

## 2016 Annual PTSC Meeting

February 10, 2016

Attendees: Tiffani Marsh, Don Warf, Scott Putnam, Pat Keniry, Daniel Wilson, Sebastian Dudek, Nicole Tancreto, Cecilia Brown, Charles Morrill, Scott Gary, Scott Bettin

Teleconference: Steve Pastor, John Tenney, Dean Park, Sam Breidenbach, Gabriel Brooks, Jeremiah Sullivan

### Action Items

- Nicole will revise Event Type definitions and send to PTSC
- Dean will send instructions to work around HPR lockup issue
  - Nicole will publish these in a newsletter and distribute to P4 focus group
- Charlie will revise the letter to Navy about the Dixon beacon and send to the group
- Tiffani will follow up with Gabriel and Jeremiah to work on getting the letter distributed to the right group/person for consideration

Reviewed action items from last meeting – all were accomplished.

### Portland 2015 Review

John reviewed the Portland office accomplishments in 2015 and plans for 2016

- PIT Tag Workshop
- Tag bite, broken tooth
- PIT Tag Selection Guidance document
- MRR data model changes
- Spatial data for MRR and interrogation sites
- Tag distribution and tag type added to reporting
- Web site enhancements
- Development of P4
- Database upgrades to support MRR/P4
- P4 Beta Release

### Plans for 2016

- Subsequent P4 beta release in February
  - Production release TBD – planning for spring
  - Website/documentation
  - Training webinars
- Database/reporting hardware and software upgrades
- Website upgrades
- Scope next-generation interrogation software M5 to upgrade M4 and retire MiniMon

### Questions about P4 from PTSC

- Will we still be able to submit files via email?

- PTAGIS is planning to retire that method of submission
- When you export a file is it valid?
  - It does not have to be valid to be exported, but definitely can be
- Scott uses external tool to find inconsistent data (e.g. AD on wild fish), which creates a clean P3 file that he submits via email
  - May be possible to build something like that into P4 data management

### **Specification Document**

Nicole went through the sections of the current document and discussed the changes she would like to make. Most of the dynamic content will be served from the website.

- Add mention re Marking Procedures Manual
- Put SbyC section in Appendix?
- Field definitions are in the software as well as in the doc

### **Definitions for Event Type and Life Stage**

Nicole reviewed the proposed definitions for Event Type and Life Stage

- Recapture needs to be reworked a little to allow for a recapture where a fish is not re-released, but is not dead (e.g. a fish is recaptured and removed to a laboratory for more study)
- Recovery definition is ok and all agree that there can be more than one recovery event, these should not be coded as recapture duplicates

### **Biomark Teleconference**

Representatives from Biomark called in and were present to discuss HPR reader and plans for new pre-loaded tags

- HPR does have a known issue with locking up sometimes
  - Engineers are working on a fix
  - The work around is to make sure the communication cable is unplugged from the HPR before powering it on
  - There were some other issues related to firmware, but these should be resolved if you have the latest firmware v1.12
  - Dean will get a description of the work around to PTSC and PTAGIS, which will distribute in newsletter and to P4 focus group
- Biomark is planning to make additional tag sizes available pre-loaded
  - Both 8mm and 10mm will be available pre-loaded soon
  - 10.4mm uses 16 gauge needle instead of 10 gauge, it has a thinner profile, but doesn't perform as well as 12mm
  - 10mm did not perform well on instream systems

## **Kennewick 2015 Review**

Don Warf reviewed the Kennewick office accomplishments in 2015 and plans for 2016

- SbyC gates and antennas running at high efficiencies
- Juvenile transceivers should run for many more years
- Adult ladders are 98% efficient or higher
- FS2020 transceiver installation complete – 113 units now operating
  - Will be installed in full flow at GRJ and adult ladders at John Day
- Upgrading data collection platforms at all non-SbyC sites (SbyC sites were upgraded a couple of years ago)
- Ongoing tag QA
- Worked with Biomark on FS3001 xcvr performance at BCC
- Planning to put in second antenna at BCC, working with NOAA
- New thin body antennas at LGR in ladder entrance and exit
  - Installed by Westfork Environmental
  - Anchor QEA doing analysis on fish travel times related to construction noise
- John Day ladder antenna designs have been accepted and installation will be winter 2016-17
- Developed low cost repair process for old antennas in MCN and BON ladders
- Completed BCC simulator antenna for tag and xcvr testing in lab
- BO2 PIT tag room sinkhole is getting worse, access is still allowed by Corps. They are still trying to determine the extent and a possible fix
- Other projects

## **Navy Beacon Update**

Gabriel Brooks and Jeremiah Sullivan called in (though not at the same time) to give the committee an update on the Navy beacon issue.

- Gabriel is working on getting an appropriate contact for the letter from the committee
  - Scott Bettin suggested to do another revision of the letter to emphasize that there has already been a lot of communication and cooperation, and this group would like to see that continue
  - Charles Morrill agreed to work on another draft and get it out to the group by Friday
- According to latest communication with Gabriel, there will be a short test in April that will be on a lower frequency, possible 119kHz
  - They are also willing to do a frequency test and Gabriel will be coordinating that
- Jeremiah Sullivan called in at the request of Gabriel
  - Agreed to take a look at the draft letter and share with Navy counterparts in effort to determine the best person/place to send it – Navy counterparts are supposed to be adding verbiage to operations notes to contact Army before tests occur
  - Also trying to find out how the Navy uses the frequencies that cause most interference with PIT tag equipment
- Tiffani will follow up with Gabriel and Jeremiah about reviewing the letter

### **PIT Tag Solicitation Timeline**

BPA will be conducting a solicitation for PIT tags in 2016 and Sharon Grant had some questions for the PTSC.

- 12mm will be primary use in CRB, but 9mm should be available, too
- Large projects tend to use pre-loaded because of economy of scale, but many projects still need bare tags
- level of performance of tags should be at least the same as what is currently in use

### **Request to Add Genetic and Scale Data to PTAGIS**

Nicole received a request to add fields to PTAGIS for storing the results of genetic and scale testing

- requester should bring it their representative in the steering committee
- PTSC does not think it would be appropriate for PTAGIS to be repository for genetic and scale data
- Would prefer to explore linking to a database using the scale id and genetic id to display
- Perhaps a better function for DART

### **PTAGIS Support for research outside CRB**

A discussion about how requests to support research/data from outside the Columbia River Basin should be handled.

- PTAGIS is receiving more requests for help, guidance, inclusion from PIT tag users outside the CRB
- We can provide advice and PTAGIS documentation, but do not have the man power to help develop other systems, even if other groups offer to pay for it
- We could take in data from outside CRB, but that has its own issues and could take too much staff time
- Seems like there should be a policy from above PTSC
- Charlie – would say that if we have the opportunity to support a group that is relatively close to the CRB it seems like we should do that, but adding central valley or Utah data seems to be way outside the scope
- Anyone would have to submit data to PTAGIS standards, and interrogation sites should have a standard and requirements
- The interrogation site metadata effort this year will be looking to help answer that question
- Have researchers outside the CRB, but close enough to potentially have some spatial overlap, to the steering committee member who has purview over the area in which they want to work

**Charlie and Tiffani volunteered to be co-chairs for 2016**