

3.0 LAKE GRANBURY WATERSHED PROTECTION PLAN STEERING COMMITTEE (LGWPPSC) AND PROJECT TEAM

3.1 GOAL

The LGWPPSC is an organization of landowners, agricultural producers, city, county and municipal utility district officials, local business and industry representatives and concerned citizens working to improve the welfare of Lake Granbury. The goal of the LGWPPSC is to develop and implement a Watershed Protection Plan to improve and protect the water quality of Lake Granbury. The strategy presented in this report is a product of LGWPPSC members input and direction.

The LGWPPSC considered and incorporated the following into the development and implementation of the WPP:

- Impact on water quality;
- Economic feasibility, affordability, and growth;
- Unique environmental resources of the watershed; and
- Existing regional activities and cooperation.

3.2 PROJECT TEAM

The Lake Granbury WPP is a collaborative effort of many state and federal agencies and the LGWPPSC. Technical support and logistical leadership have each been provided by the Project Team. Funding for the project has been provided by the United States Environmental Protection Agency (USEPA), the Texas Commission on Environmental Quality (TCEQ) and the Brazos River Authority (BRA).

The Project Team consists of representatives from the Texas Commission on Environmental Quality, Brazos River Authority, Texas AgriLife Research, and Espey Consultants, Inc. The Project Team's role is to facilitate the LGWPPSC and help the LGWPPSC with technical and logistical knowledge and water quality expertise.

3.3 LGWPPSC

The LGWPPSC is the decision making body for the development of the WPP and is governed by the Lake Granbury Watershed Protection Plan Stakeholders Group Bylaws as adopted on March 24, 2006 and amended on February 13, 2007 (Appendix A). The LGWPPSC guides the Project Team by formulating recommendations for the drafting of the WPP and will guide the implementation of the WPP.

While formation of the LGWPPSC was facilitated by the Project Team, the LGWPPSC is an independent group of twenty-three watershed stakeholders with an interest in restoring and protecting the designated uses and overall health of Lake Granbury. The membership of the LGWPPSC reflects the diversity of interests within the Lake Granbury watershed. Categories of stakeholders sought for the group followed the guidance provided in the United State's Environmental Protection Agencies *Handbook for Developing Watershed Plans to Restore and Protect our Waters* and consist of representatives from:

- State and Federal Agencies,
- County government,
- Municipal government,,
- Local business and industry,
- Local landowners,
- Local soil and water conservation district,
- Citizen groups, and
- Local environmental and conservation groups.

Initially, the Project Team asked eighteen watershed stakeholders to volunteer their time and efforts to the LGWPPSC. These eighteen then chose to add five more positions to the group based on their local knowledge of concerned parties and then instituted a consensus-based system for limiting membership. Size of the LGWPPSC is limited in the Bylaws to a total of twenty-five. To effectively function as a decision-making body, the stakeholders elected to keep the group small to prevent the committee from becoming so large that it becomes impossible or impractical to function. The LGWPPSC will not elect a chair, but will remain a facilitated group. Facilitation of meetings will be conducted by TCEQ and/or BRA.

Stakeholder involvement is critical to the selection, design and implementation of management measures to successfully improve water quality. The members of the LGWPPSC offered the various perspectives of their constituents and created a plan that is not only feasible but palatable to those most impacted. LGWPPSC members are expected to participate fully in Committee deliberations and work constructively and collaboratively with each other to reach consensus. Committee members will be expected to assist with the following: identify desired water quality conditions and measurable goals; prioritization of programs and practices to achieve goals, help develop the WPP document; lead the effort to implement this plan at the local level; and communicate the plan and its implications to other affected parties in the watershed.

3.4 WORKGROUPS

As needed, members of the steering committee were asked to serve on selected work groups suited to their interests, experience and constituencies. Two work groups were formed by the steering committee during the development of the WPP, the Best Management Practice Selection Work Group and the Financial Work Group. The purpose of these groups is to focus on the establishment and funding of best management practices and affiliate programs designed to reduce bacteria loading into Lake Granbury. These teams advised the Project Team on the viability of proposed locations and strategies as well as review and provide input into the formulation of the WPP.

The LGWPPSC has expressed a desire to establish an Executive Committee to interact with the Watershed Coordinator frequently between meetings of the full committee. The Executive Committee will assist the Watershed Coordinator schedule meetings at appropriate times and will keep decision-makers apprised of relevant activities. The LGWPPSC has selected the following governmental entities and stakeholders to serve on the Executive Committee: Hood County, City of Granbury, Acton Municipal Utility District, the Granbury Chamber of Commerce and the Vice Chairman of the Brazos Valley Soil and Water Conservation District.

3.5 PARTICIPATION BY THE GENERAL PUBLIC

The LGWPPSC provides the method for public participation in the planning process and will be instrumental in obtaining local support to move into the implementation phase of the project. While the LGWPPSC was the formal decision making body for the development of the WPP, it was recognized that other watershed stakeholders could also provide valuable input. To that end all LGWPPSC meetings were open to the public. The LGWPPSC benefitted from having several active watershed residents that also participated in the process even if they were not a formal member of the LGWPPSC.

3.6 LGWPPSC RESOLUTIONS

The stakeholder group participated heavily in decision-making, and provided valuable local insight in both interpretation of findings and identification of appropriate issues and strategies this WPP should address. As part of that process, several key decisions were made leading to development of this WPP. Many decisions were made by resolutions voted on by a quorum of the stakeholders. Each of the resolutions is listed in Table 6 below.

Table 6. LGWPPSC Resolutions

Resolution Subject	“BE IT RESOLVED by the Lake Granbury Watershed Protection Plan Stakeholders Group that...”	Adopted/Not Adopted Date	Votes “For”	Votes “Against”
Governing Bylaws	...the group adopts the Lake Granbury Watershed protection Plan Stakeholder Group Bylaws as the guiding document for the stakeholder process.”	March 24, 2006	15	0
Proposed New Members - Agriculture	...Local Livestock Producer, Joe Langdon be added as a representative for the Agricultural Group Category.”	March 24, 2006	15	0
Proposed New Members - Business/Industry	...Dick Cary be added as a representative for the Business/Industry Group Category to represent the Oil and Gas Industry.”	March 24, 2006	15	0
Proposed New Members - General Public	...two additional positions be added as representatives for the General Public Group Category. BE IT FURTHER RESOLVED that these positions will be selected by closed ballot”	March 24, 2006	15	0
Proposed New Members - Affected Area	...one additional position be added as a representative for the Affected Area Group Category	March 24, 2006	3	12
Proposed New Members - Business/Industry	...Ronnie Mowrey be added as a representative for the Business/Industry Group Category to represent the Septic Tank Industry.”	March 24, 2006	15	0
Water Quality Monitoring Plan	...the water quality monitoring plan as presented and discussed on May 10, 2006 and represented on the “Lake Granbury Water Quality Monitoring	May 10, 2006	19	0

Resolution Subject	“BE IT RESOLVED by the Lake Granbury Watershed Protection Plan Stakeholders Group that...	Adopted/Not Adopted Date	Votes “For”	Votes “Against”
	Sites” Map be implemented by the Brazos River Authority on September 1, 2006.”			
Proposed New Members - Remaining Position	...the unfilled position remain open.”	May 10, 2006	19	0
Bacterial Source Tracking and Representative to State BST Task Force	...the Bacterial Source Tracking Scope of Work as presented and discussed on February 13, 2007 be implemented by the Brazos River Authority upon contract execution between the Brazos River Authority and El Paso Agricultural Research and Extension Center and Texas Commission on Environmental Quality approval of the Quality Assurance Project Plan. BE IT FURTHER RESOLVED Watershed Coordinator will serve as Stakeholders Group Representative to the State led Task Force on using Modeling and Bacterial Source Tracking for TMDLs.”	September 28, 2006	22	0
Stakeholder Attendance Issue	...the Sierra Club be removed as the representative for the Environmental and Conservation Group Category. BE IT FURTHER RESOLVED that the Hood County Chapter of the Brazos River Conservation Coalition be added as the representative for the Environmental and Conservation Group Category.””	February 13, 2007	18	0
Bylaw Amendment	...the amendment Article IV of the Lake Granbury Watershed Protection Plan Stakeholders Group Bylaws as presented and discussed on September 28, 2006 be adopted.”	February 13, 2007	18	0
Bacterial Source Tracking	...the Bacterial Source Tracking Scope of Work as presented and discussed on February 13, 2007 be implemented by the Brazos River Authority upon contract execution between the Brazos River Authority and El Paso Agricultural Research and Extension Center and Texas Commission on Environmental Quality approval of the Quality Assurance Project Plan.”	February 13, 2007	19	0
Land Use Analysis	...the land use analysis as presented on discussed on May 10, 2006, September 28, 2006 and February	February 13, 2007	20	0

Resolution Subject	“BE IT RESOLVED by the Lake Granbury Watershed Protection Plan Stakeholders Group that...	Adopted/Not Adopted Date	Votes “For”	Votes “Against”
	13, 2007 are acceptable to the Stakeholders Group and no additional analyses will be performed until 2007 NCTCOG aerial photography is available.”			
Water Fowl Survey	...the Water Fowl Survey as presented and discussed on February 13, 2007 be implemented by the Brazos River Authority in February 2007.”	February 13, 2007	20	0
Stakeholder Goals	...the preliminary goals as discussed on May 22, 2007 and represented on slide number 8 are approved as written.”	May 22, 2007	16	0
Modeling Approach	...the modeling approach as presented and discussed on May 22, 2007 is acceptable to the Stakeholders Group.”	May 22, 2007	17	0
Water Quality Modeling - Literature Value to be Used for Urban Runoff	...the literature value to be used for Urban Runoff in the Lake Granbury WPP Water Quality Model be 16,048 MPN/100 mL based on a mean of City of Austin, Corpus Christi and Galveston Bay urban runoff data.”	February 20, 2008	19	0
Water Quality Modeling - Literature Value to be Used for Raw Sewage	...the literature value to be used for Raw Sewage in the Lake Granbury WPP Water Quality Model be 550,000 MPN/100mL based on Raw Sewage from Georgia (Kuntz, 2003).”	February 20, 2008	19	0
Water Quality Modeling - Literature Value to be Used for Wastewater Generation from a Single Residence	...the literature value to be used for wastewater generation from a single residence in the Lake Granbury WPP Water Quality Model be 200 gallons/day based on TCEQ recommended values.”	February 20, 2008	19	0
Water Quality Modeling - Fecal Coliform to <i>E. coli</i> Ratio	...the ratio to be used to relate fecal coliform to <i>E. coli</i> in the Lake Granbury WPP Water Quality Model be 1:0.7 based on BRA Generated Data from Lake Granbury.”	February 20, 2008	19	0
Water Quality Modeling - Literature Value to be Used for Bacteria Decay Rates	...the literature value to be used for bacteria decay rates in the Lake Granbury WPP Water Quality Model be 0.2/day based on 2001 EPA study.”	February 20, 2008	19	0
Water Quality Modeling - Random Sampling of Wastewater Treatment	...the random sampling performed on wastewater treatment facilities is acceptable to the Stakeholders Group and no additional monitoring will be performed.”	February 20, 2008	16	0

Resolution Subject	“BE IT RESOLVED by the Lake Granbury Watershed Protection Plan Stakeholders Group that...	Adopted/Not Adopted Date	Votes “For”	Votes “Against”
Facilities				
Stakeholder Membership Issues - Economic Development Corporation	...the Granbury/Hood County Economic Development Corporation be removed as a representative for the Business/Industry Group category.”	August 7, 2008	21	0
Land Use Study - Final	...the land use analysis as presented and discussed on August 7, 2008 are acceptable to the Stakeholder’s Group. BE IT FURTHER RESOLVED that no additional land use analyses will be performed , and BE IT FURTHER RESOLVED that the draft Source Identification Chapter will be revised to reflect changes in land use from 2003 values to 2007 values.”	August 7, 2008	21	0
Source Prioritization	...the area source priorities selected and discussed on January 22, 2009 be used for BMP investigation and analysis.”	January 22, 2009	20	0
Source Prioritization	...the average age per on-site sewage facility (OSSF) used for developing Life Cycle Costs be 20 years.”	August 18, 2009	17	0
Number of Lots	...the number of lots per subdivision used for developing the Annual Cost Index be calculated at: ____ lots for Oak Trail Shores, 629 lots for Sky Harbor, 236 lots for Indian Harbor, and ____ lots for Arrowhead Shores.”	September 3, 2009	17	0
Matrix Ranking or Sorting	...the method for evaluating management measures be sorting measures by order of importance of selection criteria, with the order of sorting being bacteria, cost index then time to implement.”	September 3, 2009	16	0
Eliminated Management Measures	...Bacteria Management Measures the group no longer want to pursue as options for inclusion in the Lake Granbury Watershed Protection Plan are, by area: Rolling Hills Shores - Septic system replacement along the cove; Oak trail Shores - Cove dynamics-fill, Cove dynamics-partial fill; Nassau Bay II - Local centralized wastewater treatment (independent), Local centralized wastewater treatment (aggregate); Port Ridglea East - Local centralized wastewater treatment (independent), Local centralized wastewater treatment	September 3, 2009	16	0

Resolution Subject	“BE IT RESOLVED by the Lake Granbury Watershed Protection Plan Stakeholders Group that...	Adopted/Not Adopted Date	Votes “For”	Votes “Against”
	(aggregate); Indian Harbor - Local centralized wastewater treatment (independent).”			
Stakeholder Goals	...the water quality goal for <i>E. coli</i> concentrations in the canals of Lake Granbury be to reduce and/or maintain <i>E. coli</i> geometric mean concentrations in the canals at or below 53 MPN/mL. BE IT FURTHER RESOLVED that the goal of reducing and/or maintaining bacteria percent exceedence of 394 MPN/mL in the canals below 5% be eliminated from the goals of the Lake Granbury WPP.”	November 17, 2009	14	0
Final Draft WPP	...the Final Draft of the Lake Granbury Watershed Protection Plan as presented and discussed on July 7, 2010 is acceptable to the Stakeholders Group, BE IT FURTHER RESOLVED that Final Report, in long format, will be submitted to the Texas Commission on Environmental Quality and United States Environmental Protection Agency by July 31, 2010.	July 7, 2010	17	1