

Attendees: Kirstin Holfelder (CNHP), Amy Greenwell (CNHP), Dave Speas (BOR), Travis Francis (USFWS), and Koreen Zelasko (CSU Larval Fish Lab)

Key: Question, Action Item

Review of PowerPoint Presentation (see 2015_07_16 STReaMS Monthly Webinar Presentation.pptx)

- Data Freeze and Data Update cycle: CNHP is planning to import all data up to 2014 into STReaMS for the first release at the end of September. A complete dataset will come from the following sources: Travis (UC), Scott (SJ), Kevin (White River PIA) and Peter (the rest of the PIAs). CNHP has UC 2014 data from Travis in-house, and will get updated files from Kevin, Scott, and Peter. For 2015, Travis and Scott will collate the data (per usual) and provide a full 2015 dataset to CNHP. We will set a cut-off date of June, 2016, for 2015 data. After the 2015 data are in STReaMS, batch upload tools will be activated and can be used to load data from the 2016 field season.
- The current databases have source file names associated with each record. We discussed linking the source files to records online. Travis has some of the source data, but no files before his time. Travis also made the point that the source files have errors and had to be cleaned up. Some records are also in multiple files. It was decided by the group that we wouldn't worry about source files prior to 2014, as they will probably be more error-prone and harder to track down. We will store and link 2014 files, and continue to do so from here on out. **Action Item: Travis will send source files from 2014 to CNHP. CNHP will ask for 2014 source files from Scott. CNHP will provide their upload link to both Travis and Scott to transfer files.**
- There was some discussion on which coordinates need to get stored in the database. Most people prefer to view UTM. Data are submitted in Lat/Long, UTM z13 and UTM z12. People working in a GIS environment will need data in one projection to seamlessly view data in a spatial environment without having to tease out and reproject data between zones, which may be above the technical expertise of the average user. It was suggested that we maintain Lat/Longs and UTM in Zone 12, since most of the basin is in Zone 12. This would require us to reproject z13 coordinates. If coordinates are reprojected after they are imported, it will be important that we note this during uploads and downloads. This will help alleviate any confusion if a PI notices a different coordinate in the database than what he/she submitted. **Action Item: CNHP will investigate the most efficient way to reproject coordinates and finalize which coordinates will be stored in the database. This will be determined by efficiency (least number of reprojections) and ease of use (common projection for spatial data). Travis uses an online tool and he will send the link to CNHP for us to check out.**
- There are some data in the UC database in zones 14-29. Travis confirmed these are errors. There are no valid reasons for having data in these zones.
- **Question: Should we use mixed case or caps for comments fields?** Mixed case is more readable and preferable by the group. Unless there is a valid reason to maintain comments in cap locks, we will make mixed case the standard. Data loggers can use

mixed case. We are not sure about the software hatcheries use. There is no way to fail records on uploads if folks don't follow recommendations and if we convert case on the fly there are problems with abbreviations and proper names. We'll leave old data as-is and recommend mixed case for future data collection. **Action Item: CNHP will contact hatcheries and make sure they don't have software restrictions that require cap locks.**

- Canned downloads. **Question: Should the individual list export should match the encounters download?** It seems reasonable, but there may be a situation where someone just wants numbers of fish.
- Reminder that we have three upcoming meetings: pre-release, presentation at annual Researchers Meeting, and spring hands-on workshop (perhaps we call this a mission operational workshop to make travel easier). The pre-release will be in Sept and it will include real data. This is the last chance to provide feedback before the first release. **Action Item: CNHP will check on the number of people that can be accommodated in CSU computer labs for the March operational workshop.**
- Right now we are working on a script for downloads. This should be functional soon.
- CNHP purchased Loggernet software in May which allows us to download data directly from the PIAs with cell modems. With the help of Peter Mackinnon, we were able to get the following PIAs connected and downloading data: Green River Canal at Guage, Green River below Siphon, McElmo Creek confluence with San Juan, Price Woodside, PNW, Hogback Bypass Facility, San Rafael Chaffin, San Juan Restoration Site, and White River. We might need to BioMark software for the sites on satellite. Peter will be sending us a spreadsheet of all PIAs, and who has lead responsibility for each one. **Action Item: Follow up with Peter to get a comprehensive list of PIAs, and how to set up automatic uploads for the rest of them.**

Thanks Everyone!

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