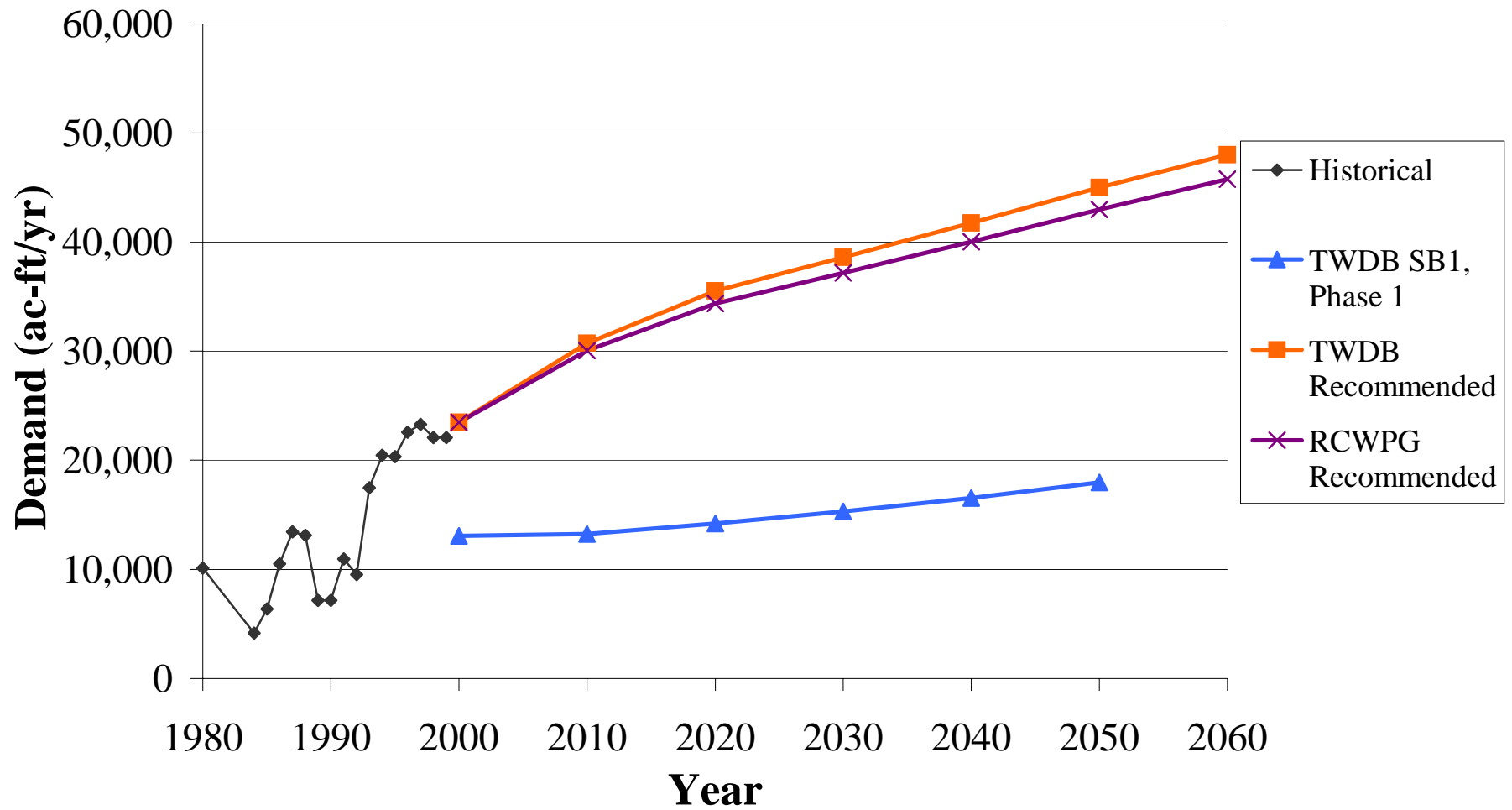
Mining

- Recommendations
 - Collin County
 - Appear to be underestimated
 - Recommend using higher historical use beginning in 2010
 - Dallas County
 - Appear to increase at an unreasonable rate
 - Recommend maintaining level projected demand

Mining

- Recommendations (continued)
 - Ellis County
 - Recommend level projected demand, not declining demand
 - Jack County
 - Recommend level projected demand, not increasing demand
 - Navarro County
 - Recommend level projected demand, not increasing demand

Historical and Projected Mining Demands for Region C



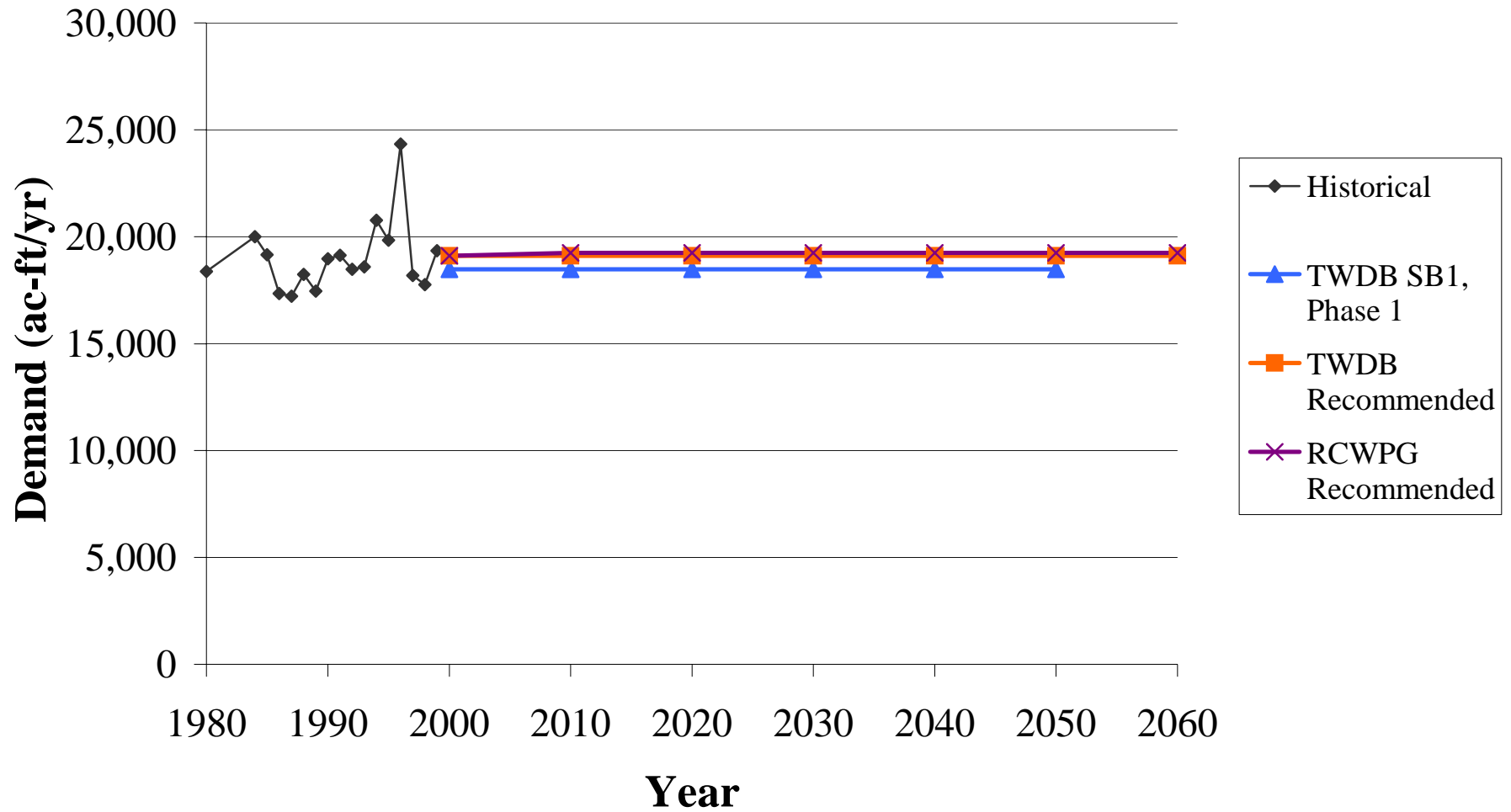
Livestock

- Background
 - TWDB developed projections
- Reasons for Changes
 - Plans for constructing confined livestock feeding operations
 - Evidence of change in water requirements

Livestock

- Recommendations
 - Cooke County
 - Appear to be low
 - Recommend increasing 2010 water need and maintain a level water need through 2060
 - Ellis County
 - Adjusted to 1,183 AF/Y due to TWDB correction (adjusted since the September memo)

Historical and Projected Livestock Demands for Region C



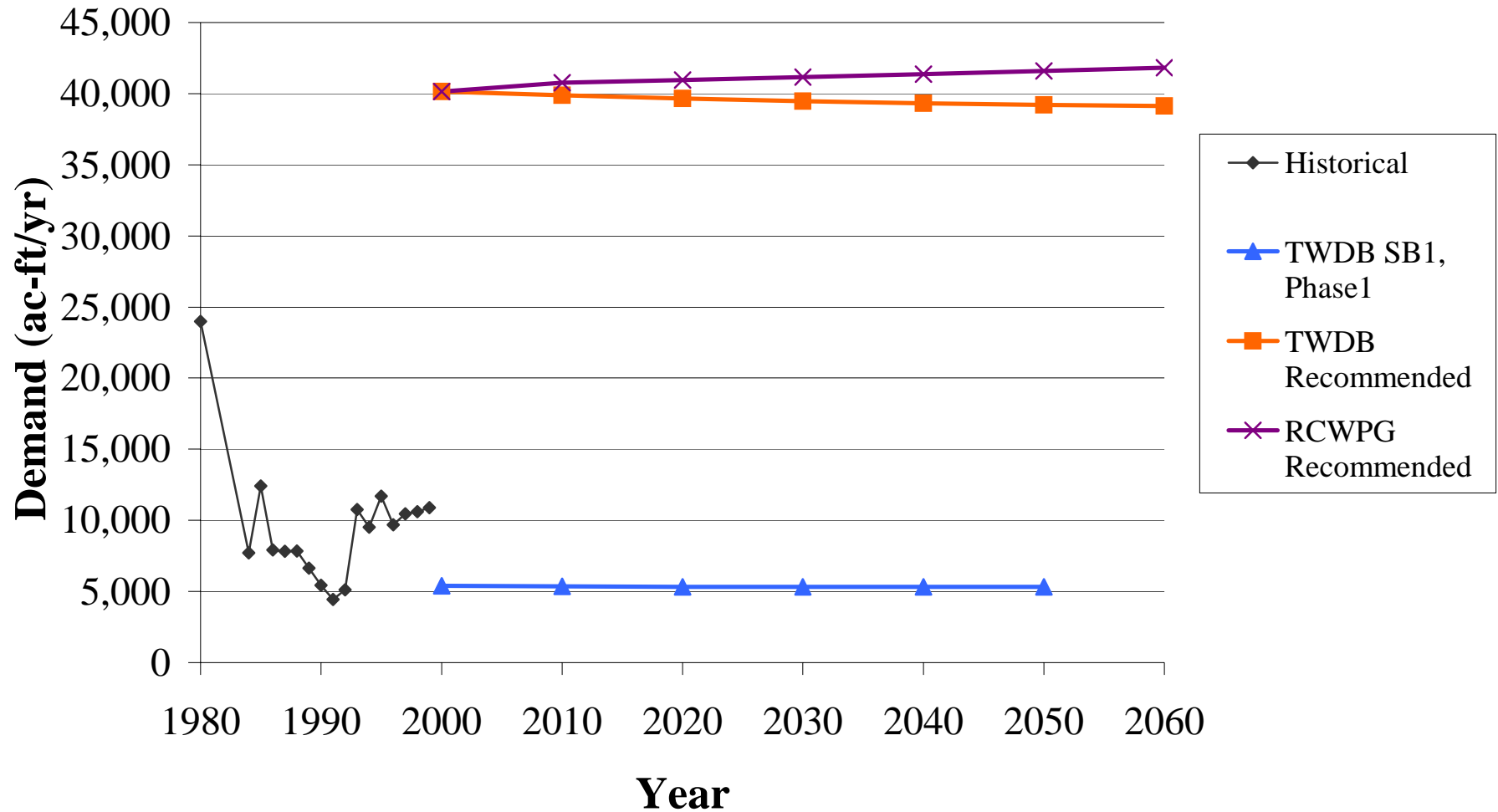
Irrigation

- Background
 - TWDB developed projections
- Reasons for Change
 - Evidence that another year more representative of demands
 - Evidence that projections from another source are more accurate
 - Evidence that projected rates of change from 2002 State Water Plan are no longer valid

Irrigation

- Recommendations
 - Cooke County
 - TWDB projection of zero seems unlikely
 - Recommend increasing demand to 1996-1999 use and maintaining level projection
 - Fannin and Kaufman Counties
 - TWDB projections reduced over time
 - Recommend maintaining constant water need projection

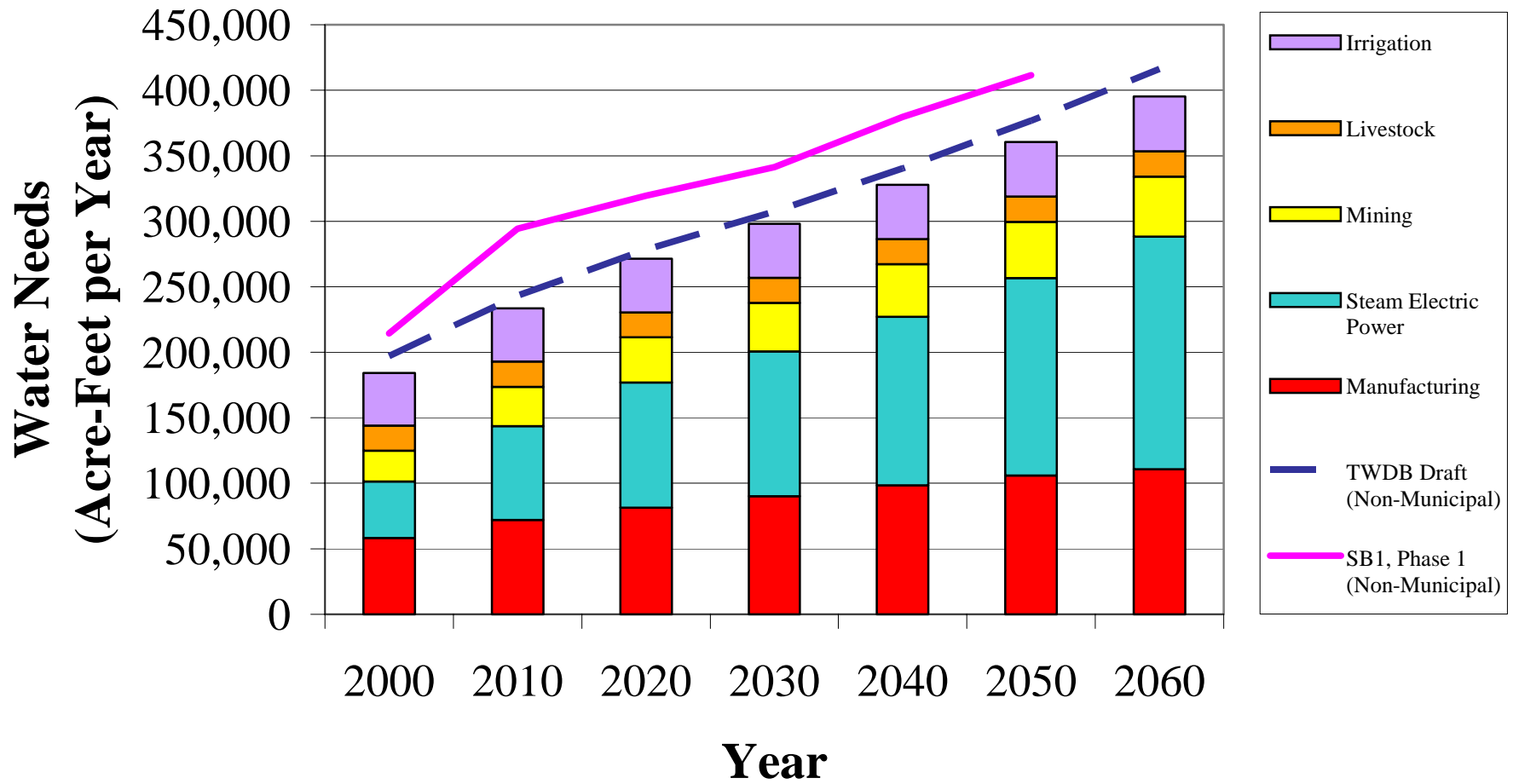
Historical and Projected Irrigation Demands for Region C



Summary of Non-Municipal Water Needs Projections

- Overall adjustments to non-municipal water needs projections are slightly lower than TWDB's draft numbers
- Overall adjustments to non-municipal water needs projections are more noticeably lower than SB1, Phase 1

Comparison of Region C Non-Municipal Water Needs - SB1, Phase 2



Non-Municipal Water Needs Projections

- Consultants will combine 5 memos into one memo
- Need RCWPG approval to submit request for adjustments to non-municipal water needs projections to the TWDB

Action Items for Consideration

Supplemental Funding

Supplemental Funding

- TWDB seeking input on tasks the RWPGs would like to study in addition to their current scopes of work
- TWDB also seeking region's preference on how to allocate any money that may be established for supplemental projects
- TWDB does NOT have any funding available as of right now

Supplemental Funding

- Consultants suggest that the RCWPG submit a letter briefly describing request for funding additional studies and the method by which the region recommends funding be allocated

Supplemental Funding

- Proposed request
 - Additional reuse study
 - Additional water conservation study
 - Coordination Task Force consisting of Regions C and D
 - Coordination Task Force consisting of Regions C and I
- Approximate cost \$200,000

Supplemental Funding

- Need RCWPG approval to submit request to TWDB – consultants will write letter for Jim to review and sign

Action Items for Consideration

Process to Fill Expiring RCWPG
Terms

Jim Parks

Discussion Items

Tarrant Regional Water District
Presentation

Woody Frossard

Discussion Items

Update on Neighborhood Study

Neighborhood Water Conservation Study

- Currently working through issues related to:
 - Number of neighborhoods
 - Number of homes per neighborhood
 - Number of years of available data

Discussion Items

Update on Anna and Athens
Amendments

RCWPG Adopted Amendments

- August 2003 – TWDB approved the Anna amendment to the 2001 *Region C Water Plan*
- September 2003 – TWDB approved the Athens amendment to the 2001 *Region C Water Plan*
- November 2003 – TWDB plans to hold public hearings on both amendments, as well as an amendment from Region M

RCWPG Adopted Amendments

- December 2003 – TWDB plans to vote on amending the 2002 State Water Plan to include the amendments

RCWPG Adopted Amendments

- Correction to Athens' amendment
 - Fish Hatchery is located in Region I (not Region C)
 - Send a letter from Jim Parks to TWDB making note of the corrected location of the fish hatchery
 - This is a technical adjustment to the TWDB-required tables. This correction does not impact the status of the amendment.

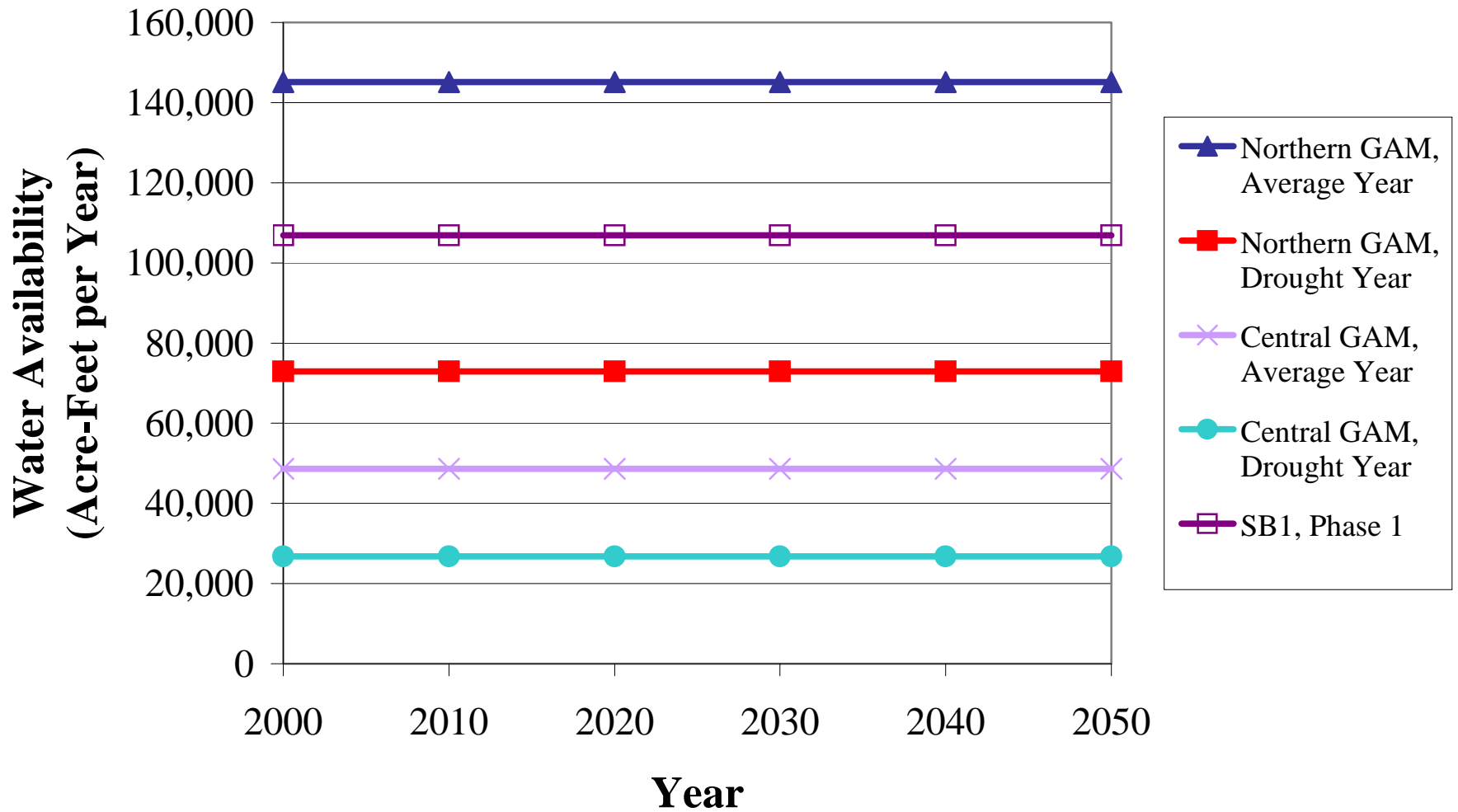
Discussion Items

Update of Carrizo-Wilcox GAMs

Carrizo-Wilcox GAMs

- Results of Northern and Central Carrizo-Wilcox GAMs significantly different
- Difference is due to methodologies applied to develop the recharge values
- The drought condition of the Northern GAM and the average condition of the Central GAM are similar

Water Availability in the Carrizo-Wilcox Aquifer



Carrizo-Wilcox GAMs

- Recommend asking TWDB to rerun both GAMs with availability of the Central GAM average year submitted as the actual demand. We will review the results to determine the impacts on spring discharges and groundwater levels.

Discussion Items

Public Participation Update

Public Participation Update

PUBLIC PARTICIPATION TOPICS:

- Calendar listing for RCWPG meeting
 - Distributed to media; info posted on Region C Web site
- Q3 Newsletter Update – mailed out
- Q4 Newsletter Topics
- Highlights of recent press coverage and current events

Q4 Newsletter Possible Topics

- Article on TWDB's new water conservation task force and Jim Parks' and Jim Oliver's role
- Outline of steps in the RCWPG's 2004 planning process
- Highlights of Dallas Water Utilities Water Conservation Program
- Water conservation tips
- Next meeting information
- Updates regarding water issues in the news

Recent Press Coverage

- See press clips packet
- Highlights:
 - *Dallas Business Journal* article, “Water World,” about water conservation and Region C; Jim Parks and Bob Johnson interviewed
 - Toledo Bend continues to be in the news
 - Mesa Water, headed by T. Boone Pickens, bought rights to water in Texas Panhandle (*Dallas Business Journal*, Sept. 15)

Discussion Items

Summary of Speaker Comments

Speaker Comments

- Provided summary of speaker comments during the public comment portion of the August RCPWG meeting (emailed and posted on the Web site prior to meeting)

Discussion Items

Overall Status and Next Steps

Overall Status and Next Steps

- Consults will finalize non-municipal demand memo and submit to TWDB with cover letter from Jim Parks.
- Consultants will draft letter for Jim Parks to sign describing supplemental work Region C would like to pursue should the funding become available.
- Continue work on Neighborhood Water Conservation Study

Overall Status and Next Steps

- Consultants will draft letter for Jim Parks to sign explaining correct location of the fish hatchery with regards to the TWDB-required tables
- Request TWDB to rerun Carrizo-Wilcox GAMs to see impact of proposed demands.
- Develop 4th quarter newsletter
- Complete initial analysis of currently available water supplies