Confederated Tribes of Warm Springs

2019 Updates

Cyndi Baker, Fisheries Research Supervisor
2018 Goals

- Implement CDMS
  - Set up hardware/software and launch CDMS
- Continue progress with WS CDMS Working Group – Fisheries RM&E, John Day Habitat, and Water & Soils
  - Add other working groups (Hood River Program, Forestry, Wildlife, Range)
- Continue appending new data to databases for eventual upload into CDMS
  - Redd counts, outmigrant traps, lamprey mark-recapture, etc.
- Expand use of electronic data capture
Accomplishments

- **Implement CDMS**
  - Jan – May 2018, we received hardware, loaded programs, configured network/servers with help of Javin, IT manager, Rick at CTWS and CRITFC
  - August 2018, Ken and Colette came to help us launch CDMS
  - Since then, we’ve been formatting and uploading water temperature data from 1996 to 2017, 72 sites

- **Coordination with WS CDMS Working Group**
  - Met regularly until July but staff turnover and pressing contract work put regular meetings on hold
  - Continued working to gather all known water temperature data for CDMS upload

- **Appending data into non-CDMS databases (for later uploading)**
  - Uploaded all 2017 and 2018 data into databases

- **Electronic data capture**
  - Anoto Live digital pen system – outmigrant trap (Denise Kelsey, CRITFC)
  - iPad/ESRI Collector – redd counts, radio telemetry (Marissa Stradley, CTWS)
Challenges

- **Staff turnover**
  - New Data Steward – Lyman Jim
  - CDMS Working Group members, biologists in all programs
- **Re-organization of CTWS Fisheries Dept.**
  - Unsettled – don’t know who will be doing what
- **Lack of permanent staff dedicated to data management**
  - Contract driven – some people need to get off the hamster wheel to manage data!
    - Some of us are spread too thin between contract work and data management – working on hiring/training staff
  - Need dedicated staff to more effectively develop capacity
  - Need to hire specialized staff and define roles/responsibilities
On the brighter side...

- New Fisheries Program Manager, Chris Brun, is supportive of our efforts to:
  - Improve data management and agrees with having permanent, dedicated staff
  - Bring other programs within CTWS Fisheries into data management effort (Parkdale, WS Habitat)
  - Share more summarized data on CAX

- Re-organization will result in better use of staff time/expertise and place on “org chart” for data management

- New staff in Fisheries Research, Habitat, and Water & Soils brings new energy

- Lyman will be an effective data steward who will guide development of our data management system and provide leadership for our CDMS Working Group
Things to Work On

- Develop a data management strategy
  - Need to identify roles as per needs assessment
- Continue to improve the capacity and efficiency of data management systems
  - More electronic data capture across all projects
  - Train staff
  - Continue appending new data to existing data bases that will eventually be uploaded into CDMS
- Re-start WS CDMS Working Group
  - 2/3 new members
  - Development of CDMS ties in with objective of developing a “Warm Springs Reservation Habitat Restoration Effectiveness Monitoring Plan”
  - Continue uploading data to CDMS and learn how to use report templates
  - Involve more staff – biologists, technicians, and acquire dedicated staff
  - Create work plan with clear tasks and mark accomplishments (as per assessment)
- Inventory and store data recorded on paper
  - Set up metal fire- and rodent-proof shipping container for data storage
  - Inventory data and have techs enter as much as possible electronically
Consolidation of data – many apps/platforms

Data Collection
- rite-in-the-rain
- magic pen
- other downloads (FDX/HDX)
- P4 (limited PCs)
- ESRI Collector/iPAD
- Filemaker

Excel

Panorama DB

MAC/ Dropbox

Filemaker Server (subscription)

PTAGIS

SQL server 1
CDMS

Arc Map

Filemaker Report

Google Maps

CAX

SQL Report

Report to BPA

user: managers/bios
access to internet

user: managers/bios
access to intranet

Web server 2

user: Pisces/email from bio

How to handle downloads from multiple sites??