

**Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission, Copano, Aransas,  
and San Antonio Bays Basin and Bay Area Stakeholder Committee (BBASC)**

Thursday, November 21, 2013

1:00 pm

San Antonio River Authority

100 East Guenther Street

San Antonio, TX

AGENDA

- I. Introductions
- II. Public Comment
- III. Discussion and Agreement on Agenda
- IV. Approval of Minutes from August 22, 2013 Meeting
- V. Discussion and Appropriate Action Regarding Nominations to Fill Regional Water Planning Group Vacancy on Stakeholder Committee
- VI. Discussion and Appropriate Action Regarding:
  - (a) Draft Request for Proposal (RFP) Statements and;
  - (b) Draft Proposal Evaluation Matrix
- VII. Draft Timeline for RFP Issuance, Proposal Review and Awards
- VIII. Discussion and Appointment of Proposal Evaluation Team
- IX. Set Next Meeting Date, Time and Location
- X. Agenda Items for Future Consideration
- XI. Public Comment
- XII. Adjourn

## **AGENDA ITEM III**

Discussion and Agreement on Agenda

## **AGENDA ITEM IV**

Approval of Minutes from August 22, 2013

**Guadalupe, San Antonio, Mission, and Aransas Rivers and Mission,  
Copano, Aransas, and San Antonio Bays Basin and Bay Area Stakeholder  
Committee (BBASC) meeting**

Thursday, August 22, 2013 at 10:00 am  
GBRA River Annex, 905 Nolan Street  
Seguin, TX 78155

**MINUTES**

**Members Present:** Suzanne Scott, Chair; Diane Wassenich, Vice-Chair; Tyson Broad; Thurman Clements; Roland Ruiz; James Dodson for Ken Dunton; Jack Campbell; Jay Gray; Milan Michalec; Chris Hale; Jerry James; Mike Mecke; Con Mims; James Murphy; Mike Peters; Hope Wells for Robert Puente; Jennifer Ellis; Doris Cooksey

**Public Comment**

James Dodson, San Antonio Bay Partnership, informed BBASC members that the second annual San Antonio Bay Day will be held on September 28, 2013 at Seadrift Bayfront Park in Seadrift, TX. He informed the BBASC that sponsors are still needed for the event and encouraged members to attend. In addition, Mr. Dodson discussed his efforts to form a work group to look at the benefits to environmental flows of aquifer storage and recovery (ASR) projects and invited members to contact him to join in the discussion.

**Discussion and Agreement on Agenda**

The members agreed to accept the agenda as presented.

**Approval of Minutes from June 27, 2013 Meeting**

The minutes from the June 27, 2013 BBASC meeting were approved by consensus.

**Discussion and Appropriate Action Regarding Soliciting Nominations for Regional Water Planning Group Vacancy on Stakeholder Committee**

GSA BBASC Chair Suzanne Scott informed the members that the deadline for submitting nominations for the vacancy for the Interest Category of Regional Water Planning was extended to be consistent with previous GSA BBASC nomination processes. Members agreed to officially open the position to nominations and it was clarified that potential nominees do not have to be a member of a Regional Water Planning Group or endorsed by a group, but that the Chairs of Regional Water Planning Groups N, J, and L would be informed of the vacancy for possible nominations. In addition, any nominations already submitted would still be considered. Members unanimously agreed to an October 1<sup>st</sup>, 2013 nomination deadline.

**Discussion Regarding Appropriated Funding for Environmental Flows Work Plan for Adaptive Management for Guadalupe-San Antonio Basin**

Mrs. Scott provided an overview of the letter received from the Science Advisory Committee (SAC), Chairman Robert Houston, notifying Bay and Basin Area Stakeholder Committees of the SAC's tentative positions regarding funding recommendations to the Environmental Flows Advisory Group (EFAG). The letter also requested more information from BBASC's concerning funding needs of each basin. Furthermore, Mrs. Scott presented the Work Group's efforts in drafting a letter to the Texas Water Development Board (TWDB) and the SAC outlining suggested funding criteria recommendations. Most discussion between members focused on clarifying the BBASC's position concerning the already allocated \$750,000 as a funding base rather than a funding cap, whether funds received should be limited in scope to scientific studies versus strategies, and development of a scoring and evaluation criteria for submitted proposals. With regards to the SAC letter, members were mostly in agreement that it should be expressed that the BBASC considers the \$750,000 as a funding floor, that the GSA BBASC has additional funding needs, and that HB4/SB4 funds should not completely be limited to scientific studies but include any projects that refine and validate work plan elements as well as strategies.

During this time, Dr. Ruben Solis of TWDB indicated that TWDB was open to working with the GSA BBASC to develop a scoring criteria for proposals. Therefore, a work group was formed to aid TWDB in the development of a proposal scoring criteria, which members expressed would ideally take into account both work plan priority rank and combination of work plan elements. Finally, it was agreed among members the TWDB would handle "conflict of interests" during the funding process.

### **Presentation by USGS on Gage below Saltwater Barrier**

Karl Winters, USGS Texas Water Science Center Surface Water Specialist, presented information concerning computing stream discharge using the index-velocity method specifically with regards to the newly installed USGS gage below the saltwater barrier at SH35 near Tivoli, TX. He indicated that this method was particularly useful in determining discharge for streams with variable backwater, tidal influence, and/or seasonal variations in vegetation or algae and is appropriate when more than one discharge can be measured for a given stage. At the time of the presentation, 8 streamflow measurements had been collected at the new gage ranging from 24 - 3,100 cfs. Mr. Winters indicated more measurement points are needed to determine index-velocity relationships at the gage. Members inquired if continuous salinity measurements were being recorded and whether discharges at SH35 can be compared to discharge measurements of upper gages to characterize losses or gains within the system. Mr. Winters stated that no continuous salinity measurements are being recorded and that the data, if collected in the same manner at other gages, could be compared.

### **Presentation by Texas General Land Office (GLO) on Coastal and Marine Spatial Planning Processes**

Kate Zultner, General Land Office Planning and Policy Coordinator, presented information concerning the Texas Coastal Management Program (TCMP) with regards to long-term Coastal and Marine Spatial Planning. To guide planning development, Mrs.

Zultner indicated that a Technical Advisory Committee (TAC) was formed in 2012 to evaluate issues of concern and critical areas for each of the four designated coastal regions across Texas. Additionally, she stated the next steps in the TCMP Coastal and Marine Spatial Planning process are to have a Data Standards Committee gather priority data sets, develop a spatial planning tool to detail current natural resources in regions using Resource Management Codes (RMC), and website development.

### **Discussion with Tim Bonner regarding Work Plan Implementation**

Dr. Tim Bonner, Texas State University and GSA BBEST Member, provided insight into his September 19<sup>th</sup>, 2012 email to the GSA BBASC regarding the Work Plan for Adaptive Management and presented an overview of how the GSA BBASC could utilize the scientific method to better meet their charge, specifically with regards to refinement and validation of e-flow recommendations. He demonstrated how e-flow recommendations could be refined via a hypothesis testing approach of flow versus water quality parameters. He further explained how validating e-flow recommendations might also be accomplished through predicting and modeling of flow-species abundance relationships using Rangia Clams. Dr. Bonner also stated that SB2/TIFP is a separate process and is not a refinement or validation of e-flow recommendations. Members expressed interest in these approaches and inquired as to how differing parameters, such as dissolved oxygen and temperature, would be balanced if analyses resulted in disparate environmental flows as well as how a priori predictions take into account natural variation. Dr. Bonner responded that the analyses need to be systematic in nature to best resolve dissimilar results and that while variation makes validation difficult, a priori predictions are still needed. This was followed by a discussion by members concerning which e-flow recommendations should be validated. Members were in agreement that e-flow recommendations as adopted in the Chapter 298 rules are the most appropriate choices for validation.

### **Set Next meeting Date, Time and Location**

A doodle poll will be sent to members to determine the next GSA meeting date.

### **Possible Agenda Items for the next GSA BBASC Meeting**

Members discussed the following items for future agendas:

- State Methodology for Estimating Inflows (TPWD - Cindy Loeffler)

### **Public Comment**

David Mauk, General Manager of Bandera River Authority and Groundwater District indicated that the Medina River had recently stopped flowing and thanked the San Antonio River Authority for aiding in fish rescue efforts for the Guadalupe Bass.

Sam Vaughn, GSA BBEST, clarified that the state TIFP methodologies do involve linking flows with species abundances.

### **Meeting Adjourned**

## **AGENDA ITEM V**

Discussion and Appropriate Action Regarding Nominations to Fill  
Regional Water Planning Group Vacancy on Stakeholder  
Committee

**Guadalupe, San Antonio, Mission and Aransas Rivers  
And Mission, Copano, Aransas, and San Antonio Bays  
Stakeholder Committee Member Nomination Form**

Person being nominated

Your contact details

Name: Gená Leathers	Name: Sam Vaugh
Address/City/State: 2301 N Brazosport Blvd., APB Bldg., Freeport, Texas, 77541	Address/City/State: 6101 Lonesome Valley Trail, Austin, Texas, 78731
Nominee's Basin of Residence: San Jacinto - Brazos	
Title: Water Issue Leader - Corporate Water Strategy	Title: Vice President / Chair
Affiliation: Dow Chemical Company	Affiliation: Region L Technical Consultant (HDR Engineering, Inc.) / GSA BBEST
Phone: (979) 238-9953      Fax:	Phone: (512) 912-5142      Fax: (512) 912-5158
Email: GALEathers@dow.com	Email: Sam.Vaugh@hdrinc.com

Is nominee willing to serve?    Yes       Don't know

Identify interest group(s) nominee is recommended to represent (for full description of each interest group, see Texas Water Code, Section 11.02362):

- |  |  |
|--|--|
| agricultural irrigation <input type="checkbox"/>               | electricity generation <input type="checkbox"/>                    |
| free-range livestock <input type="checkbox"/>                  | production of paper products or timber <input type="checkbox"/>    |
| concentrated animal feeding operation <input type="checkbox"/> | commercial fishermen <input type="checkbox"/>                      |
| recreational water users <input type="checkbox"/>              | public interest groups <input type="checkbox"/>                    |
| municipalities <input type="checkbox"/>                        | regional water planning groups <input checked="" type="checkbox"/> |
| soil and water conservation districts <input type="checkbox"/> | groundwater conservation districts <input type="checkbox"/>        |
| industrial refining <input type="checkbox"/>                   | river authorities and others <input type="checkbox"/>              |
| chemical manufacturing <input type="checkbox"/>                | environmental interests <input type="checkbox"/>                   |

Please make a brief statement of the nominee's background and qualifications to represent the interest group:

Ms. Leathers is uniquely qualified for service as a Regional Water Planning Groups interest group representative for reasons including the following:

- 1) Member of the South Central Texas (Region L) and Region H regional water planning groups.
- 2) Member of the Edwards Aquifer Recovery Implementation Program (EARIP) Steering Committee that guided development the Edwards Aquifer Habitat Conservation Plan.
- 3) Water Issue Leader for Corporate Water Strategy for the Dow Chemical Company including oversight of water supply and related environmental considerations for Seadrift Operations with nine manufacturing facilities located on 4,700 acres in Calhoun County. Seadrift Operations support more than 1,000 employees and contractors and are dependent on surface water supplies from the Guadalupe - San Antonio River Basin.
- 4) Member of the Brazos River and Associated Bay and Estuary System Basin and Bay Area Stakeholder Committee (BBASC).
- 5) Livestock owner and rancher integrating rural, regional, state, and global perspectives with respect to water. Supplemental qualifications and/or resume can be provided by Ms. Leathers upon request.

Please submit your nominations by e-mail to [Leslie.Patterson@TCEQ.Texas.gov](mailto:Leslie.Patterson@TCEQ.Texas.gov)

**Guadalupe, San Antonio, Mission and Aransas Rivers  
And Mission, Copano, Aransas, and San Antonio Bays  
Stakeholder Committee Member Nomination Form**

Person being nominated

Your contact details

Name: Tony Wood	Name: Tyson Broad
Address/City/State: 6300 Ocean Drive, Unit 1100 Corpus Christi, Tx 78412-5850	Address/City/State: PO Box 1931 Austin, Tx 78767
Nominee's Basin of Residence: Nueces and San Antonio	
Title: Professor, Environmental Science Director, National Spill Control School	Title: Research Associate
Affiliation: Texas A&M Univ-Corpus Christi	Affiliation: Lone Star Chapter Sierra Club
Phone: 361.825.3335      Fax:	Phone: 325.248.3137      Fax:
Email: tony.wood@tamucc.edu	Email: tysonbroad@gmail.com

Is nominee willing to serve? Yes       Don't know

Identify interest group(s) nominee is recommended to represent (for full description of each interest group, see Texas Water Code, Section 11.02362):

- |  |  |
|--|--|
| agricultural irrigation <input type="checkbox"/>               | electricity generation <input type="checkbox"/>                    |
| free-range livestock <input type="checkbox"/>                  | production of paper products or timber <input type="checkbox"/>    |
| concentrated animal feeding operation <input type="checkbox"/> | commercial fishermen <input type="checkbox"/>                      |
| recreational water users <input type="checkbox"/>              | public interest groups <input type="checkbox"/>                    |
| municipalities <input type="checkbox"/>                        | regional water planning groups <input checked="" type="checkbox"/> |
| soil and water conservation districts <input type="checkbox"/> | groundwater conservation districts <input type="checkbox"/>        |
| industrial refining <input type="checkbox"/>                   | river authorities and others <input type="checkbox"/>              |
| chemical manufacturing <input type="checkbox"/>                | environmental interests <input type="checkbox"/>                   |

Please make a brief statement of the nominee's background and qualifications to represent the interest group:

Mr. Wood's diverse and worldwide career in environmental and engineering services over the last 30+ years has included responsibilities in consulting, business development, and safety. Mr. Wood has worked for or consulted to most North American and European industrial waste and recycling companies, as well as many Fortune 500 industries.

Mr. Wood is active in regional, state, national, and international environmental planning matters. He has served as the president of the Audubon Foundation of Texas and was on the board of the South Central Texas Regional Water Planning Group board until August 2013 and is currently an applicant for the Region N Regional Water Planning Group. He has previously served with the Municipal Planning Organization and San Antonio Water Systems Advisory Panel in San Antonio.

From 2004 to 2009 Mr. Wood supported the engineering and redevelopment efforts under contract to the US military in Iraq and Afghanistan.

Please submit your nominations by e-mail to [Leslie.Patterson@TCEQ.Texas.gov](mailto:Leslie.Patterson@TCEQ.Texas.gov)

**Guadalupe, San Antonio, Mission and Aransas Rivers  
And Mission, Copano, Aransas, and San Antonio Bays  
Stakeholder Committee Member Nomination Form**

Person being nominated

Your contact details

Name: David Mauk	Name: Don Sloan
Address/City/State: PO Box 177 Bandera, Texas 78003	Address/City/State: Same
Nominee's Basin of Residence: San Antonio	
Title: General Manager	Title: Board President
Affiliation: Bandera Co River Authority and Groundwater District	Affiliation: Bandera Co River Authority and Groundwater District
Phone: 830 796 7260 Fax: 830 796 8262	Phone: 830 796 7260 Fax:
Email: dmauk@bcragd.org	Email: sloanmedina@cs.com

Is nominee willing to serve? Yes  Don't know

Identify interest group(s) nominee is recommended to represent (for full description of each interest group, see Texas Water Code, Section 11.02362):

- |  |   |
|--|---|
| agricultural irrigation <input type="checkbox"/>               | electricity generation <input type="checkbox"/>                           |
| free-range livestock <input type="checkbox"/>                  | production of paper products or timber <input type="checkbox"/>           |
| concentrated animal feeding operation <input type="checkbox"/> | commercial fishermen <input type="checkbox"/>                             |
| recreational water users <input type="checkbox"/>              | public interest groups <input type="checkbox"/>                           |
| municipalities <input type="checkbox"/>                        | <b>regional water planning groups</b> <input checked="" type="checkbox"/> |
| soil and water conservation districts <input type="checkbox"/> | groundwater conservation districts <input type="checkbox"/>               |
| industrial refining <input type="checkbox"/>                   | river authorities and others <input type="checkbox"/>                     |
| chemical manufacturing <input type="checkbox"/>                | environmental interests <input type="checkbox"/>                          |

Please make a brief statement of the nominee's background and qualifications to represent the interest group:

David Mauk is the General Manager for the Bandera County River Authority & Groundwater District. He is a member of the Plateau Water Planning Group (Region J), Groundwater Management Area-9, Texas Water and Conservation Association, and the Texas Alliance of Groundwater Districts.

Mr. Mauk serves as a Board member for both the Medina River Protection Fund and the Lake Medina Conservation Society. He is versed in surface water and groundwater management issues.

The Bandera County River Authority and Groundwater District is a very unique District. The District has authority out of Chapters 36, 49, and 51 of the Water Code. These powers and duties awarded to the District expose Mr. Mauk to a variety of water management issues that give him a strong understanding of how surface water and groundwater systems are interconnected.

I believe his experience dealing with management issues related to the interconnectivity of the surface water and groundwater systems will allow him to effectively serve as a member of the GSA BBASC Regional Water Planning Group.

Don Sloan  
Bandera County River Authority and Groundwater District  
Board President

Send nomination forms to:

Leslie Patterson, M.S.  
Texas Commission on Environmental Quality  
PO Box 13087  
Austin TX 78711-3087

- or -

Leslie Patterson, M.S.  
[Leslie.Patterson@tceq.texas.gov](mailto:Leslie.Patterson@tceq.texas.gov)

**Guadalupe, San Antonio, Mission and Aransas Rivers  
And Mission, Copano, Aransas, and San Antonio Bays  
Stakeholder Committee Member Nomination Form**

Person being nominated

Your contact details

Name: Tom Ballou, Jr.	Name: Jennifer Ellis
Address/City/State: 600 Apex Ave. New Braunfels, TX 78132	Address/City/State: 44 East Ave, Ste 200 Austin, TX 78701
Nominee's Basin of Residence: Guadalupe	
Title: Attorney	Title: Sr. Project Coordinator, Texas Living Waters Project
Affiliation: Region N Planning Group (Industry)	Affiliation: National Wildlife Federation
Phone: 361-777-2352      Fax: 361-777-2684	Phone: 512-468-5077      Fax: 512-476-9810
Email: tballou@sherwinalumina.com	Email: ellis@nwf.org

Is nominee willing to serve? Yes       Don't know

Identify interest group(s) nominee is recommended to represent (for full description of each interest group, see Texas Water Code, Section 11.02362):

- |  |  |
|--|--|
| agricultural irrigation <input type="checkbox"/>               | electricity generation <input type="checkbox"/>                    |
| free-range livestock <input type="checkbox"/>                  | production of paper products or timber <input type="checkbox"/>    |
| concentrated animal feeding operation <input type="checkbox"/> | commercial fishermen <input type="checkbox"/>                      |
| recreational water users <input type="checkbox"/>              | public interest groups <input type="checkbox"/>                    |
| municipalities <input type="checkbox"/>                        | regional water planning groups <input checked="" type="checkbox"/> |
| soil and water conservation districts <input type="checkbox"/> | groundwater conservation districts <input type="checkbox"/>        |
| industrial refining <input type="checkbox"/>                   | river authorities and others <input type="checkbox"/>              |
| chemical manufacturing <input type="checkbox"/>                | environmental interests <input type="checkbox"/>                   |

Please make a brief statement of the nominee's background and qualifications to represent the interest group:

- Active in regional water and environmental affairs (Region N) for past 23 years
- Member Region N Water Planning Group representing Industry
- Member the Nueces Estuary Advisory Counsel (Industry Rep.)15 years (Chair of Funding Committee)
- Member BBASC, Nueces/Baffin Bay Basin
- Active in Corpus Christi Bays and Estuary Program committees and affairs since formation in 1994
- Active in Gulf of Mexico Alliance Business and Industry Council and its predecessor with Gulf Program
- Member Coastal Bend Regional Health Awareness Board
- Retired Naval Officer
- Employed in Coastal Bend, but resident of Comal County from 1985-1992 and 2005-2013
- Personally dedicated to finding resource solutions that meet human needs while preserving resources and the environmental for the future

Tom Ballou, Jr. – Legal and External Affairs Coordinator  
Sherwin Alumina Company

Tom Ballou, Jr. is the Legal and External Affairs Coordinator for the Sherwin Alumina Company. He has worked in environmental and public affairs at the facility under both the current and former ownership for 19 years. Ballou took his undergraduate degree at the University of Virginia, his Masters Degree in Environmental Management at the University of Texas and his law degree at the University of Houston. Prior to working for the company and its predecessor, Reynolds Metals Company, he practiced commercial and environmental law in San Antonio and Corpus Christi for 10 years, representing a range of clients including recycling and chemical manufacturing firms. Tom is a retired Naval Reserve officer and aviator.

Under Tom's leadership, Sherwin Alumina is fully permitted, has a significantly improved compliance record, is a leader in public outreach and has a strong positive public image.

Tom serves on the Regional Water Planning Board (Region N), the Nueces Estuary Advisory Council, the Corpus Christi Regional Air Quality Committee, the Gulf of Mexico Business Coalition and is Chairman of the San Patricio County Rural Rail Transportation District.

Tom Ballou and his wife, Trish, have been married for 43 years and have one son, Tom III. They reside near New Braunfels, TX.

Please submit your nominations by e-mail to [Leslie.Patterson@TCEQ.Texas.gov](mailto:Leslie.Patterson@TCEQ.Texas.gov)

## **AGENDA ITEM VI**

Discussion and Appropriate Action Regarding:

- (a) Draft Request for Proposal (RFP) Statements and;
- (b) Draft Proposal Evaluation Matrix

*Guadalupe, San Antonio, Mission, and Aransas Rivers and  
Mission, Copano, Aransas, and San Antonio Bays  
Basin and Bay Area Stakeholder Committee (GSA BBASC)*

**Preliminary Draft Solicitations of  
Proposals for Prioritized Work Plan Activities  
October 22, 2013**

The GSA BBASC is seeking studies, in accordance with its work plan, to utilize funding appropriated by the 83<sup>rd</sup> Texas Legislature and administered by Texas Water Development Board (TWDB) that builds upon existing data, existing or ongoing research, and / or requires limited additional field work to assist in the validation or refinement of the adopted Texas Commission on Environmental Quality (TCEQ) environmental flow standards in sustaining the environmental health of the rivers, bays and estuaries.

In addition, the GSA BBASC is seeking one study to support the implementation of a strategy identified in the work plan to assist in meeting the approved environmental flow standards.

**#1 Texas Instream Flow Program Studies**

The Texas Instream Flow Program (TIFP) has nearly completed studies on the lower San Antonio River and lower Cibolo Creek below the City of San Antonio and is currently conducting studies on the lower Guadalupe River below Canyon Reservoir with the support of the San Antonio River Authority and Guadalupe-Blanco River Authority, respectively. The ability to tie biological data to observable flow levels at specific sites through TIFP studies was critical to the committee's environmental flow recommendations for the lower San Antonio River. The GSA BBASC believes that advancing the TIFP on the Guadalupe River, San Antonio River, and other streams for which environmental flow standards have been adopted will be beneficial for validation and / or refinement of these standards. Hence, the Texas Water Development Board (TWDB) requests proposals for TIFP type studies to be conducted in accordance with the TIFP Technical Overview (TIFP 2008) focusing on the Guadalupe, San Antonio, San Marcos, Blanco, Medina, and/or Mission Rivers. Funding to be allocated to this activity is not expected to exceed \$200,000 and all proposed work and deliverables associated with the TWDB administered funding shall be completed prior to August 31, 2015. Any proposed work and deliverables that utilize additional funding sources must be completed and submitted to the GSA BBASC by August 31, 2016. As more than one qualified proposal may be accepted, each proposal submitted must focus on only one of the listed rivers.

**#2 Lower Basin / Estuarine Inflow Studies**

Depending on hydrologic conditions (i.e. high and low flows), and water withdrawals and returns for municipal, industrial, agricultural, and environmental purposes, Guadalupe River flows enter

the Guadalupe Estuary via the river itself, Schwings, Hog, Goff bayous, the Calhoun Canal System, and the Victoria Barge Canal. The complexity of these systems is related to the variability in hydrologic conditions, water use patterns, and numerous factors affecting measurement accuracy. Therefore, understanding flow volumes ultimately entering the estuary and its flowpaths is incomplete. Improved understanding could lead to validation and/or refinement of the approved TCEQ environmental flow standards. Additionally it could lead to improved gaging methods, more accurate modeling of estuarine systems, more efficient management for water supply, and better understanding of the effects of these flow patterns have on marsh and wetland habitat productivity and species composition. Hence, the TWDB requests proposals for flow measurements and analysis of flow and spatial data to improve understanding of flow patterns in the lower Guadalupe – San Antonio River Basin and proximate bayous and water courses. Funding to be allocated to this activity is not expected to exceed \$200,000 and all proposed work and deliverables associated with the TWDB administered funding shall be completed prior to August 31, 2015. Any proposed work and deliverables that utilize additional funding sources must be completed and submitted to the GSA BBASC by August 31, 2016.

### **#3 Rangia Clam Investigations**

Development of the environmental flow standards adopted for the Guadalupe and Mission-Aransas Estuaries for three months of the year (March – May) relied heavily on reproductive requirements for *Rangia* clams. This approach utilized literature from studies in other states, as well as distribution and abundance patterns for *Rangia* clams based on Texas Parks & Wildlife Department (TPWD) reports of incidental catch. Site-specific studies of *Rangia* clams in the upper brackish portions of the Guadalupe and Mission-Aransas Estuaries would be very useful for validation or refinement of the estuarine environmental flow standards. Hence, the TWDB requests proposals that focus on the Guadalupe and Mission-Aransas Estuaries to (a) investigate reproductive requirements of *Rangia* in relation to environmental variables throughout the year and, (b) assess the distribution and abundance patterns of *Rangia* clams using appropriate sampling approaches and field instrumentation. Funding to be allocated to this activity is not expected to exceed \$150,000 and all proposed work and deliverables associated with the TWDB administered funding shall be completed prior to August 31, 2015. Any proposed work and deliverables that utilize additional funding sources must be completed and submitted to the GSA BBASC by August 31, 2016.

### **#4 Key Estuarine Faunal Species Studies**

Environmental flow standards for the Guadalupe and Mission-Aransas Estuaries are based, in large part, on analyses focused on *Rangia* clams and Eastern oysters. In its Work Plan for Adaptive Management, the GSA BBASC identified that additional scientific studies on white shrimp, blue crabs, and other key faunal species could guide future efforts to validate and/or refine the adopted TCEQ environmental flow standards. Hence, the TWDB requests proposals for: (a) review and synthesis of scientific literature; and (b) analysis of new and/or existing data

sets available from TPWD and others to identify ecological relationships between freshwater inflow and abundance of key faunal species such as white shrimp and blue crabs as well as the factors that complicate these relationships. Funding to be allocated to this activity is not expected to exceed \$150,000 and all proposed work and deliverables associated with the TWDB administered funding shall be completed prior to August 31, 2015. Any proposed work and deliverables that utilize additional funding sources must be completed and submitted to the GSA BBASC by August 31, 2016.

### **Strategy Options for Meeting Attainment Frequencies for the Estuaries**

The identification, quantification, and implementation of strategies to meet environmental flow standards are of particular interest to the GSA BBASC. The GSA BBASC Work Plan for Adaptive Management recognizes that voluntary implementation of water use and management strategies will improve the effective use of limited surface water within the basin particularly during the driest times when water is in its highest demand and flows are at their lowest. Hence, the TWDB requests proposals for evaluation of one or more strategy options listed in the GSA BBASC Work Plan for Adaptive Management to include; the amount of potential water available, location, seasonal availability and cost of one or more strategies to achieve the estuarine attainment frequencies identified in the TCEQ environmental flow standards. Funding to be allocated to this activity is not expected to exceed \$50,000 and all proposed work and deliverables associated with the TWDB administered funding shall be completed prior to August 31, 2015. Any proposed work and deliverables that utilize additional funding sources must be completed and submitted to the GSA BBASC by August 31, 2016. As more than one qualified proposal may be accepted, each proposal submitted must focus on only one of the listed strategies.

## G-SA BBASC Work Plan Proposals Evaluation Matrix

Reviewed by:  
Date:

CRITERIA															
Points (1 low to 10 high)															
WANTS	WT.	Pt.	Pt.	Pt.	Pt.	Pt.	Pt.	Pt.	Pt.	Pt.	Pt.	Pt.	Pt.	Pt.	Pt.
How well does the proposal address a Need or Needs Identified in the Work Plan	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.	
What level of Local Match (non-State Funds), Work-In-Kind (WIK) or Additional Collaborative Projects with Outside Funding is identified in the proposal	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.	
To what degree does the Proposed Work Support or Build Upon Other or Previously Accomplished Work Plan Elements	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.	
Will the Proposed Work be Available to Inform the Next Review of the Environmental Flow Standards (December 2016)	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.	
Can the Proposed Work be Used to Validate or Refine the Adopted Environmental Flow Standards or BBASC recommended flow regimes and/or Can the proposed work assist in meeting voluntary strategies	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.	
Does the Team have Demonstrated Expertise and Qualifications in the Technical and Scientific Fields Needed to Conduct the Proposed Work	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.	
Are the Approach, Methodology, Phasing, Schedule and Interim/Final Deliverables Appropriate and Sufficient for the Proposed Work	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.	
Does the proposal have Applicability in other river basin and bay areas	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.				Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.			Insert any comments on the firm in this category here.	
<b>TOTAL</b>		<b>0</b>		<b>TOTAL</b>		<b>0</b>		<b>TOTAL</b>		<b>0</b>		<b>TOTAL</b>		<b>0</b>	

## **AGENDA ITEM VII**

Draft Timeline for RFP Issuance, Proposal Review and Awards

TWDB Contract Milestones for BBASC Contract.

Mile-Stone	Task Completed DAY	Task Time(Days)	Calendar	MILESTONES
1	1	1	Accomplished Nov. 25th	TWDB receives Draft RFP from GSA BBASC
2	4	3	Accomplished by Dec. 5th	WSC and Contracting Review and Finalize RFP
3	14	10	Dec. 9 <sup>th</sup> – Jan. 10 <sup>th</sup> (accounted for week of Christmas and New Year's)	Finalize RFP Routed for Approval
4	35	21	Jan. 10 <sup>th</sup> – Feb. 4 <sup>th</sup>	RFP Advertised for Contractor Proposal
5	49	14	Feb. 4 <sup>th</sup> – Feb. 19 <sup>th</sup>	GSA BBASC team Evaluates and Recommends Contractors to BBASC
6		1	Feb. 20 <sup>th</sup> – Feb. 25 <sup>th</sup>	BBASC approval of Evaluation Team recommendations
7	56	7	Feb. 25 <sup>th</sup> – March 5 <sup>th</sup>	Vendor - GSA BBASC team Negotiation of Final Scope of Work (SOW)
8	61	5	March 5 <sup>th</sup> – March 12 <sup>th</sup>	Vendor and TWDB signoff and

Risk: Items that could lengthen the contracting Timeline:

Not having the scoring criteria prior to receiving the statements of competence and qualifications, Milestone 5 in above Table. The best management practice is for BBASC to provide TWDB with the scoring sheet concurrently with the draft RFP.

Evaluation team cannot agree on the best qualified contractor, Milestone 5 in above Table.

Vendor and BBASC team cannot reach agreement on Final SOW and price

## **AGENDA ITEM VIII**

Discussion and Appointment of Proposal Evaluation Team

## **AGENDA ITEM IX**

Set Next Meeting Date, Time and Location