

**HAUC Meeting  
February 22, 2016**

**(Attendees: Chad Wagner, David Stillwell, Tony Gotvald, Andrew Robinson, Philip Habermehl, Duke Erbland, Greg Donley, John Mazurek, Geoff Cartano, Jeanne Robbins, Chris Henry)**

1. Phil presented Beta Stage-Area check worksheet to the group. He will make some minor adjustments; add some instructions to the first tab and provide to the group for final review before release to the SAWSC. – **Philip has finished making the revisions and will send to the HAUC..**
2. We have a new Bison email alias for the HAUC GS-W-SAWSC Working Group Hydroacoustics [sawsc\\_wghydroacoustics@usgs.gov](mailto:sawsc_wghydroacoustics@usgs.gov). Chad will send to the group.
3. Philip presented SC version of IV Rating worksheets; 1 for the rating development and 1 for 1-min data computation. SC have been using it for about 1-year now and no problems have been experienced, easy to use. We would need to add additional logger format options in the 1-min data computation spreadsheet for GA and NC situations/equipment. -- These will be used for a while as Aquarius will not have the 1-min velocity syncing functionality for “GoLive”. (Future plan could be to create a mechanism to auto-load into index velocity spreadsheet, Philip working with Travis Knight, FL, on best way to proceed on this). **Philip has revamped this macro and has sent it to a few members of HAUC. After receiving feedback, Philip will share with HAUC, perhaps in Feb. Philip has a few more tweaks and make sure everything is linking before sending to HAUC.**
4. Issues with new IV Rating Worksheets:
  - a. Drew – Can’t get the measurements to load. Problems developing rating from tidal cycle measurements using macro (“PullQm for rating development”), only putting in first measurement and date/time. Tony seeing the same issue. -- **Drew will email worksheet to Philip to debug the issue. Philip discovered the fix, which was related to difference in Excel version 2010 to 2013 and has added a macro on the front end of the worksheet to update the version. Will use this moving forward. Drew has tested and seems to be working.**
5. Also need to start building consistency in IV records write-ups and station analysis for tidal and non-tidal sites. Station Documents and Records Processing Committee is working on this issue and Phillip is a member. **Reviewed instructions that will be RMS for IV records analysis, some suggested revisions will be emailed to Philip.**
6. Chris H. indicated that GA had M9 (firmware 3.9 just back Sontek getting compass upgrade, loop test field results did not indicate moving bed; however, processing in the office indicated otherwise. GA will notify Mike Rehmel of this issue.
7. Software Upgrades – We sent Field Computing Group an email on December 12 with a list of all Hydroacoustics software versions that need to be pushed to SAWSC computers. Duke will follow-up with Boyce to get a timetable for implementation of new software. – **Still in the works.... Chad re-emphasized the process of requesting software and BETA testing. Request to have a list of all approved software available for everyone. We need to have a clearly articulated process of how to request software that is not on the approved list and follow-up when it has been loaded. Chris Henry (IFC group rep) will send email to IFC indicating need to have WinRiver2.15 on at least one desktop in AFO for RiverPro testing.**

8. Sontek M-9
  - a. Status of G3 compass upgrades (Tifton, AFO?); (Tifton is upgraded) and needed comparison measurements (2 in GA, 3 Raleigh) (Tifton needs to do comparison for 2<sup>nd</sup> M9 upgrade – Done.; Tony will check with Urban group in ATL to check on status of comparison – Urban group M9 is complete; Geoff will check on status on comparison measurements in Raleigh – will make a priority to get completed in the coming month)
  - b. Update on RS Live comm issues – nothing new reported
9. Wading measurements with ADCPs - we need to include guidance in QA plan the specifies the need to have some well thought-out and valid reasons for wading with an ADCP at a specific site, and need to document the specifics for that site. If it is safety related for a specific site, it seems it should also be documented in the site hazard analysis in SIMS.
  - a. Geoff will follow up with Steve to see if he checked and corrected, as needed, any miscoded wading measurements. Geoff will also check on those from Patrick and Sean. – Ongoing, done with Steve, still need to follow-up with Sean.
10. Velocity filters from StreamPro measurements may not be transferring to QRev or SWAMI, Jamie will try with the QRev version that will be officially released to make sure he can replicate the issue.
11. Tim will follow-up on Ray developing new lost and found stickers with reflective backing
12. Chad will talk to Howard and Scott about serving HAUC webpage from the internal SAWSC pages, if that won't work in the near-term, will use the NC HAUC page in the interim. – Scott has enabled a page for the Data Work Groups (<http://www.usgs.gov/water/southatlantic/usgs/home-data.html>), this is where we will post HAUC meeting minutes for the short term. Will post approved software version on this page as well.
13. Sontek M9 Downloads –
  - a. Duke – download in field if lost data and use all .riv files, otherwise, download in the office and store in central directory but use .rivr files to process.
  - b. Phillip – download only if data are lost. Rarely download the data or format recorder otherwise.
  - c. Greg – download immediately following the measurement and use for processing the measurement and store with measurement in electronic archive.
  - d. Tony – need to confirm with Chris, but both files .riv and .rivr files are archived.
14. Do we still need to conduct comparison measurements on a 3-year cycle given the new testing at the HIF? Chad will send email to Mike and Kevin. If so, plan for Spring 2016.
15. Develop consistency in Hydroacoustic instrument inventory sheets once Index Velocity worksheets are rolled out.

**Next Meeting – Monday, March 21<sup>st</sup> @ 9am**