




# PIT Tag Information System

## Columbia Basin

IPTDS Subcommittee Meeting  
August 31, 2022

# Meeting Agenda

- **13:00** Review actions from last meeting (Gabriel)
  - **13:15** Information sharing round robin (all)
  - **14:15** PTAGIS Interrogation Software Updates (John)
  - **14:30** Break
  - **14:40** PTAGIS Web Updates (Nicole)
  - **15:10** Biomark R&D and Novel Approaches (Kyle)
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## Review Action Items from Previous Meeting

- Kyle will send info to Subcommittee on how Biomark uses VTTs to assess site uptime
- Kyle will present at next meeting about Biomark R&D and solutions from other customers
- Kyle will send one of the two production model IS1001-mux to PTAGIS-Kennewick to ensure software compatibility
- Randy will work on finalizing the optional stream bottom profile section of the Site Diagram standards
- Brian and Derrek will work on an SOP for getting M5 running on a Raspberry Pi
- Brady will loop in the Subcommittee on region-wide prioritization work at BPA
- John and Nicole will review options for obfuscating locations for Subcommittee to review and potentially bring to PTSC
- John will present more information about operational metadata received through M5 at next meeting to discuss options for taking in this type of data from instream sites and making it available

## Option for Obfuscating Instream Site Locations

- **Move site location details from public side of the website to the dashboard:**
  - Anyone can get a PTAGIS account
  - Decreases usability for researchers looking for that information, but provides some resistance for casual users
  - Requires changes to the Interrogation Site Metadata and Map pages
  - PSMFC Fish Facilities Map and reporting system

# Option for Obfuscating Instream Site Locations

Location

Coordinates: 45.215252, -117.900689 | River Km: 522.271.232.025

The map displays a river network with a blue line representing the 'CATHEC - Catherine Creek' site. A popup window provides detailed metadata for the site. The popup text is as follows:

(Catherine Creek at Union) is a Instream Remote Detection System site located on the Catherine Creek, tributary to Grande Ronde River.

**PTAGIS Site Metadata**

Status: active (2018 - 2022)  
River kilometer: 522.271.232.025  
Operations Organization: ODFW  
Facility ID: 50279  
Facility Name: Catherine Creek at Union  
LocationID: 1178722453139 (@ 80,838')  
Latitude: 45.21525  
Longitude: -117.90069  
HUC8 Subbasin: Upper Grande Ronde (17060104)  
HUC10: 1706010405, HUC12: 170601040507

Zoom to

Imagery with Labels

0 50 100ft

Bureau of Land Management, State of Oregon, State of Oregon DOT, State of Or...

# Site Contact Role Types

Role types are used by PTAGIS for

- Point of contact for user questions
- Data submission authorization (new with M5 files)
- Event log submission (not yet implemented, do we need it?)
- Notifications
- Responsibility for data quality and site metadata

## Contacts

**PRIMARY CONTACT:**

Brian Davis

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503-975-9898

**DATA STEWARD:**

Rikeem Sholes

[rikeem\\_sholes@fws.gov](mailto:rikeem_sholes@fws.gov)

504-982-5075

# Site Contact Role Types


## Current Role Types

- **Data Steward**
  - **Primary Contact**
  - **Interested Party**
  - **Site Technician (new)**
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## Site Contacts


### Data Steward

- **Ultimately responsible for data management and submissions**
  - **Contact info associated with site and data from that site**
  - **Must have PTAGIS account**
  - **Can update site metadata, submit data, submit event logs**
  - **One per site**
- 



# Site Contacts

## Primary Contact

- **Person ultimately responsible for day-to-day site operations**
  - **Contact info associated with site and data from that site**
  - **Must have PTAGIS account**
  - **Can update site metadata, submit data, submit event logs**
  - **One per site**
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## Site Contacts

### Site Technician

- **Person tasked with some data management or site maintenance**
- **Contact info NOT associated with site and data from that site**
- **Do not need a PTAGIS account (to submit data)**
- **NOT able to update site metadata**
- **Able to submit data and event logs**
- **Can have multiple per site**

## Site Contacts

### Interested Party

- **Receives notification emails from site: data submission results and event logs**
  - **Contact info NOT associated with site and data from that site**
  - **Does not need PTAGIS account**
  - **NOT able to update site metadata, submit data or event logs**
  - **Can have multiple per site**
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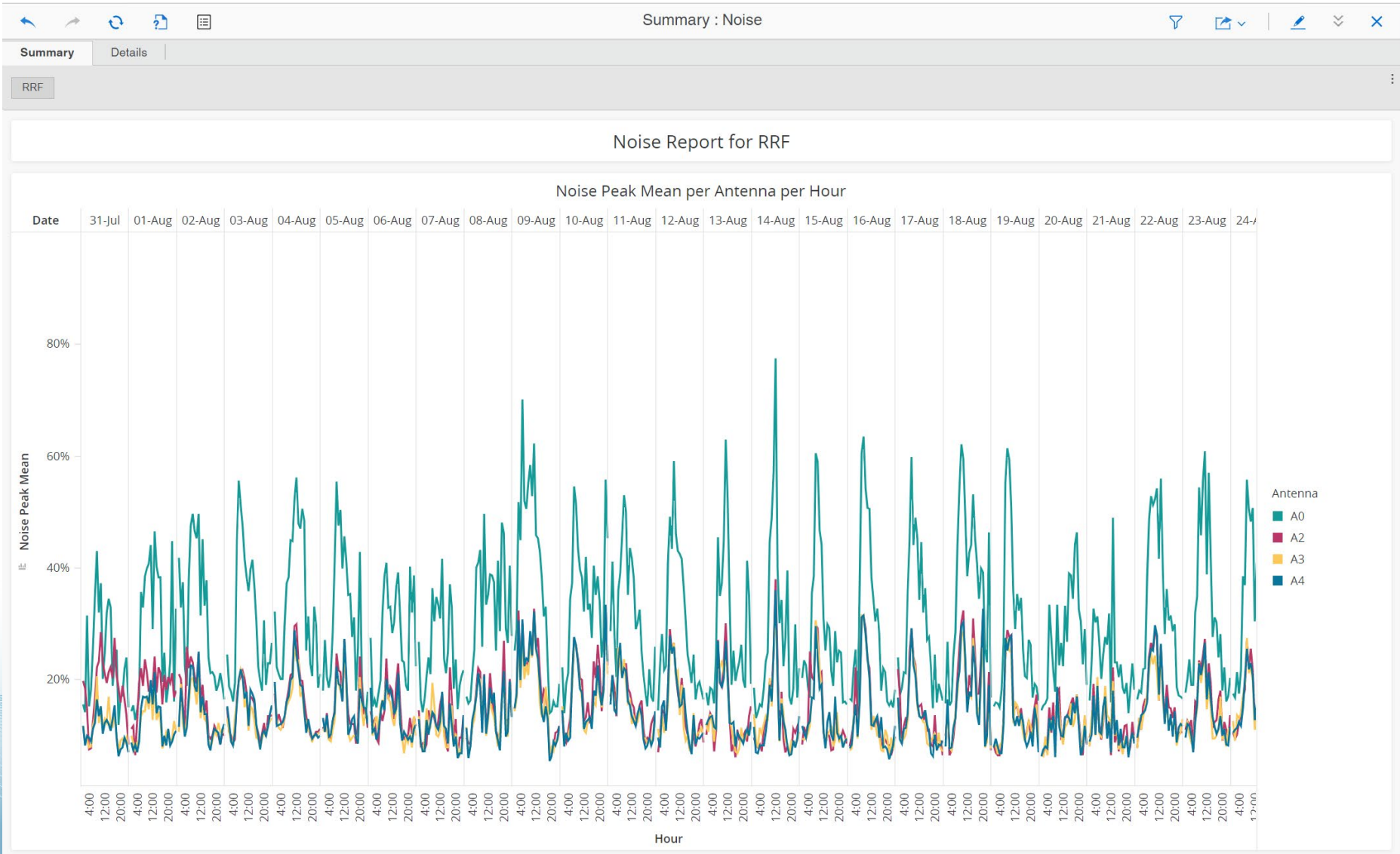
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# Transceiver Diagnostics – Noise Report





## Transceiver Diagnostic Metadata – M5

- **M5 records raw transceiver output**
- **Parsed on server**
- **Diagnostic messages currently NOT parsed from Mux or MC**



## Transceiver Diagnostic Metadata – I5

- **I5 currently only parses tag codes and time stamps**

### **I5 Submitters as of Monday**

- **75 sites**
- **27 use IS1001**
- **32 use MC**
- **8 use Mux**
- **12 use other transceivers (RM310, QuBE, etc.)**

## **Transceiver Diagnostic Metadata**

### **Timer tags possible to do right now**

- **Guidelines for timer tag frequency?**

### **Necessary for Noise Reports**

- **Update server to parse noise reports from instream transceivers**
  - **Update I5 to write noise report messages into files**
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