Major Project Foci

- Successful deployment of CDMS to the tribes and CRITFC
- Modernization of the ITMD “data center”
- Support several other Accords projects
- ISRP Review
- Replanning of the BPA and EPA projects
Deployment of CDMS to the tribes and CRITFC

- As of last September:
  - CDMS installed at Nez Perce, Warm Springs, and CRITFC
  - Personnel at all three locations were trained in its use
- CRITFC now serving as Help Desk
- CRITFC has uploaded 12 million water quality records
Modernization of the ITMD “data center”

- Moved to new hardware platforms and retired old servers
- Upgraded from Windows 2008 to Windows 2016
- Upgraded to SQL Server 2016
- Created split Dev and Prod environments
- Multiple actions to improve security
Supported several other Accords projects

- Supported Nez Perce and Zone 6 harvests
- Developed Anoto pen application for Warm Spring screwtrap
- Developed specifications for new Kelt data capture application
  - RTR developed the system on contract
  - Uses tablets in the field (in Otter boxes)
  - Simplifies data entry with menus, radio buttons, etc.
  - Expected to reduce data errors
  - Good review so far from users
## Samples Form

- **Process Date**: 04/15/19 10:55:43
- **Spawn Year**: 2018
- **PIT-Tag**: 
- **PIT Status**: DUP TAG, Existing, RETAG
- **Origin**: DNFHLAD, LGDJS
- **Collection Date (Kelts-in)**: 
- **Flagged Fish Resolved?**: Yes, No
- **Flag Comment**: 
- **Blood Draw #**: 
- **Blood Sample ID**: 
- **Other ID**: 
- **Ad Clip**: Yes, No
- **Sex**: Male, Female
- **Condition**: Very Good, Good, Fair, Poor
- **Length (cm)**: 
- **Weight (kg)**: 
- **Fat Meter**: 
- **Ovary Weight**: 
- **Treatment**: Oxytet, Emamectin
- **Other Treatments**: 
- **Fish Status**: MRT, REL, RET
- **Tank From**: NPTH1, NPTH2, DNFH1, DNFH2, DNFH3, DNFH4
- **Fish To**: NPTH1, NPTH2, DNFH1, DNFH2, DNFH3, DNFH4
- **Comment**: 

[Next Fish button]

[Record 1 of 1]
Supported Several Other Accords Projects

- Optimized genetics computations to significantly reduce run time
- Reviewed the CIS system and made recommendations on how to move forward to the project team
- Set up a tools environment for CRITFC genetics researcher
- Developed software framework for up/downloading data to/from the Amazon cloud
This year the ITMD project was due for review by the BPA’s ISRP (independent scientific review panel)

ISRP members are scientific academics who judge the scientific merit of BPA projects

Denise, Tom Iverson, and I created the proposal and submitted it for review in January (all 44 pages of it)

In mid-February I presented a series of slides to the panel summarizing the project
  - Slides well received
  - One panel member said he believed the project was “underfunded”

Received review results earlier this month and we passed muster

Have been invited to have a direct conversation with the panel in the near future
Replanning of the BPA and EPA projects

- And finally, significantly revised both BPA and EPA project budgets in order to fund CDMS activities in the last 12 months
- It was a whole lot of paperwork
And Next

- Continue loading data into CDMS
- Establish first cut at CDMS metadata standards and develop software to support these
- Establish ability to upload data into CAX and WQX
- Test and deploy framework to store CRITFC data offsite in the cloud
- Plan and execute modernizations of several software systems we support
- Continue to track technical innovations