

2017 Basin Steering Committee Meeting

- Lee Gudgell: GBRA
 - Overview of Water Quality Monitoring for Conventional Field & Bacteria, Biological & Habitat, 24 Hour DO
 - FY18-19 CRP Budget
 - Same budget
 - Reviewed Priority Water Bodies
 - Data Reporting
 - Basin Highlights Report for FY17
 - Basin Summary Report for FY18
- Tara Bushnoe: UGRA
 - Kerr County – upper reaches of Pedernales and Guadalupe River
 - Monitoring locations for CRP and in-house water quality monitoring program
 - Hunt (North Fork) vs. Waring (most Eastern site)
 - Scatter plot data between two sites
 - Access data on GBRA website or TCEQ (www.tceq.texas.gov/waterquality)
 - Public Outreach Activities
- Will Butler & Michael Jones: Wimberley Valley
 - Michael will be contact going forward
 - Cypress Creek/Blanco River Confluence
 - E.coli increasing
 - WVWA monitoring
 - Created new site at Deer Creek/Blanco River confluence in Oct. 2016
 - Cypress Creek Data & Blanco River Data
 - Fecal Coliform data at varying sites and trends
 - Current & Future Monitoring Activities on Cypress Creek
 - Future WPP monitoring
 - Bacterial Source Tracking
 - Future comprehensive watershed data report
- Clint Robertson: Texas Parks and Wildlife
 - Why are mussels important
 - Excellent indicators of water quality, filter feeders, important part of aquatic food web
 - Filtering capabilities
 - Mussel habitat requirements

- Substrate, depth, water velocity, complex hydraulic variables (water and bed interface)
- Mussel Life History
 - Breeding, spawning, transport through fish host, settlement
- Why are mussels at risk
 - Freshwater mussels one of the most at risk
 - Poor water quality, immobility, habitat alterations, loss of fish hosts
- Mussels in Texas
 - ~ 52 species
 - 15 species on state threatened list
- TPWD funded research
 - Lower Guadalupe River Basin
 - Quantitative mussel survey from Gonzales to Victoria
 - 21,119 total mussels collected – 13 species
 - Habitat requirements for species
 - Temperature
 - Vertical migration
 - Upper thermal tolerance
 - Age & Growth
 - Fish Hosts - don't know what these hosts are in Texas
 - Contaminants Assessment
- Bob Hall: EAA
 - Incidental Take Annual Report
 - Species in the report
 - National Academy of Sciences
 - Hydrologic modeling-ecological modeling
 - Applied research projects
 - Data access for research and management of systems
 - Water quality and biological monitoring programs
 - Refugia for EAHCP covered species
 - Provide refugia operations, research, propagation & husbandry, reintroduction, reporting, meetings & presentation
 - Stocking overview
 - Riffle Beetle Life Study
 - 2 males to every female
- Lisa Arceneaux: LID construction
 - True Grid Parking Lot

- Biofiltration area
- Plum Creek watershed – Caldwell County Justice Center (319 Grant)
 - 2 acre parking lot
 - Steps for installation – general contractor
- Texas State River House & Saltgrass Paver parking lots
- Outfall testing & infiltration testing
- Tommy Hill: Log Jam Removal
 - History & Recent History of GBRA
 - Recent removals
 - Break loss and guide down
 - Stack and burn
 - Year to year basis, have to get contractors for major events
- Watershed Protection Planning
 - Ward Ling: Geronimo Creek
 - Field Technician – USDA/NRCS office for ag producers
 - LID Structures at Irma Lewis Seguin Outdoor Learning Center
 - Homeowner Septic System Maintenance Classes
 - Lone Star Healthy Streams Workshop
 - Feral Hog Control, specialist
 - Seguin High School/Navarro High School
 - Mark Enders: Dry Comal/Comal Creek
 - Develop a Watershed Protection Plan
 - Proposed BMPs
 - Overabundance or Urban Wildlife – education & outreach
 - Urban Stormwater
 - Livestock
 - Septic Systems/OSSFs
 - Feral Hogs
 - CRP monitoring locations
 - Dry Comal listed on 303(d) list
 - Additional monitoring
 - Bacterial Source Tracking – late 2016
 - High percentages of wildlife
 - Meredith Miller: Cypress Creek & Upper San Marcos
 - Cypress WPP
 - LID & green infrastructure (Fast Track Ordinance Process)
 - Dual city/county overview

- Land management, conservation study
 - Bacterial Source Tracking
 - Water Quality dashboard
- San Marcos Watershed Initiative
 - Coordinated Efforts – University, HCP, City Planning & Land Development
 - LID & Green infrastructure
 - Stormwater efforts
 - Land conservation and management
- Coordination of watershed protection plan programs – regional approach
- Nick Dornak: Plum Creek
 - Growth in counties
 - E.coli results from sampling sites
 - 2017 Activities
 - BST, 6 months into sampling
 - Feral Hog bounty reinstated
 - LID at 3 locations (Caldwell County Justice Center, City of Kyle WWTF Administrative Building, Lockhart)
- Cinde-Thomas-Jimenez: Riparian Education
 - Teaching of water quality activities at the ILSOLC
 - Geocaching Activity
 - Riparian Flash module