

Subcommittee on Ground Water

Monday April 15, 2019

Noon Eastern, 11 Central, 10 Mountain and 9 am Pacific

Draft Minutes

Attachment 1 – Draft Agenda for Monday April 15, 2019

Attachment 2 – Draft SOGW Minutes – Monday, March 18, 2019

Attachment 3—Second FY19 Funding Notice

Attachment 3—Changes to 2020 Program Announcement

Time	Topic	Discussion Leader
Noon	<p>Welcome and Attendance</p> <ul style="list-style-type: none"> • Bill Cunningham, federal co-chair, USGS representative* • Bob Schreiber, non-federal co-chair, ASCE representative* • Lauren Schapker, executive secretary, NGWA • Brandon Kernan, ASDWA Stephen Roy, ASDWA representative, Darrel Osterhoudt, alternate* • Cary Betz, State Representative* • Chris Carlson, Forest Service* • Dave Langseth, NGWA representative* • Kara Goodwin, EPA representative* • Mary Musick, GWPC representative* • Dave Wunsch, AASG representative* • Jeffrey Davis, Barr • Adam Hobson, In-Situ • Treasure Bailey, EPA Region 8 • Tim Parker, Parker Groundwater • Daryll Pope, USGS • Dave Larson, Retired, IL St. Geo Survey • Joe Fillingham and/or Marian Singer, Wellntel • Kathleen Fultz, Water Quality Association • Chuck Job, NGWA • Rick Copeland, FL DEP • Johanna Kovarik, Forest Service • Candice Hopkins, USGS • Lori Huntoon, ASTM • Tom Nicholson, NRC • Joe Gurrieri, USFS • Lily Barkau, WY DEQ • Luke Buckley, MT Bureau of Mines and Geology • Chuck Schalk, USGS • Adrienne Bartlewitz, USGS • Joe Williams, US EPA ORD • John LaFave, MT Bureau of Mines and Geology • Dan Sullivan, USGS • Alan Kolok, University of Idaho • Alice McCarthy, USGS 	Bob

* Voting organization representative/alternate per Terms of Reference

12:05	<p>Call Purpose</p> <ol style="list-style-type: none"> 1. Status Report: ACWI Update 2. Status Report: Cooperative Agreements 3. Status Report: NGWMN Portal 4. SOGW Workgroups 5. Outreach Report 	Bob
	Business Portion	
12:07 P	<p>Approval of agenda – additions/deletions (Attachment 1) Opportunity to add to the agenda</p> <p>Alice McCarthy introduced herself and her work on the development team that's working on the data portal and well registry. She works with Candice on project management and will be covering for Candice, while Candice is on maternity leave. She is based in Middleton, WI.</p> <p>Expected Outcome: Approve agenda</p>	Bob
12:09 P	<p>Approval of previous minutes (Attachment 2)</p> <p>The minutes from the previous meeting were approved.</p> <p>Expected Outcome: Approve minutes</p>	Bob
	SOGW Work Items	
12:10 P	<p>Status Report: ACWI Update</p> <ul style="list-style-type: none"> • ACWI Membership • Annual Meeting status <p>Dan updated the group on the ACWI membership process. USGS is working on filling out federal nominees for ACWI and will be sending them to DOI to begin vetting, which will take 3-6 months.</p> <p>The ACWI coordinator position has not been filled. Dan Sullivan indicated that he continues to serve as interim ACWI coordinator.</p> <p>Timing for an ACWI Annual Meeting would not be until fall at the earliest.</p> <p>Dan advised the SOGW should not start new projects until an ACWI membership is in place. Existing work can continue.</p> <p>Bob asked Dan to investigate whether activities approved under the new Terms of Reference, like planning for the new workgroups can continue.</p> <p>Expected Outcome: Information Exchange</p>	Bob
12:11 P	<p>Status Report: Cooperative Agreements</p> <ul style="list-style-type: none"> • Existing cooperative agreements • New proposals/Award status • Changes to 2020 Program Announcement 	Daryll

	<p>Daryll provided information on the second round of FY19 funding, which opened up on Friday, April 12th. The opportunity will be open until the end of May. The opportunity is open to anyone who may have already applied or to new providers.</p> <p>Daryll urged the ACWI SOGW to encourage potential or existing data providers to apply. He has circulated the announcement to existing and potential data providers, and getting reinforcement from other groups would be helpful.</p> <p>Members of the Program Board reinforced the need to get the word out quickly.</p> <p>2020 Program Announcement</p> <p>Daryll provided information and timing on the FY20 Program Announcement. Given timing, it may need to be open a little later than in years past.</p> <p>Daryll provided clarification that tribes are still not eligible, but Daryll is working on finding ways to open it up.</p> <p>Daryll provided an overview of changes to the Program Announcement and asked for comments on the revisions to the program announcement. The proposed revisions were circulated to the group.</p> <p>The revisions provide more details to produce better proposals and seeks better project clarifications/justifications.</p> <p>Bill thanked the Program Board for bringing this forward.</p> <p>Expected Outcome: Information Exchange</p>	
12:35 P	<p>Status Report: NGWMN Portal</p> <ul style="list-style-type: none"> • Status of ongoing work • Upcoming work <p>Candice reported there is a new development team in place to focus on USGS Internet of Water work. The team has yet to meet, but the focus will be on products like NGWMN. Foundational work for this has taken up a lot of time recently.</p> <p>Recent efforts have focused on problems with well registry where data is not showing up, despite sites being registered. Her team realized they need to serve data in a way that's accessible to more users.</p> <p>Candice asked the SOGW for their views on reporting water levels that are above land surface. Currently those data are thrown out of the statistics calculation.</p> <p>The group discussed potential concerns about negative calculations and how the "depth below land surface" statistics could affect NGWMN users who are interested in groundwater modeling. Bill noted that the primary goal should be to make sure all of the information (metadata) is available so all users can adjust the data as necessary. Additionally, all data must be</p>	Candice

	<p>used (at least all “approved” data) when computing statistics – whether an observation is above LS, below LS, positive, or negative.</p> <p>Candice also discussed when calculating percentiles, whether the latest percentile should be based for the most recent month or latest of entire data set, when putting together a map. The group discussed challenges with both approaches and how to compare relevant times of year. Comparison with the month in history was agreed to as consensus.</p> <p>Expected Outcome: Information Exchange: Recommend approach.</p>	
12:40P	<p>SOGW Workgroups</p> <ul style="list-style-type: none"> • GW Quantity/Use • Groundwater/Surface Water Exchange • Citizen Science Groundwater Levels or Quality • GW Modeling <p>This discussion was postponed.</p> <p>Expected Outcome: Information Exchange</p>	WG Leads
12:50 P	Outreach Report	
	<p>Upcoming Outreach:</p> <ul style="list-style-type: none"> • National Water Quality Monitoring Council Conference March 25-29, Denver Colorado Over 900 water quality professionals attended. The NWQMC had a booth, which included some NGWMN materials and ACWI materials. Candice will work to make outreach materials available. • US/Mexico Groundwater Summit hosted by the International Boundary and Waters Commission, April 10-12, 2019. Bill attended and noted that data/data-sharing is gaining importance in the region. Nothing expected immediately, but Bill will continue to pursue progress in the model of US/Canada cooperation. • Federal Remediation Technologies Roundtable Meeting, May 22, 2019, “Modeling in Support of Site Remediation”, Reston, VA (https://frtr.gov/meetings.htm) Tom provided information on the agenda available at the link. • Groundwater Week, December 3-5, 2019 Las Vegas, NV Lauren reminded the group of the abstracts submission deadline. • GWPC: Annual Forum in Oklahoma City on September 15-17; Call for presentations is open. Closes on April 20. There will be one session geared toward monitoring techniques and data management. Lauren will circulate that to the group. <p>Other past or upcoming events to share?</p>	<p>Bob Candice</p> <p>Bill</p> <p>Tom</p> <p>Bob/Lauren</p>
	Adjourn	
1:00 P	Next Meeting—Monday, May 20, 2019	Bob

Status of New Directions SOGW Workgroups		
Group topic	Group lead	Group status
GW Quantity and Usage	Daryll Pope	Pending ACWI approval; may adjust based on future Subcommittee? The group is not interested in playing

* Voting organization representative/alternate per Terms of Reference

Attachment 1

		a role in citizen science, however it will work to ensure groundwater in a part of the conversation in water use discussions. They will also provide advice on groundwater use data collection.
Citizen Science	Bill Cunningham	Pending ACWI approval; initial stages. While the federal government can play an important role in “intellectual infrastructure” this is predominantly a local topic. The group will keep in touch with the NWQMC’s voluntary monitoring group.
GW/SW Interaction	Tim Parker	Pending ACWI approval; have had initial calls. Discussed educational importance and the importance of mapping or overlays to better demonstrate a connection. Groundwater dependent ecosystems. Terminology was also discussed in determining groundwater’s interest in surface water. Encourage interagency collaboration.
GW Modeling	Bill Cunningham	Pending ACWI approval; still seeking volunteers (Cunningham, Schreiber, Job, Davis, Nicholson, USGS staff...). Strawman charter started. Coordination with NGWA and others is ongoing. WG can influence federal model development and applications, and play a role in enhancing communication between modelers and others.
Outreach?		