

PTAGIS Program Review

2012 PTSC Meeting

January 26, 2012

In attendance: Alan Brower -PSMFC, Ed Buettner – IDFG, Erin Cooper-FPC, Sebastian Dudek - PSMFC, Randy Fisher-PSMFC Jeff Fryer- CRITFC, Pat Keniry- ODFW, Doug Marsh- NOAA, Charles Morrill-WDFW, Mary Moser – NOAA, Steve Pastor-FWS, Scott Putnam-IDFG, Sergi Rassk-FPC, Russell Scranton-BPA, Nicole Tancreto-PSMFC, John Tenney-PSMFC, Jack Tuomikoski-FPC, Craig White-PSMFC, Jody White-QCINC

Members attending via phone: Sandy Downing-NOAA and Don Warf-PSMFC

Summary of Action Items:

- Charlie Morrill and Nicole will talk with FPAC and determine the level of concern regarding impact of a potential change to the default action for PIT tagged fish at transport SbyC sites. If FPAC is concerned that they might be creating work for more people than they would be benefitting, then a survey would be developed for Columbia Basin Biologist; if FPAC wants the change regardless of the impact, there is no need for a survey.
- Nicole and John will work with Mary Moser and her group to bring HDX lamprey tagging and detection data into PTAGIS
- Sandy Downing will revise the PIT tag guidance chart with new information and write an article for the next PTAGIS newsletter
- PTAGIS will make the PIT tag guidance information available through the Tag Distribution System (TDS)
- Jody White and the Instream Subcommittee will produce a draft of the recommended instream site metadata requirements

Meeting Notes

John Tenney began the meeting by introducing the PSMFC PTAGIS Staff and reviewing 2011 activities.

- Released beta website and online reporting in June of 2011 to focus group with good feedback.
- Coordinated with FPC and DART resulting in good discussions.
- New reporting is synchronized with production database
- Hired in Sebastian to manage development of new website and new SbyC request process
- Working with a different consultant to implement Content Management System (CMS) for new website
- We achieved a 2 year contract with BPA.
- We will be working closely with Jody White as the Instream Subcommittee finalizes their recommendations

- Doug Clough, the principal Ingres consultant, had a very unfortunate accident; Nicole Tancreto has assumed some of the tasks he normally handles

Don Warf reviewed 2011 activities by the Operations & Maintenance staff and possible 2012 activities.

- High detection and diversion efficiencies for 2011
- Tested FS2020 transceiver in the lab and deployed them at new Castile and Lyle Falls sites
- Castile Falls project is about 95% done
- Lyle Falls is behind schedule due to construction delays. Antennas are operating in the channel, but still need to install 15 antennas in the mobile wet lab.
- Tested tags for the BPA RFO. Also test all BPA distributed tags at 1% rate. Hope to increase that by 5% in 2013
- McNary and Lower Monumental juvenile fish facilities are getting remodeled in 2012. Will need to rearrange antennas.
- Working the Corps (Portland District) to install pit tag detectors in the adult ladders at John Day and The Dalles.

Sandy Downing reviewed the status of the Ogee project at Lower Granite.

- Originally was going to be Ice Harbor
- Corps is putting the team together
- Biomark is working on the transceiver
- MOA between BPA and the Corps has been signed

Doug Marsh discussed the problems at the Lower Monumental sample tank in 2011. His study lost about 1000 fish that escaped out of the sample tanks through un-monitored water lines, their last detection occurred at the Separator monitor. Project staff have identified and fixed the problem.

John Tenney gave an update on M4:

- Separation by Code portion is in testing in Kennewick now
- Will be deployed in parallel with MultiMon system to test over the course of the 2012 SbyC season
- Also planning a live fish test this spring

Mary Moser gave a summary of anticipated full duplex tagging of juvenile lamprey in the Columbia Basin as per the request of the Columbia Basin Lamprey Technical Workgroup.

She presented information about half-duplex lamprey tagging and detection and expressed the desire to get this data into PTAGIS. Currently data is housed at the University of Idaho. They use Texas Instruments equipment and will need help getting the data in Minmon format. The PTSC agreed that this is a good direction and PTAGIS staff will work with Mary Moser and her group to solve any technical challenges.

John and Sebastian described the new website and new process for requesting, approving and implementing SbyC requests.

- Content Management System (CMS) will allow PTAGIS website to be more flexible and dynamic
- SbyC request will allow a researcher to enter information for a SbyC project in one place. FPAC and PTAGIS will both be notified of the proposed project. FPAC can approve or ask for more information and the researcher will be notified at each step along the way.
- This is the foundation for other requests – new validation codes, interrogation sites, etc
- The new process will not be required in 2012, which will be a transition year. PTAGIS will work with FPAC and researchers.
- Doug Marsh suggested there be a page that shows a summary of SbyC projects so that other researchers can be better informed about whom they will need to coordinate with.

Charles Morrill discussed the SbyC default action and the possibility of making a change from the current default (all PIT tags are returned to the river unless otherwise specified) to all PIT tagged fish follow the run of the river unless otherwise specified. Discussion included these major points:

- There were 18 SbyC projects in 2011, which requested that PIT tags be diverted from the default
- Doug Marsh is unsure if changing the default will cause more SbyC requests or less. Thinks that some research needs to be done with Basin biologists to see how many would need to make SbyC requests if the default was changed
- Ed suggested that some, maybe many, biologists aren't aware of operations at the 4 transport dams.
- Charlie suggested PTAGIS put out a survey to inform biologists of the current operations and ask how a change would impact their research projects.
- Charlie Morrill and Nicole will talk with FPAC and determine the level of concern regarding impact of a potential change to the default action for PIT tagged fish at transport SbyC sites. If FPAC is concerned that they might be creating work for more people than they would be benefitting, then a survey would be developed for Columbia Basin Biologist; if FPAC wants the change regardless of the impact, there is no need for a survey.

Russell Scranton talked about BPA's request for more information from PTAGIS

- BPA is requesting a 5-year budget to ensure that the PTAGIS project is supporting the region's evolution.
- They have a question about how the development of the new server infrastructure may free up some funds to be spent elsewhere.
- The larger PIT tag plan and regional tagging plan are trying to figure out how the systems can work together and what technology is relevant.

LUNCH

During lunch Sandy and John asked PTSC to provide some guidance to biologists about different tag types and the differences in performance between them.

- Information from the recent tag testing for the BPA RFO can only be released for those tags that were selected for the contract.
- Don would like some sort of guidance on the Tag Distribution System (TDS) website so that biologists know that different sized tags have different detection rates.
- Sandy will revise her chart to include updated information and PTAGIS will provide a link to it from the TDS tag ordering page.
- Sandy will also write an article for the next newsletter.

Nicole and Craig talked about developments for the new reporting system and demonstrated a few of the new reports to the committee.

- Provides access to same data sources as Query Builder and the telnet interface, with additional fields that were not available
- Fields are decoded and user can see the definition of each field from within reporting environment
- Data warehouse is now updated daily with data from production PTAGIS database
- Provides self-service reports from pre-cached data cubes, as well as pre-built specific reports.
- Nicole demonstrated data extraction that is meant to replicate the Query Builder experience, with the addition of reports historically available through the telnet interface, a cube browser and a complete tag history report.

Steve asked about the status of the Ingres database and John replied with the following

- It is budgeted for the next two years, support agreement for another year.
- The company has rebranded and doesn't want to support our version. Upgrading could be problematic.
- The website is a primary concern and the first priority is to get new website up and running.
- Craig will start building processes (with Doug Clough's involvement) to take data from Minimon, Multimon and P3 into new system
- Plan to run new and old in tandem to sufficiently test the new system

Jody White presented the work the Instream Subcommittee has accomplished since the last PTSC annual meeting

- Developed an initial set of metadata requirements and suggestions
- They came up with a way to classify instream detection sites: permanent and temporary.
- Defined these by operational life, seasonal time span, life-stages and species detected.
- Also considered just calling the sites what they were, i.e. hatchery release
- Will have required site equipment and optional equipment and want to track the specifics of that equipment (model number, etc)

- Want a way to track the history of the site configurations
- There are also ways to measure and track read range and detectability, subcommittee needs to finalize their recommendations in these areas
- They plan to get a draft out before the field season kicks into high gear

Steve asked to be reminded about how duplicate tagging records are handled in PTAGIS

- Duplicates get separated out and placed in a separate table, data contributor is notified
- Duplicate records are not available through the Query Builder, they can be seen in the Complete Tag History report and in the Tag File Summary report

PTSC Business

- FPAC is not going to provide comments to the 10 year PIT tag plan; PTSC is not going to either.
- PTAGIS provided some comments regarding the database infrastructure
- Ed Buettner announced that he will be retiring this summer and Scott Putnam will be taking over his duties, starting March 1.
- Steve and Charlie will remain co-chairs of the committee