

Subcommittee on Ground Water

Monday, March 19, 2018

Draft Minutes

Conference Call

Attachment 1 – Draft Agenda for Monday, March 19, 2018

Attachment 2 – Draft SOGW Minutes –February 20, 2018

Attachment 3 – Water Use One-Pager

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 Kernen, 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, LBG Guyton • Janice Hiller, In-Situ • John Yellich, Michigan Geological Survey • Jessica Lucido, USGS • Treasure Bailey, EPA Region 8 • Tim Parker, Parker Groundwater • Daryll Pope, USGS • Mike Wireman, Granite Ridge Groundwater • Dave Larson, Retired • Joe Fillingham, WellIntel • Marian Singer, WellIntel • Kathleen Fultz, Water Quality Association • Chuck Job, NGWA • Rick Copeland, FL DEP • Mike Woodside, USGS • Johanna Kovarik, Forest Service • Candice Hopkins, USGS • Lori Huntoon, ASTM • Tom Nicholson, NRC • Joe Gurrieri, USFS • Mark Everett, LANL • Adrienne Bartlewitz, USGS • Lily Lee, WY DEQ • Molly Maupin, USGS • Tom Ehrhard, NRC 	Bob/Bill

* Voting organization representative/alternate per Terms of Reference

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12:05	<p>Call Purpose</p> <ol style="list-style-type: none"> 1. Status Report: Cooperative Agreements 2. Status Report: NGWMN Portal 3. New Directions 4. Outreach Report 	Bob/Bill
	Business Portion	
12:07 P	<p>Approval of agenda – additions/deletions (Attachment 1) Opportunity to add to the agenda</p> <p>Molly Maupin from USGS introduced herself and the rest of the USGS Water Use team, who presented later in the call.</p> <p>Expected Outcome: Approve agenda</p>	Bob/Bill
12:09 P	<p>Approval of previous minutes (Attachment 2)</p> <p>Daryll asked to provide clarifying comments to the minutes. The minutes are approved with clarifying comments.</p> <p>Expected Outcome: Approve minutes</p>	Bob/Bill
	SOGW Work Items	
12:10 P	<p>Status Report: Cooperative Agreements</p> <ul style="list-style-type: none"> • Existing Data Providers • New Awards/Data Providers <p>Daryll provided updates on the plans for funding, and the notification of the award recipients. Once the budget is settled for the remainder of FY18, he will begin coordinating starting dates for new projects and will have a potential timeline for funding.</p> <p>Daryll also reported on the new paperwork approvals and the program announcement, which will be revised based on feedback from the Program Board at the review meeting. A draft program announcement will be circulated to the Program Board. This year’s announcement must include a section on revisions from previous announcements. Following questions about availability of the program announcement, Bill and Daryll provided additional background.</p> <p>Existing data providers have been self-sufficient lately, so Daryll is preparing to begin work with new data providers scheduled to start new projects this summer.</p> <p>Expected Outcome: Information Exchange</p>	Daryll
12:15 P	<p>Status Report: NGWMN Portal</p> <ul style="list-style-type: none"> • Status of ongoing work • Upcoming work <p>Daryll provided updates on the portal in Candice’s absence. Candice worked on several new data providers updates: AZ DWR’s water level lithology and construction data has been mapped and they hope to begin</p>	Daryll

	<p>serving data soon. MN PCA has been serving WQ data and Candice' team has been working to get lithology services set up next month. Daryll also provided an update on the efforts to get the data providers over to the new mediator. He provided additional background on the rationale for the mediator following questions from the group, noting the move to the new mediator is just a result of routine upgrades. He also reported that most data providers will only experience minor changes with the move. The switch to the new mediator will also ensure that all information is up-to-date.</p> <p>Expected Outcome: Information Exchange</p>	
12:25P	<p>New Directions: Discussion Topics</p> <ul style="list-style-type: none"> • GW/SW Interaction Update • Water Use/quantity (Attachment 4) • Next Topic? (Regional Issues; Transboundary Themes; Integrated modeling and monitoring; Innovative monitoring techniques; PWS Wells; GW Modeling; Remote Sensing; Recorder data) <p>Because of new participants on the call, Bill provided a brief background on how we got to the New Directions phase and reminded call attendees of the important role that volunteers will play around getting some of these topics fleshed out.</p> <p>GW/SW Interaction: Bill provided an update on Tim's behalf from the GW/SW interaction group, noting Tim said another conference call is forthcoming. Bob highlighted the work NGWA's Groundwater Modeling Advisory Panel is doing and suggested they might be able to work with the GW/SW group. Mary noted that water quality impacts to states must be looked at when examining gw/sw interaction. Bill reported on behalf of Kara on how some systems could be misclassified as groundwater systems and that EPA could be looking at possible revisions for the surface water treatment rule at EPA.</p> <p>Bob would like to make sure Tim arranges an additional meeting in order to have another presentation from this group in the future.</p> <p>Water Use: Molly Maupin provided an overview of USGS Water use program, referencing a one-page document she circulated to the group. USGS Water Use compilation data comes out in 5-year increments in different categories and geographic areas via 2 databases. The Water Use compilation for 2015 is in its final stages now, which will include putting out data by county level by principal aquifer, and they hope to release it by the end of this year. The next iteration will also contain information on irrigation and thermoelectric power.</p> <p>Molly noted her team is also completing compilation of public supply intake systems for their site-specific database, which she hopes will be completed this year. Under the SECURE Water Act, the Water Use team is also working on a conceptual model of water use at unconventional oil and gas operations.</p> <p>Molly discussed the idea circulated in the one-pager, regarding self-supplied domestic use, including the activities, intensity, and what impacts</p>	Bill

	<p>it has on groundwater. Her team is collaborating with the WSWC's WADE services.</p> <p>Following Mary's question on the oil and gas project, Molly said they're looking at both fresh water and produced water for the project in order to determine holistic impacts. Mary offered assistance from GWPC and suggested taking into consideration water reuse.</p> <p>Tom Nicholson asked how project interfaces with what river basin commissions are doing. Molly noted the work at water science centers is in collaboration with river basin commissions.</p> <p>Bob suggested opportunities to promote the work the Water Use has been doing by working with other organizations like NGWA, GWPC, EPRI, and ASDWA.</p> <p>Mary and Molly discussed challenges in getting registration and reporting data, and whether algorithms could help get at the data in reverse to bypass this challenge. She asked if algorithms exist for trying to get at water use from backwards. Metering individual wells still proves problematic.</p> <p>Bill asks for volunteers to lead this group: Daryll, Joe F, Mary, Dave Langseth.</p> <p>Bill, Bob and Lauren will regroup to determine how to boost participation and volunteers for future calls in May/June.</p> <p>Expected Outcome: Information Exchange; Discussion</p>	
12:50 P	Outreach Report	
	<p>Previous Outreach:</p> <ul style="list-style-type: none"> • NGWA Groundwater Fly-In, March 6-7, Washington, D.C. Lauren provided quick highlights of the event, including speakers from DOI who talked about the NGWMN and Hill visits to 70 offices on the topic. • AASG Washington Visits: Bill provided quick highlights from the trip to Washington by AASG. In addition to stakeholder meetings and Hill visits, they also honored Senator Maria Cantwell at a dinner. <p>Upcoming Outreach:</p> <ul style="list-style-type: none"> • NGWA Groundwater Summit (Dec 3-4, 2018 in Las Vegas). The deadline for the call for papers is April 20. • AASG Annual Meeting (June 3-7, 2018 in Rehoboth Beach, DE): Daryll will be providing a talk on the NGWMN at the AASG meeting • AWRA conference "The Science, Management and Governance of Transboundary Groundwater" July 9-11, 2018 Fort Worth. • Tom Nicholson noted an upcoming public meeting on modeling, where Don Cline will be speaking on the National Water Model. <p>Other events?</p>	Various
	Adjourn	
1:00 P	Next Meeting—Monday, April 16, 2018	Bob/Bill

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