

May Techinar 5/19/2016

Attendees: Amy Greenwell (CNHP), Ben Johnke (CSU RSF), Kevin McAbee (FWS), Travis Francis (FWS), Andy Treble (CPW), Scott Durst (FWS), Koreen Zolasko (LFL), Matt Frye (Ouray NFH), Darek Elverud (FWS)

Key: Question, Action Item

- Kevin updated the group on the status of the Database Manager position. They still need to finalize the questions tied to the job announcement, but otherwise it is ready to go. He expects it to be online at USA Jobs in 2-3 weeks. The position will be open for 1-2 weeks and requires a background in biology and data management. It will be posted as a GS 11/12 and housed in Lakewood. Once it is open, Kevin will email the announcement out to everyone.
- CNHP has hired a new DB and Web Developer, Puja Gurung. She will begin on June 6th. Ben Johnke will continue to be the lead developer on STReaMS while Puja learns the system.

Review of PowerPoint Presentation (see 2016_05_19 STReaMS Monthly Webinar Presentation.pptx)

- A large focus of this webinar was the logic behind the batch upload process and how the system will deal with data conflicts and data entry errors.
- We revisited the definition of “Study”. Since Studies are connected to permissions in STReaMS, we floated around ideas at the March workshop about splitting program projects into multiple Studies by year or by deliverable. After more discussion with recovery program data managers, it was determined that the current process for organizing and submitting data works pretty well and we should follow the same model in STReaMS. The group liked this idea. We will start with this method and reassess down the road to make sure it works for everyone. **Action Item: CNHP will create a new “personnel type” associated with a Study called “Data Lead”. Only Data Leads on a Study will be able to Upload or Edit records associated with that Study (in other words, one user could be a Data Lead on Study 1, but not on Study 2 so these permissions are Study-specific). This will help streamline the Upload/Edit process for complicated studies that have many researchers and organizations collecting data.**
- We still need to clean up Studies in STReaMS. Cross-referencing the recovery program websites is a good place to start. A lot of data can be cleaned up from referencing the reports on those sites. **Action Item: CNHP will clean up Studies as much as possible using the recovery program report pages for reference, before sending an email out to the larger group requesting help.**
- We made minor tweaks to the templates for Rare Fish and Stocking Events. A few fields were added and fields have been pre-formatted to help prevent some of the common formatting errors. Scott and Travis will review them one final time to be sure they work for both basins. We will use these templates to generate the batch upload tools in STReaMS. **Action Item: CNHP**

will email the revised templates to Scott and Travis for review. Once approved, Scott and Travis will email them to the larger group.

- The latest version of the templates should be available on STReaMS. They also need to be dated so people know they are using the latest version. **Action Item: CNHP will post templates on STReaMS and add dates to the file names.**
- The Program attribute in the rare fish template should be associated with a Study, not an Encounter. We also need to standardize these values. **Action Item: CNHP will remove Program from the rare fish template and add it to the Study page on STReaMS. We will start with the 7 program elements as our look-up table of acceptable values, and tweak these based on feedback from data managers.**
- The Disposition field is not in STReaMS for an Encounter. This is an oversight and it needs to be added to the Encounter page. **Action Item: CNHP will import Disposition data for records already in STReaMS and add this field to the pages Encounter Details and New Encounters.**
- The Principal field is not in STReaMS for an Encounter. Instead, STReaMS has a field called “Sampled By”. Neither program collects information on who specifically sampled the Encounter. **Action Item: CNHP will import Principal data for records already in STReaMS and change “Sampled By” on the pages Encounter Details and New Encounters to “Principal”.**
- **Question: Since detection Encounters can actually represent one or more hits, can we add a frequency field that tells you how many hits that detection Encounter represents?** Yes, we can add Frequency to detection Encounters. **Action Item: CNHP will add a Frequency field to STReaMS and calculate values for the PIA data already in STReaMS.**
- The basic philosophy of batch uploads is to prevent as many errors as practical from getting imported without bogging down the system. Some errors will need to be checked using Quality Control tools due to their complex logic or time-consuming error checking.
- The basic upload process will be:
 - Pick the right upload option for your file type.
 - Analyze your data file to look for obvious data entry errors and fix errors before uploading data. Error-checking rules for each field in the templates can be found in the power point.
 - Once your data entry file is clean, commit your changes to STReaMS. The system will search for record conflicts. Data that pass the test will be imported to STReaMS. Problematic records will be flagged or placed into a temporary holding table until they are reviewed by a Database Manager. Details about record conflicts can be found in the power point.
- CNHP will revisit the Analyze process with Scott and make sure the data entry error reporting is inclusive of the San Juan program.
- After the March workshop, we favored uploading portable PIT files directly into STReaMS. After reviewing the upload process in more detail, we decided it would be better for researchers to integrate their portable PIT data into the rare fish template. Reason being, there are many

attributes they will need to fill out, such as spatial coordinates, habitat types, etc. and the antenna files only report tag codes, antenna number, and time detected. **Question: If portable PIT records are included in rare fish templates, will they be labeled correctly as detection Encounters?** Yes, we can use the gear type to identify detection Encounters in the rare fish template.

- Studies need a check box indicating that all data for that year have been Uploaded into STReaMS. Both project managers and researchers using the data need to know when data Uploads are complete for a specific project. **Action Item: CNHP will add a checkbox to Studies to indicate that data uploads are complete for the year.**

Thanks Everyone!

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