



## May 9, 2018 Meeting Minutes

Available at [eahcp.org](http://eahcp.org)

### 1. Call to order

*All members were present*

### 2. Public comment

*No comments from the public*

### 3. Approval of the Science Committee meeting minutes (Attachment 1).

*Dr. Duke motioned to approve the meeting minutes from March; Dr. Kreitler seconded. There were no objections.*

### 4. Receive report from the Program Manager.

- Spring systems and index well update
- 2017 recharge estimate and 10 year rolling average
- 2018 stormwater sampling event - Comal
- Water Quality and BioMonitoring Program RFPs
- Staff and committee membership update

### 4. Presentation and discussion of the proposed methodology for the Sessom Creek Sediment Export study.

*Contractors, Dr. Wolf and Dr. Jeong (Blackland Research and Extension Center), and Dr. Schwartz and Dr. Nowlin (Texas State University) presented an overview of their proposed methodology for the Sessom Creek Sediment Export Study. They will analyze discharge data collected from a radar sensor combined with water quality samples collected by an ISCO sampler to calculate sediment/constituent loading curves for the Sessom Creek watershed.*

*Dr. Schwartz emphasized that their study will not be able to pinpoint the exact sources of the loadings, however, it will help us better understand the overall characteristics of the watershed and how it responds to large rain events.*

*Dr. Weckerly noted that the loading curves are contingent on the conditions (antecedent) and number of storms sampled.*

*Dr. Arsuffi inquired about the application of the results once the study is completed. Since the sampling will occur prior to installation of the Sessom Creek BMPs, it could be used as a baseline to assess the efficacy of the BMPs. However, this study will end after 2019 (after the BMPs) so we will not have a dataset to compare with the baseline.*

**5. Presentation and possible recommendation of the City of San Marcos/Texas State University (COSM/TXST) 2019 Work Plan (Attachments 2 and 3).**

*Melani Howard presented the 2019 City of San Marcos/Texas State Work Plan. For the submerged aquatic vegetation restoration, the contractors will implement a longitudinal approach to removing non-natives and preventing their spread to downstream treatment zones. Goals that have been reached per sections will not be planted and existing stands will be maintained. Mrs. Howard also explained that the Impervious Cover/Water Quality Protection team will present a final Sessom Creek design plan this fall, and BMP installation may begin in 2019.*

*Mr. Mosier motioned to approve the 2019 COSM/TSU Work Plan; Dr. Krietler seconded. No opposition.*

**6. Presentation and possible recommendation of the City of New Braunfels (CONB) 2019 Work Plan (Attachments 4 and 5).**

*Mark Enders presented the 2019 City of New Braunfels Work Plan. In 2019, the Spring Run 3 will undergo riparian restoration to help stabilize the banks, deter deer from wading in the springs, and eventually the leaf litter will provide organic matter for the animals within the Spring Run 3.*

*In 2019, CONB will try to reduce the spread non-naïve elephant ear by identifying and removing elephant ear along the upper reaches of Landa Lake. The city will partner with private land owners to seek permission to remove the non-native and potentially plant a native plant in its place.*

*Mr. Norris motioned to approve the 2019 CONB Work Plan; Dr. Kreidler seconded. No opposition.*

**7. Presentation and possible recommendation of the Edwards Aquifer Authority (EAA) 2019 Work Plan (Attachments 6 and 7).**

*Shaun Payne, EAHCP Senior Coordinator, presented an overview of the 2019 EAA Work Plan.*

*Mr. Norris motioned to approve the 2019 EAA Work Plan; Mr. Mosier seconded. No opposition.*

**8. Presentation and discussion on the possible creation and charge of a Science Committee Work Group (“Comal Spring riffle beetle Work Group”) to review Comal Springs riffle beetle biological monitoring activities (Attachment 8).**

*Shaun Payne, EAHCP Senior Coordinator, presented the Comal Springs riffle beetle (CSRB) Work Group Charge and membership.*

*Mr. Mosier motioned to approve the CSRB Work Group Charge; Dr. Weckerly seconded. No opposition.*

**9. Consider future meetings, dates, locations, and agendas.**

- Science Committee Meeting on August 9<sup>th</sup>, 2018 at the San Marcos Activity Center.

**10. Questions and comments from the public.**

*No questions or comments from the public*

**11. Adjourn.**

*Meeting adjourned at 4:15pm*