

Thursday, January 17, 2002

Present: Ann Setter, Doug Clough, Doug Marsh, Carter Stein, Ed Buettner, John Tenney, Dave Marvin, Pat Poe

PIT Tag Steering Committee

1. Review PIT Tag Specification Document
 - a. Expand species domain to accommodate Cutthroat (8), Bull Trout (7), Lamprey (A), and possibly Sturgeon (B).
 - i. Committee agreed.
 - ii. PTSC to draft letter to FPAC recommending that PTAGIS be expanded to include non-anadromous, non-salmonid species beginning with 2002 Specification Document.
 - b. Standardize on Run designation, "R", for resident stocks. (Implies that Rainbow Trout are identified as "3R" and Cutthroat Trout as "8R").
 - i. Committee agreed.
 - c. Suggestion was made to add 'sub yearling' designation (codes "6", "7", "8", "9") to "Run" domain.
 - i. There was strong disagreement.
 - ii. The suggestion was made to use another column to identify "sub yearlings". E.g., "Additional Positional" field in a Tagging file, or add a new field, "Age Group".
 - iii. There was much discussion about the technical issues of overloading the meaning of fields, de-normalizing an otherwise normalized relational database field, using a run type identifier to identify an age class.
 - iv. A suggestion was made to code this information into the "Flag Codes" field.
 - v. PTOC Action Item: Flag Code Analysis (Priority?)
 1. Develop a User Requirements Analysis based upon data collected in the "Flag Codes" column of the Tag Data field.
 - a. Enumerate flag codes
 - b. Which flag codes appear most frequently with other flag codes?
 - c. Which Flag Codes should be used as search criteria on a query in PTAGIS web interface?

- d. Are any of the flag codes candidates for columns in existing tables, or candidates for new tables or in PTAGIS?
 - e. Update PTSC of problem definition / draft or framework of analysis by April 15, 2002.
 - f. Review Flag Codes in Raw Tagging File and attempt to determine (max?) number of Flag Codes used on tagging records – compare to number of flag codes stored in flag code column of tag_data table.
- d. Discussion about changing the list of “Standard Codes Used to Identify PIT-Tagged Fish in the PIT Tag Information System” table in the PIT Tag Specification Document.
- i. Committee agreed that the purpose of this list is to provide assistance for the user of the tagging software.
 - ii. Committee suggests changing list so that Species, Run and Rearing type are verbosely identified, in that sequence. Drop “Stanley Basin” from “42U” designation. Bull Trout will be identified as “7RW” – “Bull Trout Resident Wild”, “85 {WHU}” for Cutthroat, “A5W” for Lamprey.
 - iii. The PTSC prefers to validate the Species, Run and Rearing Type combination entered in Tagging Files as specified in this list of “Standard Codes”.
 - 1. This requires no change to p3.
 - 2. This requires a change to the PTAGIS Server Process, Field Data Validation and Load (FDVL).
 - a. PTOC will identify resource requirements to make this change to FDVL. Perhaps dovetail this work into other changes planned to improve DBMS lock contention issues and other technical problems. No definite schedule to perform this work has been planned.
 - 3. Existing data in PTAGIS will not be addressed with this change. It is the responsibility of the Tagging Coordinator to change pre-existing data.
- e. The PTSC agreed to add an “Adipose Intact” flag code (“AI”) to be used in conjunction with unclipped fish from hatchery production.
 - f. The PTSC agreed to expand the “Release Site” domain to permit mapping of fourth order Hydrologic Unit Codes for rivers that span more than one HUC.
 - g. The PTSC discussed removing constraints on tag file header items.

- i. The PTSC tabled the item. It was suggested that a more formal and comprehensive review of all data elements be considered. It was also suggested that items of such fundamental change to the data system be discussed with the PTSC at least a year prior to anticipated implementation.
 - ii. It was suggested that the PTSC annual meeting be held at a different time during the year.
 - h. The PTSC agreed to change the Specification Document to require the Tagging Coordinators initials to be used as the first three characters of the Tagging File Name.
 - i. P3 and help file will be changed to use Tag Coordinator List to construct file name;
 - ii. Specification document will be modified to reflect this;
 - iii. FDVL will be changed to reflect this when time permits.
 - i. Walkthrough of Specification Document
 - i. Change Hatchery description in tagging file to reflect hatchery where fish were reared, rather than tagged;
 - ii. Pg: PTOC should look at increasing size of flag code column of tag_data field. See 1.c.v above. Need 50 characters?
 - iii. Pg. 9-10: Format changes to Conditional Comments.
 - iv. Pg. 14: Change to Example 4 to include “RF MT” flag codes with the “RE M” that currently exists.
 - v. PTOC will update language re: assignment of interrogation site codes.
 - vi. Pg. 16: use “...specified interval.” Rather than “specified frequency”.
 - vii. Pg. 17: remove D, E & F (obsolete formats).
 - viii. Pg. 23: Organization Codes: Discussion to remove “archaic” entries. PTSC decided to keep archaic entries for WDF & WDW.
 - ix. Pg: 23: Site Codes: Specify that rivers that meander through multiple HUCs will have multiple location names (e.g., SNAKR1, SNAKR2, COLR1, COLR2...COLR12, YAKER1, YAKER2, GRANR1, GRANR2, CLWR1, CLWR2).
 - x. Pg. 24: Wordsmith sentence 2 under #4.
 - xi. Strike CASS from River KM table unless L. Basham knows where it is.
 - xii. Pg. 44: Insert definition of “Mortality” between Monitor and Mortality File.

- xiii. PTSC would like to have copies of Specification Document printed and available for hard-copy distribution. PTSC requests hard copied are sent to them via US mail.
- 2. The PTSC discussed how to retrieve adult PIT tag data from the database. The Committee suggests making this a focus of the analysis (described in the section “PTOC Action Item: Flag Code Analysis”, above).
- 3. PTSC discussed Interrogation Sites:
 - a. Need to develop a three tiered model for interrogation site support (Carter to draft something for PTSC to review):
 - i. PTOC Standard – PTOC Supported / PTOC Service Level Requirement;
 - ii. PTOC Standard – Not PTOC Supported / PTOC Service Level Requirement;
 - iii. Not PTOC Standard – Not PTOC Supported / Not PTOC Service Level Requirement;
 - b. Build punch list of activities and end-user outputs that are set up and used to support new interrogation sites. E.g.
 - i. Set up TASS
 - ii. Set up PTPP
 - iii. Set up PAP
 - iv. Set up Site Configuration Model
 - v. Update ‘etc/sites’ file
 - vi. Update Specification Document
 - vii. –More—

4. Agency PIT Tagging Plans:

Carter requested that all agencies planning SbyC studies contact Carter so that PTOC resources are properly coordinated to support the studies.

| PTSC 2002 Migration Year PIT Tagging Plans | | | |
|---|-------------------|-------------|---|
| Agency | Study | Number Tags | Comment |
| NMFS / COE | Delayed Mortality | 129,000 | Want to select a certain number of fish that have been detected once, twice, etc upstream. Requires one time SbyC setup on interrogation platform. Dave will be set up daily P3 lookup files to support |

PTSC 2002 Migration Year PIT Tagging Plans

| Agency | Study | Number Tags | Comment |
|------------|------------------------------|-----------------------------------|---|
| | | | project. May have a SbyC requirement for Lower Granite. |
| NMFS / COE | Transportation | 50,000 chinook 70,000steelhead | LGR LGO |
| NMFS / BPA | Migrational Characteristics? | 0 | No tagging, just recapturing 500 previously tagged fish. LGO SbyC requirement (wild fish) |
| NMFS / COE | Transportation | 150,000 | Sub yearlings. Require SbyC LGR. SbyC One time setup. |
| NMFS / COE | Transportation | 330,000 | Sp CH marked at hatcheries in mid-Columbia (Winthrop, Leavenworth & Methow). Spring @ MCN; SbyC one time setup. Require new gates at MCN? |
| NMFS / COE | Transportation | 270,000 (could change) | Sub-yearlings (Summer) from mid-Columbia. Require SbyC @ MCN. |
| NMFS / COE | Transportation | 104,000 | To be marked at MCN. No SbyC requirement. |
| NMFS / BPA | Survival | 25,000 | GRJ |
| NMFS / BPA | Survival | 15,000 | GOJ |
| NMFS / BPA | Survival | 40,000 | MCN |
| NMFS / | Gate Checkout | 1,500 | GOJ Gate Check out |
| NMFS / COE | Orifice Passage Efficiency | 2,000 | Marked Downstream at JDJ |
| NMFS | Bird predation studies | 18,000 | Marked at hatchery near Willamette R. / McKenzie R. |

| PTSC 2002 Migration Year PIT Tagging Plans | | | |
|---|-------|--------------|--|
| Agency | Study | Number Tags | Comment |
| CSS | | 213,000 | Currently approved |
| CSS | | 203,000 | Additional |
| SMP | | 120,000 | Same as last year. Some SbyC requirement. Larry Basham has info. |
| | | <u>Total</u> | <u>1,740,500</u> |

- a. Carter will talk to Tom Ruehle and Dave Hurson to prepare a plan to O&M PIT tag separation gates at COE projects. Carter also to coordinate with Steve Achord on LGO Gate checkout.
- b. Ann says that Sue Knapp has moved to Willamette & Rich Carmichael is working issues related to Three Mile Island.
- c. NMFS that all transportation fish be placed on SbyC computers to be diverted to raceways.
- d. COE may expand kelt and lamprey studies.
- e. Dave M. says most of his time will be preparing for and assisting with SbyC studies.

5. Super Tag

- a. Destron hopes to have super-tag manufacturing machine on-line in Spain by the end of March.
- b. Doug will try to find 20,000 fish that can be used in a side-by-side comparison of super-tags to current tags.
- c. Carter will draft a matrix of tag parametrics (read speed, read range, orientation) vs. reading equipment (FS2001, FS1001 12" Loop FS1001A 26" x 26" orifice & window size loop) and send to Ed.
- d. PTSC Subcommittee will start with the matrix and develop a "tag qualification" protocol for "system verification" of the new super-tag.

6. p3

- a. Latest build 1.0.53 ; includes 117 enhancements or bug fixes and 11 new features since November 2001 training session at PSMFC in Gladstone.
- b. John performed on-line demonstration of new software.
- c. Status: Feature Locked (NO NEW FEATURES); fix bugs as they're reported; needs more testing
- d. PTSC: Please find time to test, or have someone in your organization test the new p3 program!

- e. See www.pittag.org/web/P3 for info, release notes, help file, down load etc.
 - f. PTSC was asked to recommend a training curriculum for p3. In lieu of recommendations from PTSC, PTOC recommends 4-6 hrs of high-level training on the application at selected locations. Perhaps one “Advanced” level training session in Portland, and Basic Training in selected locations (like Pasco & Boise) sometime in February. PTOC will send out an e-mail to the general PIT Tag Users list with RSVP information for training.
 - g. PTOC will look into setting up a newsgroup for p3 users.
7. Adult PIT Installations
- a. Antenna manufacturer has implemented new procedures to fix leaky antenna problem.
 - b. PSMFC is taking the lead to wet-test antennas.
 - c. PSMFC is working with COE contractors to install new system.
 - d. Kinks are being worked out, and work is proceeding.
8. PTSC discussed having a workshop in 2002. PTSC decided to postpone workshop for at least one year.