

**HAUC Meeting  
September 28, 2015**

**(Attendees: Chad Wagner, David Stillwell, Tony Gotvald, Philip Habermehl, Duke Erbland, Greg Donley)**

1. National Data Conference Hydroacoustics Debriefing Roundtable –
  - a. Greg – really like QRev and potential it has
  - b. David – can upgrade 1200kHz Rio Grande to have auto-configuration and Bluetooth added (similar to RiverPro) (~\$12,000). Additional cost for ability to manually config. Upgraded Rio will not have vertical beam – will be called the RioPro.
  - c. Phillip - Flowtracker 2 should be coming out in December. Batteries can be switched mid-measurement without ending it, can edit measurements on the instrument, user-friendly keyboard (similar to smartphone), pitch, roll sensor included for real-time eval of positioning in stream, head and box are independent.
2. 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 will finish this task and send to the HAUC by next week, on-hold until the IV Rating Worksheets are complete.**
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. **Philip will add RDB input functionality to 1-min sync worksheet. – DONE, Philip will send to HAUC for testing. 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).**
4. Could create Macro to port data from Idaho spreadsheet to the new SAWSC IV worksheet to reduce copy/paste errors once final version of SAWSC worksheet is decided. – **Philip has created a macro to import measurement sheet, Tony will send Philip some complete IV worksheets in Idaho format for testing.**
5. HAUC will send Chad email with vote for or against Philip’s IV worksheet with any suggested revisions after our call. Chad will compile votes and provide results to the HAUC. Plan to implement new consistent IV worksheet for WY16. – **DONE, unanimous vote to move forward with Philip’s version of the IV worksheet.**
6. Will plan a webex training on using the new IV worksheets. **Chad will send email to SAWSC announcing training on Tuesday, Nov. 10 @ 9:00am.**
7. 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.

8. 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.
9. Software Upgrades – Status of RS Live v3.82 testing?
10. Sontek M-9
  - a. Status of G3 compass upgrades (Tifton, AFO?); (Tifton is upgraded) and needed comparison measurements (2 in GA, 3 Raleigh, 1 Asheville?)
  - b. Update on RS Live comm issues
11. 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.
12. Velocity filters from StreamPro measurements may not be transferring to QRev or SWAMI, Jamie will try some additional exploring to make sure he can replicate the issue.
13. Tim will follow-up on Ray developing new lost and found stickers with reflective backing
14. 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.

**Next Meeting – Thursday, October 22<sup>th</sup> @ 9am**