

USPP Technical Committee

Proposed New Structure & Request for Approval

Presented to Upper San Pedro Partnership-
Partnership Advisory Commission, 8/8/18

New Technical Committee Vision Motivated by

Science needed to support USPP member goals:

- Increase groundwater sustainability
- Track hydrologic status and trends of the SVSW
- Monitor and/or research to support above

And, to meet the Technical Committee purpose statement :

To coordinate and cooperate in the identification, development and utilization of science and technical information to assist in meeting water needs in the Sierra Vista Subwatershed of the Upper San Pedro River Basin.

(Approved 9/13/17)

New Technical Committee Duties/Tasks

(Approved 9/13/17)

1. Update and use the [USGS groundwater model](#) for the Upper San Pedro Basin
2. Conduct annual [review and reporting of sustainability indicators](#)
3. Host an [annual "science summit"](#) to exchange info with decision makers and the public, including previous findings and future information gaps
4. [Science support for member agency](#) needs for research, monitoring or projects
5. [Make science-based information available](#) for decision-makers and public outreach
6. Better [integrate our work with and receive input](#) from other partners on key technical issues
7. Technical Committee [planning](#)

Technical Committee Work Plan:

- Tech Comm now maintains an ongoing work plan
- Anchored around our 7 Duties
- Updated together at monthly Tech Comm meetings
- Red highlighted items indicate when we need to iterate with either PAC or Ex Comm

DUTIES	APR-JUN 2018 (No May)	JUL-SEP 2018	OCT-DEC 2018	JAN-MAR 2019
Update/use USGS gw model				
Conduct annual review and reporting of sustainability indicators	Apr-Jun/DONE: USGS Water Level reporting- Regional aquifer wells/transect (May), Alluvial Aquifer wells (June)	SCHEDULED 1. Aug: June low flow (Russ/ARS) 2. Aug: Vertical gradient Water Level reporting (BG)	Oct/Nov/Dec: Water Level reporting at each meeting (BG); Wet/Dry Mapping (BB)	Jan/Feb/Mar: Water Level reporting at each meeting (BG)
Organize and host annual "science summit"	Jun/DONE: Malpai Borderlands (Peter Warren, Rich Winkler) presents on State of the Science annual meeting process	1. Aug-Sep: Plan for Mini/Pilot Science Summit (~Nov 14 PAC timeline): Data analysis needs (may include budget request to fund USGS data analysis) 2. Aug/Sept: Ex Comm Admin fund request for Mini/Pilot Science Summit; Web Portal	1. Oct: Summit Tech & PAC work group meet to plan 2. Mid-Nov/Early Dec: Hold Mini/Pilot Science Summit (around Nov 14 PAC timeline)	Jan: Joint follow up meeting with PAC Summit Work Group to refine outcomes
Science support for Member Agency technical needs for research, monitoring or projects		TBD: Ph 1 Report on Regenerative Ag Plan for increasing stormwater infiltration and carbon sequestration (KR)	TBD: CCRN ephemeral streamflow monitoring results for project sites (GSA/JEF)	
Make science-based information available for decision makers and public outreach	1. Apr-Jun: Website work group draft site updates 2. Apr-May: Web portal work group draft proposal	1. Jul-Aug: Website work group apply website updates 2. Jul-Aug: Webportal work group determine BOR grant applicant	1. Oct-Dec: Website work group draft site reorganization 2. Oct/Nov-Dec/Jan: Web portal work group develop and submit BOR Applied Science grant	1. Jan-Feb: Website work group reorganize site 2. Jan: Web portal work group develop and submit BOR Applied Science grant
Integrate our work w/& receive input from other partners on key tech issues		1. Aug: GW Capture and Depletion (USGS)	Sept/TBD: Convective Rainfall Analysis tool (ARS)	
Technical Committee planning		1. Aug 8: SCHEDULED Present refined Technical Committee recommendation to PAC	1. Oct 24 Ex Comm: Admin \$ for Mini Science Summit; Update on Web portal	

New Technical Committee Organizational Structure and Operating Protocols

REQUESTIONG APPROVAL, Today (8/8/18)

1. Membership
2. Appointment
3. Decision Making
4. Organization and Meetings

Membership

MEMBERS = Regular members AND Science or Technical Advisors

Science/Technical Advisors are responsible for making Committee recommendations when requested

Appointment

PROCESS

1. Written designation of Primary and Alternates representatives submitted to Tech Committee Chairs by PAC member agencies by Quarter 1 annually
2. Indicate whether Primary/Alternate reps are “Regular” or “Advisor” Members
3. If “Advisor”, submit 150-word biography, including academic and/or professional experience per the list (on following slide)
4. Technical Committee will review and accept the designations
5. Biographies sent to Administrative Support for posting to website

Appointment- Science/Technical Advisors

Advisor Disciplines- academic and/or professional experience:

- Hydrology, in areas of Groundwater, Surface water, Ecohydrology
- Geomorphology
- Vegetation/Riparian habitat management
- Water quality
- Hydrological and Geomorphological modeling
- Engineering related to water infrastructure
- Spatial analysis
- Evapotranspiration & Climate
- Monitoring program design
- Other areas deemed relevant by Tech Comm in the future

Decision Making for technical information or recommendations

- By consensus of the Science/Technical Advisor Members
- Need majority of Advisors present- Chair is responsible for tally
- Only 1 Advisor per member agency participates in decision making
- Dissenting concerns will be noted in minutes

Organization and Meetings

- CHAIR and VICE CHAIR designated by consensus, must be Advisors, Q1 even-# years, unlimited terms
- Establishment of SUB COMMITTEES or WORK GROUPS by Chair
- SCRIBE can be any Member and annually selected by Chair
- ADMIN SUPPORT designated by fiscal agent for general Committee meeting support
- FREQUENCY no less than quarterly
- REMOTE MEETING ACCESS will be made available

Requested Motions:

1. Approval of revised Technical Committee Organizational Structure and Operating Protocols.
2. For PAC to solicit members to revise the PAC sections of “USPP Organizational Structure and Operating Protocols” (dated Sept, 2007) to be consistent with the new Technical Committee changes.

Technical Committee Vision to enact our Purpose

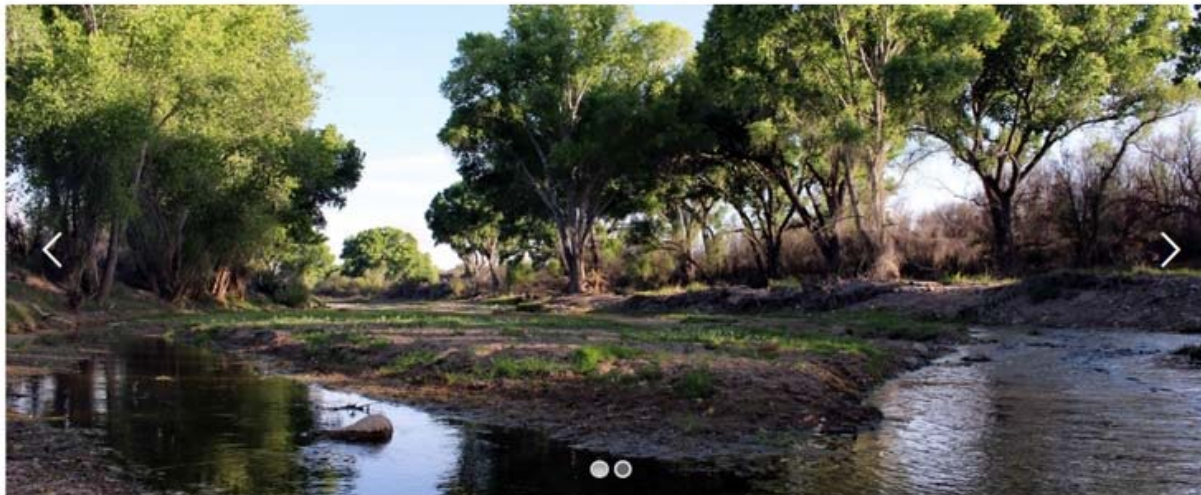
*To coordinate and cooperate in
the identification, development and utilization of science and technical information
to assist in meeting water needs in the Sierra Vista Subwatershed
of the Upper San Pedro River Basin.*

We propose to make science-based information available for decision makers, to support adaptive management efforts, and for public outreach available through three venues:

1. A reorganized, science focused **USPP Website**,
2. A Sierra Vista Subwatershed **Web-Based Information Portal**, and
3. An annual **Science Summit**



ABOUT ▾ PLANNING & PROJECTS ▾ LIBRARY ▾ LINKS PROJECTS ▾ CALENDAR ▾ PRESS ▾ CONTACT Q



New design (2017)
Update Content (2018)
Reorganize Content (2018-19)

Website

Work Group Leads:

Sharon Flissar (Sierra Vista)
Tice Supplee (Audubon)

Goals:

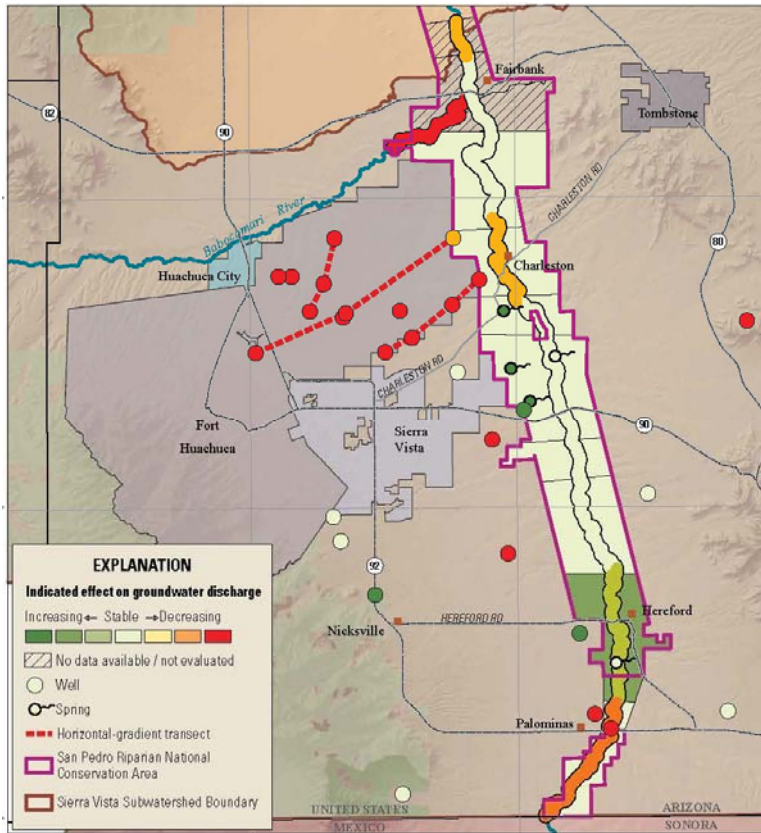
- Clear display of/ access to information, i.e. reports, publications, presentations, tools, expertise
- Demonstrate amount time, money, energy already invested in SVSW to leverage future needs

Web-based Information Portal

Work Group Leads:
Bruce Gungle (USGS)
Dave Murray (BLM)

Goals:

- Clear access to near real-time data and annual analysis of SVSW trends
- Framework established by 14 indicators of groundwater sustainability (2016 USGS SIR)
- Tool for tracking benefits of projects and programs
- Support adaptive management programs for land managers
- Anchor for annual Science Summit



Determine applicant & Draft (Sept)
Anticipated BOR Grant (Oct-Jan)
If funded, Build Portal (2018-2020)



Mini/Pilot Science Summit (2018)
Prioritize FY20 Needs (2019)
Plan for larger summit (Fall 2019)

Science Summit

Work Group Lead:
Brooke Bushman (TNC)

Goals:

- Engage USPP in reviewing the science, trends together in a new venue
- Inform fiscal year prioritization for projects and/or monitoring aimed at adaptively managing water in the region
- Modeled on effective and long-lived “Science on Sonoita Plain” and “Malpai State of Science” summits
- Engage public, if desired

Immediate Science Summit Questions/Needs

1. **Final PAC '18 meeting:** Pilot mini-science summit off-site, new venue?
2. **Audience:** USPP only or include the public?
3. **Topics:**
 - Sustainability indicator trends
 - State of the Watershed
 - Tour partner projects, monitoring sites, other key sites
 - Other ideas?
4. **PAC Liaison:** Request Science Summit liaison to ensure summit aligns with PAC member agency needs/visions
5. **Budget:** Will likely request USPP funds for implementation.

Thank you

