

Executive Summary

The Galveston Bay Watershed: Urban Protection Plan grant addressed non-point source pollution abatement in the Lower Galveston Bay Watershed across a range of activities, contributing substantially to the awareness of runoff pollution and enabling local citizens to develop plans and capabilities to improve runoff water quality. This grant assisted Galveston County residents in the establishment of the Dickinson Bayou Watershed Partnership, promoted watershed awareness among underserved groups, and expanded the reach of the successful WaterSmart landscaping program into the professional community.

Dickinson Bayou Watershed Partnership

A new and dynamic watershed group was formed in the Dickinson Bayou watershed. This grant provided for a watershed coordinator to help the group form and develop a plan. This group moved forward quickly in the development of a community-based watershed protection plan (WPP), with a first draft already in place. This draft includes the EPA's nine key elements for watershed plans. A total of six work groups, consisting of both citizen and agency groups, dedicated many hours of work to the development of this draft. The work groups include Water Quality, Flooding and Stormwater, Recreation, Education and Outreach, Land Use, and Habitat. The production of the draft WPP is an unprecedented effort for any watershed in Galveston County, and the first WPP in the lower Galveston Bay watershed to include EPA's nine elements.

The citizens of the watershed have had many opportunities to express themselves on what they perceive to be the most critical issues facing the watershed. Issues of growth and habitat protection topped that list. In response to these concerns, a study of land use ordinances in the watershed was undertaken.

The Dickinson Bayou Watershed Partnership (DBWP) identified a series of best management practices to ameliorate water quality impairments in the watershed. A Clean Water Act Section 319 grant was obtained from the TCEQ to implement these BMPs.

Significant effort has gone into publicizing this watershed group. A listserv and website were set up to encourage communication. At least 30 presentations were made to watershed cities and organizations. Presentations have been made to all of the largest cities and towns within the watershed.

Hispanic Outreach

La Cuenca Cuenta, a unique event financed by this contract, was a Hispanic watershed festival that took place in Houston's East End, likely the only or one of very few environmental events targeted at general Hispanic audiences in Houston. Over 500 citizens participated in this event, with at least 10 organizations participating.

Funding was also received for wetland restoration efforts associated with Brays Bayou and a project in the Dickinson Bayou watershed. This funding helped finance the work of Texas Cooperative Extension's Wetland Restoration Team, pairing Master Naturalists with inner city kids in the work of restoration.

WaterSmart

Finally, this contract financed the new WaterSmart Landscaping for Professionals seminar. One hundred and thirty professional landscapers from a variety of affiliations were trained in how landscapes can help keep Galveston Bayou clean. This was the first WaterSmart workshop offered to professionals in this area, and by all accounts, well received. Landscapers learned the basic principles of WaterSmart landscaping and how this kind of landscaping works in the local legal context. Engaging the professional landscaping community allowed us to extend our reach well beyond our traditional audiences.

TASK SUMMARY

- 5.1 Serve as Project Coordinator**
- 5.2 Administer all financial and reporting matters for all subcontractors**
- 5.3 Create and begin to implement a voluntary consensus based Model Watershed Protection Plan (Watershed Plan) for the Dickinson Bayou Watershed.**
 - 5.3.1. Coordinate the Dickinson Bayou Watershed Partnership, Steering Committee and Workgroups.**

The Dickinson Bayou Watershed Partnership (DBWP) was initiated in early 2005 with Susan Benner acting as Watershed Coordinator, followed by Bud Solmonsson in late 2006 after Susan left to start a family.

The Watershed Partnership formed about the same time as the TCEQ was beginning a TMDL process for the watershed. The DBWP is independent of the TCEQ process, but membership essentially overlaps that of the “steering committee” formed by the TCEQ for the TMDL. Partnership meetings are coordinated with the TCEQ so that the meeting can serve both purposes.

The general partnership has been meeting quarterly to semi-annually. The DBWP developed a structure similar to that of the Armand Bayou WP, with a steering committee, a general partnership body, and standing work group committees. The name of the steering committee was changed to the Dickinson Bayou Watershed Partnership Advisory Committee, to distinguish itself from the Dickinson Bayou Watershed Steering Committee, a pre-existing group comprising the Galveston County drainage districts that overlap with the Dickinson Bayou watershed.

Six workgroups were formed and all meet as close to monthly as possible: Water Quality, Land Use, Education and Outreach, Recreation, Flooding and Stormwater. The Recreation Workgroup is the most recent to form (starting in March 2007). The Flooding and Stormwater workgroup is the Dickinson Bayou Watershed Steering Committee.

The Partnership body as a whole and the workgroups comprise a wide group of citizens and agencies active in the watershed. A listserv (Dickinson-Bayou-Watershed@listserv.tamu.edu, with full documentation of all correspondence at <https://listserv.tamu.edu/archives/dickinson-bayou-watershed.html>) was established and currently has 178 subscribers. Interest in the watershed group is high. Partnership meetings generally have at least 65 people in attendance. The smaller workgroups have been actively engaged in the development of the first phase of the watershed action plan.

- 5.3.2. Identify, using the results of the TCEQ's Total Maximum Daily Load (TMDL) project on Dickinson Bayou as the basis and with input from the Watershed Partnership, potential pollutant sources that need to be controlled within the designated water body.**

The results from the TMDL process are not yet available. The general partnership was polled about their perceptions of environmental conditions in the Bayou and the watershed. Survey results are attached in Appendix 8.

- 5.3.3. Estimate in conjunction with the results from TCEQ's Total Maximum Daily Load project on Dickinson Bayou and using Spreadsheet Tool for Estimating Pollutant Load (<http://it.tetrattech-ffx.com/stepl/>) or a similar tool, the load reduction in the pollutants identified in 5.3.2. that are needed to achieve the expected water quality improvement.**

The results of the TCEQ's Total Maximum Daily Load project are not yet complete. It is due for completion and presentation at the next Dickinson Bayou Watershed Partnership meeting on December 5, 2007. We will revise our pollutant load reduction forecasts after we receive the TCEQ results.

- 5.3.4. Working with the Watershed Partnership, determine and describe the Non-Point Source measures needed and where they need to be implemented to achieve the desired load reduction.**

See Appendix 1 - The Nine Key Elements of the Dickinson Bayou Watershed Plan. The Management Measures described therein were approved by both the Advisory Committee as well as the general partnership.

- 5.3.4.1. Generate a prioritized list of Best Management Practices (BMPs) and other management measures that will likely provide the greatest load reduction and water quality improvement. This list can be generated using available resources, including print journals, grey literature, website and professional judgment (i.e. TCEQ, EPA, and other appropriate professionals).**

The Nine Key Element list in Appendix 1 is a draft priority list.

- 5.3.4.2. Using the list from 5.3.4.1., develop a prioritized list of consensus-based BMPs, by the involvement of the Watershed Partnership, Steering Committee and workgroups.**

The following is a prioritized list of consensus-based BMPs developed by the above-mentioned committees and workgroups:

Water Quality

- Stream / Bayou Monitoring
- Reduction of Illicit Discharges Habitat
- Prioritize Open Space for Preservation
- Critical Area Protection
 - Develop funding sources for placing critical habitats in the public domain
- Shoreline Stabilization
- Work with private landowners of undeveloped land to develop land management plans that restore and enhance native prairies and riparian ecologies.

Flooding and Stormwater

- Better Site Design for Stormwater Management
- Debris Removal Management Plan

Land Use

- Code, Ordinance, and Enforcement Improvements
- Multiple-Use Open Space
- Low Impact Development

Public Education and Outreach

- Watershed Education and Stewardship Outreach
- Campaign to reduce the use of toxic products at homes and businesses
- Increase the number of trash removal events on the bayou

Recreation

- Identify potential open space and pocket park areas
- Continuance of water quality monitoring on a regular basis
- Cleanup of bayou of abandoned boats, barges, and other debris which may affect water flow and water quality
- Establishment / protection of natural habitat for wildlife and water quality

5.3.5. With the Watershed Partnership, estimate the resource assistance (financial and technical) and identify willing participants needed to implement the watershed plan. Develop a list of potential funding sources that are matched to each measure identified in 5.3.4.

The Texas Coastal Watershed Program applied for and received a CWA Section 319 grant to begin implementing the management measures

outlined above. Additional sources of funding have not yet been identified.

5.3.6. Public Education and Involvement

5.3.6.1. Host as prescribed in 5.3.1, a minimum of two (2) public meetings per year, the Watershed Partnership, to describe the nature of the project, anticipated outcomes, project developments and final deliverables. The public meetings will also provide a vehicle to share basic NPS pollution information and describe the public's role in creating and preventing NPS pollution. Documentation on the number of people involved including the organizations they represent must be included in progress reports and the draft / final report.

See Appendices 4 and 5 for agendas, meeting summaries, and sign-in sheets.

Partnership and Steering Committee meetings were held on the following dates:

Dickinson Bayou Watershed Partnership Meetings:

- December 14, 2005 29 People
- April 19, 2006 51 People
- April 19, 2007 66 People

Dickinson Bayou Watershed Steering Committee Meetings:

- February 10, 2006 22 People
- July 26, 2006 22 People
- March 27, 2007 19 People
- August 21, 2007 19 People

5.3.6.2. Organize and garner input from local and regional stakeholders (include invitations to local government officials and industry representatives) within the designated watershed to encourage their assistance with the development of a watershed protection plan. Host workgroup meetings as prescribed in 5.3.1 to encourage involvement, consensus building and buy-in. Documentation on the number of people involved including the organizations they represent must be included in progress reports and the draft / final report.

See Appendix 6 for agendas, summaries, and sing-in sheets.

Dickinson Bayou Watershed Education Workgroup Meetings:

- April 7, 2006 5 People

- June 13, 2006 5 People
- November 10, 2006 6 People
- December 11, 2006 5 People
- January 10, 2007 5 People
- February 22, 2007 5 People
- March 19, 2007 3 People
- April 30, 2007 (Field Trip) 4 People
- May 14, 2007 4 People
- September 10, 2007 5 People

Dickinson Bayou Watershed Land Use Workgroup Meetings:

- April 3, 2006 8 People
- June 12, 2006 7 People
- November 6, 2006 5 People
- December 12, 2006 7 People
- February 27, 2007 4 People
- May 23, 2007 6 People
- September 12, 2007 7 People
- October 17, 2007 6 People
- October 24, 2007 9 People

Dickinson Bayou Watershed Water Quality Workgroup Meetings:

- April 5, 2006 6 People
- June 20, 2006 6 People
- November 1, 2006 6 People
- December 7, 2006 6 People
- December 20, 2006 8 People
- January 18, 2007 6 People
- February 15, 2007 5 People
- March 1, 2007 6 People
- March 26, 2007 7 People
- May 23, 2007 9 People
- October 5, 2007 7 People

Dickinson Bayou Watershed Flooding and Stormwater Workgroup Meetings:

- April 4, 2006 7 People
- June 23, 2006 3 People
- November 14, 2006 5 People
- March 22, 2007 3 People
- April 24, 2007 16 People
- May 29, 2007 15 People
- July 17, 2007 12 People
- August 21, 2007 13 People

(* Note that the April, May, July and August 2007 meetings were conducted by the Dickinson Bayou Watershed Steering Committee with the Dickinson Bayou Watershed Coordinator at each meeting.)

Dickinson Bayou Watershed Recreation Workgroup Meetings:

- March 21, 2007 9 People
- April 16, 2007 16 People
- May 21, 2007 12 People
- June 6, 2007 11 People
- June 18, 2007 17 People
- July 17, 2007 17 People
- August 22, 2007 10 People
- September 19, 2007 11 People
- October 17, 2007 9 People
- October 14, 2007 8 People
- November 14, 2007 7 People

Dickinson Bayou Watershed Habitat Workgroup Meetings:

- March 31, 2006 7 People
- June 17, 2006 4 People
- November 10, 2006 5 People
- December 19, 2006 6 People
- March 19, 2007 4 People
- October 3, 2007 5 People

In addition, presentations and meetings were conducted at the following:

Local Environmental Conferences

February 28, 2007

20 People

Attended the “Keep Dickinson Bayou Beautiful” meeting held at the Dickinson City Hall Council Chambers. There were approximately twenty people in attendance and a Power Point Presentation was delivered on the Dickinson Bayou Watershed Partnership. During this meeting, a new workgroup was formed and a Chairman nominated and selected for the Dickinson Bayou Watershed Partnership. With the help and guidance of the Watershed Coordinator the group established a new “Recreation Workgroup”.

March 30, 2007

12 People

Attended the 6th Annual FeatherFest activity on Galveston Island. During the Festival, the Dickinson Bayou Watershed Coordinator provided a Power Point presentation on water use, water quality in watersheds, growth, and land use. There were handouts, discussion, and questions answered.

Chamber of Commerce

January 12, 2007

3 People

Met with the Executive Director of the Northern Galveston County Chamber of Commerce to discuss the Dickinson Bayou Watershed Partnership. After a lengthy discussion, an invitation was extended to provide a presentation on the Partnership at the next meeting.

March 20, 2007

50 People

The Dickinson Bayou Watershed Coordinator was the keynote speaker at the Northern Galveston County Chamber of Commerce regional meeting held at the South Shore Harbor Country Club. There was a Power Point Slide Presentation on the Dickinson Bayou Watershed Partnership with discussion and questions to follow. The meeting had representatives from various city governments, education, business, and private industry.

Service Clubs

January 18, 2007

12 People

Attended the “Keep Dickinson Beautiful” membership meeting at the Dickinson City Hall Counsel Chambers. Provided a Power Point Presentation on the Dickinson Bayou Watershed

Partnership and answered questions about the proposed management plan.

February 28, 2007

20 People

Attended the "Keep Dickinson Bayou Beautiful" meeting held at the Dickinson City Hall Council Chambers. There were approximately twenty people in attendance and a Power Point Presentation was delivered on the Dickinson Bayou Watershed Partnership. During this meeting, a new recreation workgroup was formed and a Chairman nominated and selected for the Dickinson Bayou Watershed Partnership. With the help and guidance of the Watershed Coordinator the group established a new "Recreation Workgroup".

Non Profit Organizations

October 4, 2006

6 People

Met with the Dickinson Bayou Task for discussion regarding the National Park Service Assistance Grant. Attending the meeting were representatives from Keep Dickinson Beautiful, the City of Dickinson, and the Texas Cooperative Extension / Sea Grant. The meeting was held at the Dickinson City Hall.

Schools

May 18, 2007

Approximately 200 Children

Attended the K. E. Little Elementary School "Bay Day" environmental day. Provided handouts and power point presentation to hundreds of elementary children.

Local Colleges

October 28, 2006

45 People

Attended the Galveston Stakeholders Meeting at the National Marine Fisheries Service Center at the Texas A & M University campus in Galveston. This meeting involved over forty stakeholders from various entities discussing the Green Print Program and issues involving water quality, land use, flooding, and growth in the Galveston area.

April 26, 2007

26 People

Attended the Texas A&M University Sea Grant Meeting in conjunction with the General Land Office staff in Austin, Texas. The Texas Sea Grant staff explained each of their programs and what they did. The General Land Office staff explained their duties and what available grants were available.

August 20, 2007

48 People

Attended the State Watershed Coordinator's Meeting at the Blackstone Research Center in Temple, TX. Discussed successful Watershed Protection Plans in existence today and some of the present challenges. Discussed the EPA 9 Elements.

City Councils

January 5, 2007 2 People

Met with the City Manager, Joe Dickson with the City of Santa Fe to discuss the Dickinson Bayou Watershed Partnership and Management Plan.

January 12, 2007 2 People

Met with the Mayor Julie Masters with the City of Dickinson to discuss strategies for expanding the Dickinson Bayou Watershed Land Use Workgroup and moving it forward. The importance of the City of Dickinson as a focal point was discussed because of its central location in the Watershed.

April 10, 2007 22 People

Provided a Power Point presentation on the Dickinson Bayou Watershed Partnership to the Dickinson City Council.

August 2, 2007 33 People

Attended the City of Alvin, City Council meeting at the City Hall. Made a presentation on the Dickinson Bayou Watershed Partnership and the state of the Watershed. Answered questions and handed out brochures.

September 11, 2007 28 People

Attended the City of League City, City Council meeting at the City Hall. Provided a presentation on the Dickinson Bayou Watershed Partnership and answered questions.

5.3.6.3. Use existing in-house, or acquire from local, regional and state partners appropriate NPS pollution outreach materials to have on hand at public meetings and information events.

The TCWP distributed a variety of resources on NPS issues at all general partnership meetings, including Choices for Growth, all of our WaterSmart publications, and a variety of other materials from city, state, and national sources.

5.3.6.4. Attend other local and regional watershed groups to create the opportunity for information and resource sharing throughout the life of this Contract.

The DBWP Coordinator regularly attended the Plum Creek Watershed Steering Committee, the Regional Watershed

Coordination group with the Texas State Soil and Water Conservation Board, and the Armand Bayou Watershed Partnership.

5.3.6.5. Increase public involvement and interest in the Watershed Partnership by establishing an emergent marsh restoration program on Dickinson Bayou. Progress and results, including photographs, on this effort should be detailed in each progress report and in the draft / final report.

The Texas Coastal Watershed Program and the Dickinson Bayou Watershed Partnership has coordinated efforts with Keep Dickinson Beautiful, TCEQ, EPA, Local Schools, Texas Sea Grant, University of Houston, Texas A&M University, Texas State Soil and Water Conservation Board, Texas Cooperative Extension, Galveston Bay Estuary Program, the Trust for Public Land, Galveston County Parks, and the General Land Office.

TCE worked with local Dickinson High School students and Master Naturalist volunteer to collect, store, propagate and establish native wetland plants at a local restoration site in Dickinson. TCE conducted 3 field trips with the students and mentors, and worked with the science club over 2 school years, reaching about 25 students through the program. TCE also worked with over 20 Master Naturalists-trained mentors to work with and assist in the restoration program. Restoration work was completed at Paul Hopkins Park in Dickinson, completed approximately 250 linear feet of shoreline restoration. This project effort linked local students with habitat in their watershed at a location familiar and accessible to them.



5.3.7. Develop a schedule for implementing the non-point source management measures based on list of BMPs developed under objective 5.3.4. and with input and involvement of local stakeholders.

See the Nine Element table in Appendix 1.

- 5.3.8. Develop a schedule of measurable milestones to keep implementation on track. Develop a time-line of when local stakeholders should review progress.**

See the Nine Element table in Appendix 1.

- 5.3.9. Develop a set of criteria that can be used to determine if progress is being made toward attaining water quality standards (i.e. Water quality improvements, Track number of citizen complaints, Increase in the number of volunteers, Responses to mailings).**

See the Nine Element table in Appendix 1.

- 5.3.10. Develop a monitoring plan to evaluate the effectiveness of BMP measures (i.e. Monitoring plan to check for improvements; Follow-up surveys; Follow-up meetings).**

A draft monitoring plan is contained within the Monitoring Components of the Nine Element table (See Appendix 1).

- 5.3.11. Based on the results of 5.3.1-5.3.10, write the Watershed Plan for the Dickinson Bayou Watershed.**

The Draft of the Dickinson Bayou Watershed Protection Plan has been completed and submitted to the Galveston Bay Estuary Program (TCEQ). See Appendix 2.

- 5.3.12. Encourage implementation of the Watershed Plan, with assistance from the Watershed Partnership stakeholders, by seeking funding for identified BMP measures.**

The Texas Coastal Watershed Program (Texas A&M University System) has been awarded a CWA Section 319 grant for implementing the Dickinson Bayou Watershed Action Plan starting December 1, 2007.

- 5.4. Houston's East End targeted watershed NPS outreach and education to highlight the work of the Brays Bayou NPS Wetland Project.**

- 5.4.1 Develop, Organize, and Carry out La Cuenca Cuenta, a public education festival, that is centered in Houston's Lower Eastside neighborhood at Mason Park across from the Brays Bayou wetland project, to encourage involvement in environmental protection. Documentation on the number of people attending the event must be noted in progress reports and in the draft / final report. Note any matching sources of funding received from other partners in quarterly progress reports.**

TCE completed the second annual "La Cuenca Cuenta: A Watershed Fiesta," where over 500 people attended the one-day event at Mason Park on the lower east side. For more in-depth information, see Appendix 11 document, "Our Festival Story")

TCE coordinated a dedication ceremony in conjunction with Houston Parks and Recreation Department and Harris County Flood Control

District at Mason Park for the opening of the stormwater wetland project. The dedication ceremony was attended by local officials, including the directors of the HPARD, HCFCD and Galveston Bay Estuary Program.



5.4.2. Focus on educational outreach to involve students in the project which will include in-class instruction, plant collection field trips, on-site school wetland projects, and student-lead restoration.

TCE conducted 6 water quality testing days with Stephen F. Austin high school students at Mason Park during the grant duration. Water Quality testing including collection of conductivity, water and air temperature, salinity, water clarity, pH, Dissolved oxygen, and bacteria samples.

TCE conducted one training series with multiple chapters of Texas Master Naturalist in August 2006. The training series instructed over 28 Master Naturalists about basic plant identification using native wetland plants from the region.



5.5 Through the use of WaterSmart and Low Impact concepts, educate the public on their role in non-point sources of pollution and poor water management and ways to prevent and conserve.

5.5.1 Continue to expand the practical application of WaterSmart concepts by working with the Sunnyside CDC to install a WaterSmart demonstration landscape. Discuss progress and results, including photographs, in quarterly reports and draft / final report.

The Sunnyside CDC group was not prepared to assist with this task. In consultation with GBEP, this task was pursued.

5.5.2 Develop, organize, and carry out WaterSmart, a workshop to inform the nursery and landscape private sector about the benefits of using native plants and low impact landscapes that will minimize the need for excess water use, fertilizer, pesticides and herbicides; and the growing economic market for WaterSmart concepts. Documentation on the number of people attending the event must be noted in progress reports and in the draft / final report. Note any matching sources of funding received from other partners in quarterly progress reports.

The **WaterSmart Landscaping Seminar for Professionals** was held on Wednesday, November 15, 2006 at the Sheraton Brookhollow Hotel in Houston. For the past six years, the WaterSmart Program has hosted workshops focused primarily on the homeowner or non-professional. This year, for the first time, a seminar was directed at a new audience comprised of city and county planners, architects, engineers, landscape architects and designers, and grounds maintenance groups. With an attendance of one hundred and thirty participants, the evidence shows that the professional audience is eager to learn about and initiate positive changes in the way in which landscapes are designed, installed and maintained. Also, due to the nature of the target audience, it is felt that each attendee has the ability to inform and impact a larger circle of people.

Presentations covered topics that ranged from local to global perspectives of watershed protection through "WaterSmart" landscaping. Keynote speaker, Dr. Michael Dietz from the University of Connecticut, a leading expert in bioretention areas, discussed how these can be successfully implemented in new development or retrofitted into the existing urban landscapes. Among other titles were: Getting Smart with Water: The Case for Landscapes, Building Healthy Soils, The Right Plant in the Right Place: The Economics of Ecology, Watersheds: Macro to Micro, and The state of Water: How will Current and Future Policies Affect Landscaping in Texas.

Included among the sponsors and partners were those that have a long standing participation in previous workshops: Houston Endowment, Texas Cooperative Extension (Department of Recreation, Parks, and Tourism Science), Texas Sea Grant, Galveston Bay Estuary Program, Jacob and Terese Hershey Foundation, Gulf Coast Waster Disposal Authority and the City of Pasadena. Co-host and new sponsor this year was Harris County Storm Water Quality Section and its Clean Water Clear Choice Program. Completing the list of new sponsors were the following: Bayou Preservation Association, Houston-Galveston Area Council, City of Houston, and San Jacinto Environmental Supplies. A total of \$10,000 in sponsorship funds was received for the seminar.

The seminar garnered interest and support from many professional groups in the landscape industry arena including the Texas Nursery and Landscape Association, the American Landscape Association (ALA), the American Institute of Architects (AIA), the American Society of Landscape Architects (ASLA), the Houston Organic Business Association (OHBA), the Texas Board of Architectural Examiners (TBAE) and the Houston / Gulf Coast Irrigation Association. Texas Commission for Environmental (TCEQ) gave the seminar its approval of training for occupational licensing for landscape irrigators.

Nine commercial and four non-profit exhibitors made participants aware of the wide range of environmentally friendly products, services, and educational support easily accessible to them. Through their generosity, twelve door prizes were given away at the closing of the seminar.

Participant evaluation surveys revealed an increase in overall knowledge of key concepts related to watershed protection and landscaping. Fifty percent of those attending responded to this survey. Survey results are in Appendix 12. A list of attendees is in Appendix 13.



WaterSmart Landscaping Seminar for Professionals
Sheraton Brookhollow Hotel
November 11, 2006



Seminar Participants



Exhibitors—Commercial vendors and non-profit organizations

- 5.6 Develop, Organize, and Carry out a conference that encourages municipal governments and private sector companies to consider the benefits of greenspace; increased parkland, native plant landscapes, construction and use of NPS BMPs; quality of life issues; and innovative community planning that protects watersheds and the environment, reduces flooding, and relieves traffic congestion. Documentation on the number**

of people attending the event, including the organizations they represent, must be noted in progress reports and in the draft / final report. Note any matching sources of funding received from other partners in quarterly progress reports.

With funding from GBEP, TCE helped host the 2006 Low Impact Development Symposium. Documentation can be found at <http://www.bayoupreservation.org/pages/meetingsandsymposia.htm>

- 5.7 Partner with Trash Bash (trashbash.org) to educate the public on the causes of pollution; the need for eliminating floatables; encouraging civic involvement in picking up trash; and lessening one's impact by not littering or throwing items down the storm drain. Documentation on the number of people attending the event must be noted in progress reports and in the draft / final report. Note any matching sources of funding received from other partners in quarterly progress reports.**

Pass through provided to the Trash Bash organization.

- 5.8 Present at State of the Bay Symposium VIII.**

John Jacob

2005 SOB: *Habitat and Runoff - The Linkages* (Invited)

2007 SOB: *Houston Growth: A Watershed Event* (Invited)

Having your cake and eating it too: Quality of life and the environment in the Galveston Bay Watershed (Volunteered)

Bud Solmonsson

2007 SOB: *Armand & Dickinson Bayou Watershed Plans*