

## Subcommittee on Ground Water

Monday, August 20, 2018  
Meeting Minutes  
USGS Headquarters, Reston, VA

Attachment 1 – Draft Agenda for Monday, August 20, 2018

Attachment 2 – Draft SOGW Minutes –July 16, 2018

| Time  | Topic   | Discussion Leader |
|-------|---|-------------------|
| Noon  | <p>Welcome and Attendance (<b>Bold</b> indicates present)</p> <ul style="list-style-type: none"> <li>• <b>Bill Cunningham</b>, federal co-chair, USGS representative*</li> <li>• <b>Bob Schreiber</b>, non-federal co-chair, ASCE representative*</li> <li>• Lauren Schapker, executive secretary, NGWA</li> <li>• Brandon Kernen, ASDWA representative, Darrel Osterhoudt, alternate*</li> <li>• <b>Cary Betz</b>, State Representative*</li> <li>• <b>Chris Carlson</b>, Forest Service*</li> <li>• Dave Langseth, NGWA representative*</li> <li>• <b>Kara Goodwin</b>, EPA representative*</li> <li>• <b>Mary Musick</b>, GWPC representative*</li> <li>• <b>Dave Wunsch</b>, AASG representative*</li> <li>• <b>Jeffrey Davis</b>, LBG Guyton</li> <li>• Janice Hiller, In-Situ</li> <li>• Treasure Bailley, EPA Region 8</li> <li>• Tim Parker, Parker Groundwater</li> <li>• <b>Daryll Pope</b>, USGS</li> <li>• <b>Dave Larson</b>, Retired, IL St. Geo Survey</li> <li>• <b>Joe Fillingham</b>, WellIntel</li> <li>• Marian Singer, WellIntel</li> <li>• Kathleen Fultz, Water Quality Association</li> <li>• Chuck Job, NGWA</li> <li>• Rick Copeland, FL DEP</li> <li>• <b>Mike Woodside</b>, USGS</li> <li>• Johanna Kovarik, Forest Service</li> <li>• <b>Candice Hopkins</b>, USGS</li> <li>• Lori Huntoon, ASTM</li> <li>• Tom Nicholson, NRC</li> <li>• Joe Gurrieri, USFS</li> <li>• Mark Everett, LANL</li> <li>• Lily Barkau, WY DEQ</li> <li>• <b>Chuck Schalk</b>, USGS</li> <li>• <b>Adrienne Bartlewitz</b>, USGS</li> <li>• <b>Luke Buckley</b>, MBMG</li> </ul> | Bob               |
| 12:05 | <p>Call Purpose</p> <ol style="list-style-type: none"> <li>1. Status Report: Cooperative Agreements</li> <li>2. Status Report: NGWMN Portal</li> <li>3. Status Report: Portal Strategic Plan</li> </ol>   | Bob               |

\* Voting organization representative/alternate per Terms of Reference

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|         | <p>4. Using Data Standards in the NGWMN</p> <p>5. Workgroup Updates</p> <p>6. Outreach Report</p>  |        |
|         | <b>Business Portion</b>  |        |
| 12:07 P | <p>Approval of agenda – additions/deletions (Attachment 1)</p> <p>Opportunity to add to the agenda</p> <p>One brief news item was added to the agenda. Adrienne Bartlewitz and Candice Hopkins reported some news about the Advisory Committee on Water Information (ACWI)</p> <ul style="list-style-type: none"> <li>The Advisory Committee on Water Information (ACWI) charter has been signed and the congressional notification letters have been mailed. The charter is on the ACWI web site (<a href="https://acwi.gov/a_2018_charter_zinke_6_29_2018.pdf">https://acwi.gov/a_2018_charter_zinke_6_29_2018.pdf</a>) and is on the Federal Register (<a href="https://www.federalregister.gov/documents/2018/08/13/2018-17331/notice-of-renewal-of-the-advisory-committee-on-water-information">https://www.federalregister.gov/documents/2018/08/13/2018-17331/notice-of-renewal-of-the-advisory-committee-on-water-information</a>).</li> <li>Adrienne and Candice Hopkins have a meeting with the DOI FACA person on Monday to discuss the ACWI membership.</li> <li>Bob asked about changes in ACWI organizational membership, and if that would change at the Subcommittee level. Adrienne reported that we are unsure at this time about ACWI membership changes – it will depend in part on the Federal Register notice. She does not expect there to be changes at the Subcommittee level, though Candice said there has been some discussion that ACWI reps may not be permitted to serve on Subcommittees. Nothing firm has been determined, however.</li> </ul> <p><b>Expected Outcome: Approve agenda</b></p> | Bob    |
| 12:09 P | <p>Approval of previous minutes (Attachment 2)</p> <ul style="list-style-type: none"> <li>Meeting minutes from July 16 were approved as distributed.</li> <li>Bob asked to check with Lauren to see if we need to approve the meeting minutes from the June meeting.</li> </ul> <p><b>Expected Outcome: Approve minutes</b></p>  | Bob    |
|         | <b>SOGW Work Items</b>   |        |
| 12:10 P | <p>Status Report: Cooperative Agreements – Daryll Pope reported.</p> <ul style="list-style-type: none"> <li>Existing Data Providers – the USGS continues to work with Data Providers on their deliverables from the FY17 awards.</li> <li>Program Board Vacancies—The SOGW vacancy on the Program Board will be filled with the Co-Chair position. One co-chair will represent the SOGW at the annual Program Board meeting, and any other Program Board activities. There are still 2 Board openings—one in the East and the Central. There is some interest in the Central region vacancy, but Daryll is looking for someone from the East. The annual proposal review meeting will be placed on the calendar soon – likely in January 2019.</li> </ul>  | Daryll |

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|         | <ul style="list-style-type: none"> <li>• FY19 Funding Opportunity Status – the 2019 RFP will be issued during the same period as last year, Sept - Nov. It will be released next week. Daryll will share the information with Lauren, so Lauren can distribute it to the SOGW mailing list. The USGS asks that all SOGW participants reach out within your sphere of influence to communicate the 2019 opportunity. A USGS Technical Announcement (new release) will come out on September 4. The deadline for responding will be November 30, 2018. Daryll plans to share this information with all existing Data Providers.</li> <li>• New 2018 awards – no additional 2018 awards have been issued since last month. A couple are close. He will mention them on the next call.</li> </ul> <p><b>Expected Outcome: Information Exchange</b></p>   |         |
| 12:15 P | <p>Status Report: NGWMN Portal... Candice reporting</p> <ul style="list-style-type: none"> <li>• Status of ongoing work – lots of progress has been made over the past month. Some additional \$\$ was provided, and some additional developers were made available. They are developing “site pages” for each NGWMN site. These site pages will open in a new tab your browser. It will be faster, and also more discoverable for internet searches. They have been doing some background work, and the new pages are expected by the end of Sept or the end of Oct. They look fantastic!</li> <li>• The statistics micro-services are still under development. Should be deployed soon – by the Sept or Oct SOGW meeting</li> <li>• The team has fixed a few bugs – NHGS was serving hourly vs daily water levels, for instance. Fixing that. WY DEQ WQ services are ready—just need to populate sites. NE DNR water level services should be up next month.</li> </ul> <p><b>Expected Outcome: Information Exchange</b></p> | Candice |
| 12:20P  | <p>Status Report: NGWMN Portal Strategic Plan. Daryll reporting:</p> <ul style="list-style-type: none"> <li>• Update from the 4<sup>th</sup> meeting a week ago. The WG has gone thru the document. The next step is to take the long- and short-term goals, evaluate them, and re-write.</li> <li>• The spreadsheet to solicit priorities was issued to the WG last week. He has about half of them back (deadline was last Friday). Remaining rankings must be in by tomorrow.</li> </ul> <p><b>Expected Outcome: Information Exchange</b></p>   | Candice |
| 12:25 P | <p>Presentation: Using Data Standards in the NGWMN. Candice presented. The presentation will be shared with the meeting notes, and posted in the web site.</p> <p>Candice’s goal is to move to a standards-driven web service. See the slides for details on the reasons she is advocating this approach.</p> <p>There were several questions:</p> <ul style="list-style-type: none"> <li>■ Bob – we may want to create a workgroup to deal with this topic. Bill and Bob will discuss prior to next meeting.</li> </ul>   | Candice |

|         |   |                                      |
|---------|---|--------------------------------------|
|         | <ul style="list-style-type: none"> <li>■ Bob – You spoke about incentivizing data providers. If USGS spends less time on parsing does that mean there would be more \$\$ going to data providers?</li> <li>■ Dave W – can you send the presentation? Yes. We will distribute with the minutes.</li> <li>■ Mike Woodside – can you talk about the issue of portal stability. Are the standards really stable? For example, what’s the plan for changing WQX? Candice – these standards are very stable. OGC (and EPA for WQX) will continue to update the standards. But all that will do is allow additional types of data to be served. It will not change the existing service. Example – if geophysical log info is added to GWML2, it will not change what is there already.</li> <li>■ Mary – has reservations about this approach because states often have a lack of resources and/or experience in this area. She was also concerned to see an milliequivalent chart used as an example (from GSC’s Groundwater Information system) because states use mg/L. Candice reported that it was just used as an example of the type of thing that could be done. Daryll – we have lots of data providers serving WQ data in a format we cannot use.</li> <li>■ Dave – this program is modeled after the STATEMAP program, and states have the same issue there. USGS wants the state surveys to their mapping data in a standard format. The problem is that a lot of historic data were not done using those standards. Also if we do this, it will result in one format on the DE web site, and another on the NGWMN web site. Any thoughts on that? There will be a disparity between the NGWMN and the original data providers. Daryll – we already have that issue right now.</li> <li>■ Bob – excellent questions in this presentation. Given the lateness, we will table the additional questions for a future meeting. We will have an agenda item for next month to continue the discussion. Bob is also interested in the new data providers’ ability to do this, in the budget and funding implications, and more. For instance, what if we begin to tackle GW quantity?</li> </ul> <p><b>Expected Outcome: Information Exchange</b></p> |                                      |
| 12:40 P | <p>New Directions Workgroup Updates: the meeting was short on time, and there were no reports.</p> <ul style="list-style-type: none"> <li>• GW Quantity and Usage—Daryll Pope. No report.</li> <li>• Citizen Science—Bill Cunningham. No report.</li> <li>• GW/SW Interaction—Tim Parker. No report.</li> <li>• Modeling? -- Bill/Bob -- Bill and Bob will talk next week about this topic.</li> </ul> <p><b>Expected Outcome: Information Exchange; Discussion</b></p>   | Bob                                  |
| 12:50 P | Outreach Report   |                                      |
|         | <p>Upcoming Outreach:</p> <ul style="list-style-type: none"> <li>• GWPC Annual Forum September 10-13, New Orleans LA</li> </ul> <p>Mary reports that it will be an exciting meeting. There is a Tues morning breakfast to have a discussion on the NGWMN. This is on the program. Bill will speak to the plenary session, and will include the NGWMN in his remarks. Candice will deliver a portal presentation that afternoon. The following day, Marty L from NE DWQ (a new data provider) will speak.</p>  | Daryll/Candice<br>Bob/Bill<br>Daryll |

Attachment 1

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|---------------|--|------------|
|               | <p>Daryll reported that the USGS has created a new poster to advertise to attendees. The poster is available for those who want to use it.</p> <ul style="list-style-type: none"> <li>• NGWA Groundwater Week Dec 3-6, Las Vegas</li> </ul> <p>Bill reported that the face to face meeting of the SOGW and of the NGWMN data providers is still not certain, but is on track. Hold the date!</p> <ul style="list-style-type: none"> <li>• AIPG 2018 National Conference. September, 8-11, 2018. Colorado Springs, Colorado. Daryll reported that the CO DWR will be presenting.</li> </ul> |            |
|               | <p>Adjourn</p>   |            |
| <p>1:00 P</p> | <p>Next Meeting—Monday, September 17, 2018</p>   | <p>Bob</p> |

| <b>Status of New Directions SOGW Workgroups</b> |                   |                     |
|---|-------------------|---------------------|
| <b>Group topic</b>                              | <b>Group lead</b> | <b>Group status</b> |
| GW Quantity and Usage                           | Daryll Pope       |                     |
| Citizen Science                                 | Bill Cunningham   |                     |
| GW/SW Interaction                               | Tim Parker        |                     |
|   |                   |                     |

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