PIT Tag Information System
Columbia Basin

Newsletter

A Fisheries Data Project of the Pacific States Marine Fisheries Commission

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PIT Tag Reader Loaner Program

NICOLE TANCRETO (PTAGIS Portland Office)

PTAGIS and Bonneville Power Administration (BPA) are pleased to announce the start of a PIT tag reader loaner program to help make modern PIT tag readers available to BPA funded Fish and Wildlife projects at reduced costs.

BPA has requested that Columbia Basin Fish and Wildlife Programs discontinue use of Destron-Fearing FS2001 portable PIT tag readers as they are no longer supported by Biomark and may pose a safety hazard (see news item from June 11, 2018).

Figure 1. HPR Plus and HPR Lite PIT tag readers.

BPA has purchased two HPR Plus and seven HPR Lite readers to be part of the PIT tag reader loaner program initially. PTAGIS will house the readers and coordinate the loaner program. The readers will be available to borrow for up to three months at a time, with the option to extend the lending period as availability permits.

If you are interested in borrowing one of these readers for your BPA Fish and Wildlife project during the 2019 calendar year, please complete the form linked to below. 🌀

Loaner Request Form

2019 Annual PTSC Meeting

NICOLE TANCRETO (PTAGIS Portland Office)

The 2019 Annual PIT Tag Steering Committee Meeting took place in Portland, OR, on January 25, 2019. The following topics were discussed during the meeting:

- PTAGIS 2018 Accomplishments
- PTAGIS 2019 Plans
- Instream PIT Tag Detection Site Subcommittee Draft Charter
- Potential PIT Tag Workshop for 2021
- PTAGIS Data Specification
- Tag Mask Validation
- Editing of Inactive Tag Project Data to correct or standardize location information

The final notes from this meeting can be viewed in the Document Library, or downloaded directly.

PIT Tag Workshop Planned for 2021

NICOLE TANCRETO (PTAGIS Portland Office)

PTAGIS and the PIT Tag Steering Committee have had early discussions with BPA to host a PIT Tag Workshop during the first quarter of calendar year **2021**. Final approval and details on where and when the workshop will take place have yet to be decided, but we wanted to let the community know to assist with budgeting for the next few years.

We anticipate the format to be similar to past workshops. If you have suggestions for content, format or location, please let us know.
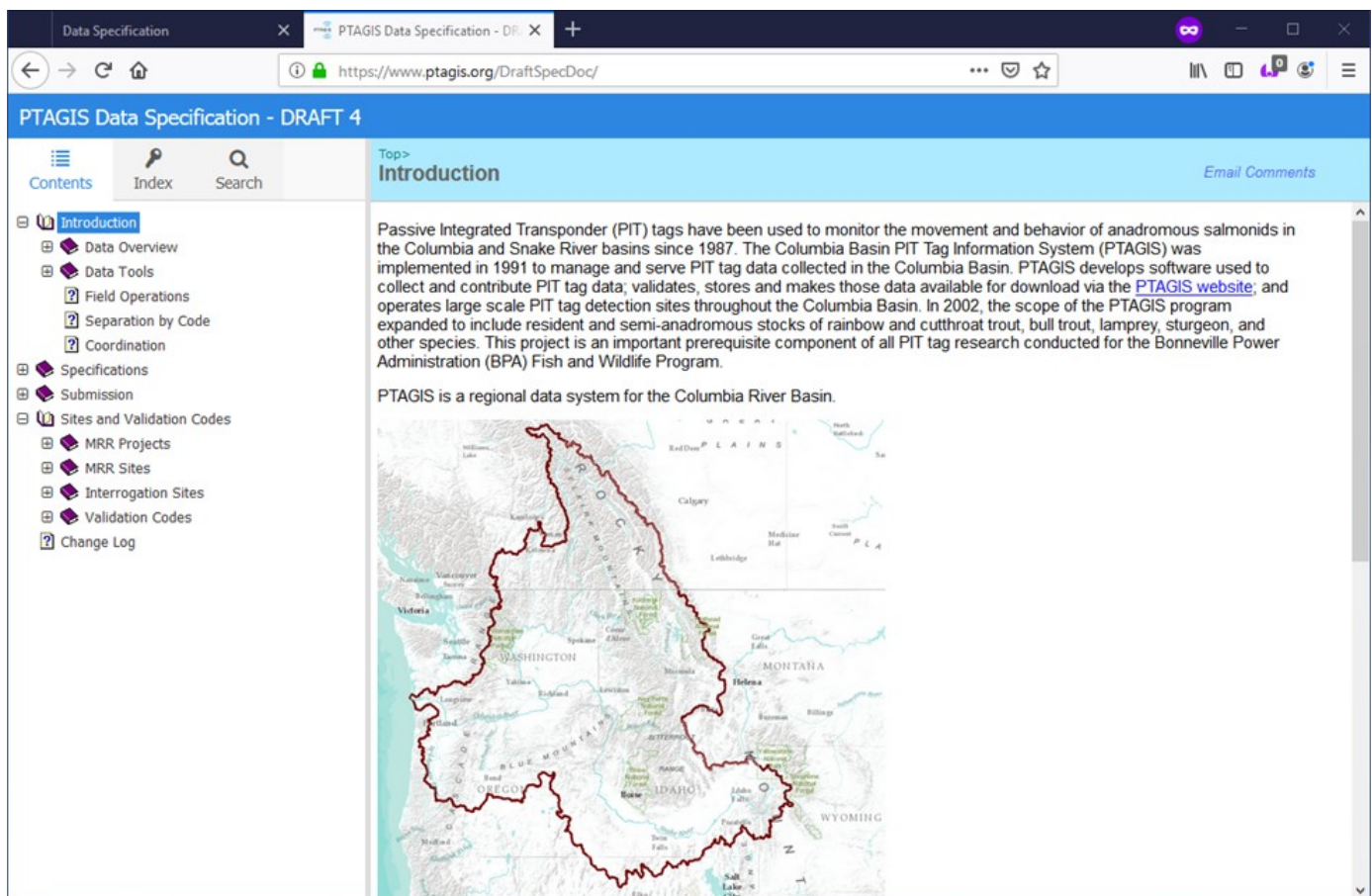
PTAGIS Data Specification

NICOLE TANCRETO (PTAGIS Portland Office)

The new iteration of the PIT Tag Specification Document, which is now called the PTAGIS Data Specification, has gone through a few rounds of revisions and was discussed at the annual PTSC meeting in January. A few tasks remain before the specification can be finalized, which we anticipate completing by the end of the year: 1) addition of a Changes in Terminology page, and 2) finalize validation code definitions.

The specification in its current form is the basis for all current MRR and interrogation data processing rules and validation checks. It should be consulted for field requirements, definitions and expected domain values. It also contains valid file format specifications for both MRR and interrogation data.

The PTAGIS Data Specification is available on the PTAGIS website Data Specification page. If you have any questions or comments about the specification, please contact us or a representative of the PIT Tag Steering Committee. ☺

Figure 2. Introduction to PTAGIS Data Specification.

End of Support for P4 Version 1.10 - 1.14

NICOLE TANCRETO (PTAGIS Portland Office)

PTAGIS will discontinue support for P4 versions **1.10 through 1.14** on July 1, 2019. Many bugs have been fixed and new features have been added since v1.14 was released over two years ago. We urge you to upgrade to the latest version of P4 available on the P4 software page.

The following P4 features will no longer function after July 1, and we will no longer provide technical support:

- Data submissions to PTAGIS
- Updates to Validation Codes
- P4 notifications

Some of the major changes since version 1.14 include:

- Addition of Scale ID field
- Added ability to set a password to restrict access to Configure and Manage
- Improved session export by allowing a default export folder to be set and to export directly from Data Entry
- Reworked Peripheral Device configuration
- Reworked Download Reader Files interface
- Changed all temperature fields to accept values from -2.0 to 25.0 degrees Celsius
- Added History panel to Data Entry that allows viewing records in current session in a table format
- Tag Actions can now be applied to imported data
- Added support for standalone GPS units to automatically enter lat/long coordinates during data entry
- Changed Dot-out Records from Tag List to Update Records from Tag List
- Added option to prompt user to update Repeating Values when creating or opening a Session in Data Entry
- Fixed many bugs

Please see the Release Notes for more information on the changes that have been made to P4 since the release of 1.14. ꙮ

New Tutorial Videos Published

NICOLE TANCRETO (PTAGIS Portland Office)

We have been working on a new series of tutorial videos to cover most features of P4. It's been about two years since PTAGIS held the initial P4 training sessions and recorded the final webinar session. That webinar recording and a short video on the new features added to P4 in version 1.15 have been the only training available for P4 since then. It is unlikely that PTAGIS will be able to provide any additional live training sessions until the next PIT Tag Workshop (planned for 2021), so we will be producing a series of short (5-10 minute) how to videos on specific features of P4. Currently there are three new videos completed and available on the Tutorials page: P4 Overview, Configure a PIT Tag Reader in P4, and How to Configure Input Devices in P4.

In addition to the P4 videos, a new advanced reporting video has been produced that shows how to find which fish travelling upstream to a target interrogation site were detected at a downstream site after being detected at the target site.

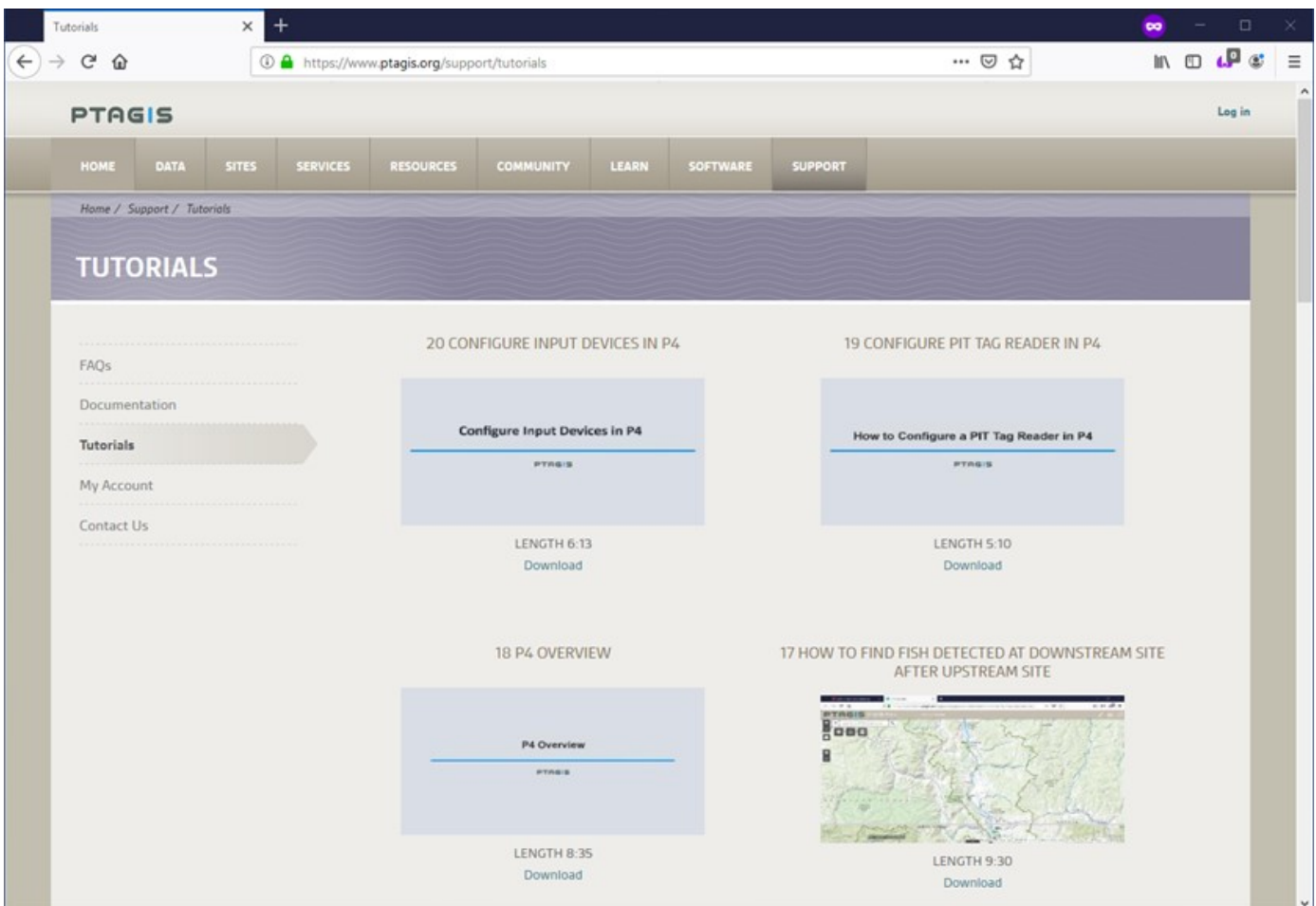If you have any requests or ideas for a tutorial video, please contact us. ⊙

Figure 3. Tutorials page on the PTAGIS website.

Biomark IS1001-MTS Firmware Update (v1.7.0)

STEVE ANGLEA (Biomark)

Biomark recently completed updates to the firmware for all IS1001-MTS associated devices. This includes the IS1001-Master Controller, IS1001 Antenna Control Node, IS1001 Data Logger (Flash drive), and IS1001 BLE Data Logger. The updates provide a variety of enhancements and new features. You can continue to use the existing firmware, but we always recommend the most recent versions are utilized to take full advantage of the IS1001-MTS features. The new firmware files can be downloaded here: Biomark - Firmware & Applications. Remember, the IS1001-Master Controller requires the IS1001-MC Application Firmware and the IS1001-MC CBG Board firmware.

Below is a summary of the key features added to each device:

IS1001-MC Application Firmware v1.7.0

- Implemented FDXB tag detection signal level measurement.

- Implemented Biomark BioTherm13 temperature detection.

- Added "Remote Communication Port Transfer Rate" setting.

IS1001-MC CBG Board Firmware v1.7.0

- Added support for FDXB tag detection signal level and Biomark BioTherm13 tag temperature.

IS1001 Application Firmware v1.7.0 (and v2.7.0 (12V))

- Implemented FDXB tag detection signal level measurement.

- Implemented Biomark BioTherm13 temperature detection.

- Added "Remote Communication Port Transfer Rate."

IS1001 Data Logger Firmware v1.7.0

- Changed default value for Dual-Reader Time Sync Delay. Dual-Reader time synchronization is always enabled, when Dual Reader Data Collection is enabled.

IS1001 BLE Data Logger v1.7.0

- Updated memory capacity (1M tag IDs, 55k reports).

- Added Unique Mode and Unique Delay options for RM310.

- Added "Remote Communication Port Transfer Rate" setting.

Please contact Biomark for any questions or technical support:

(208) 275-0011 or customerservice@biomark.com