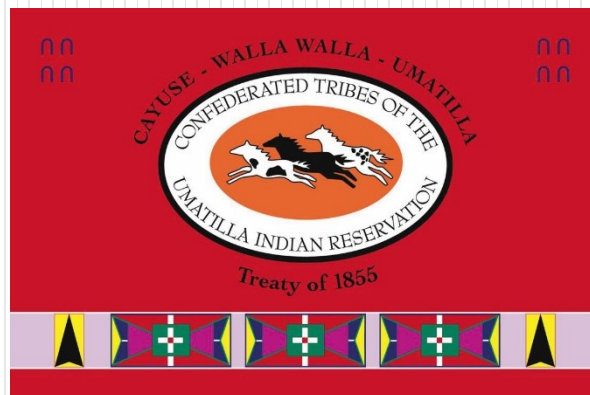


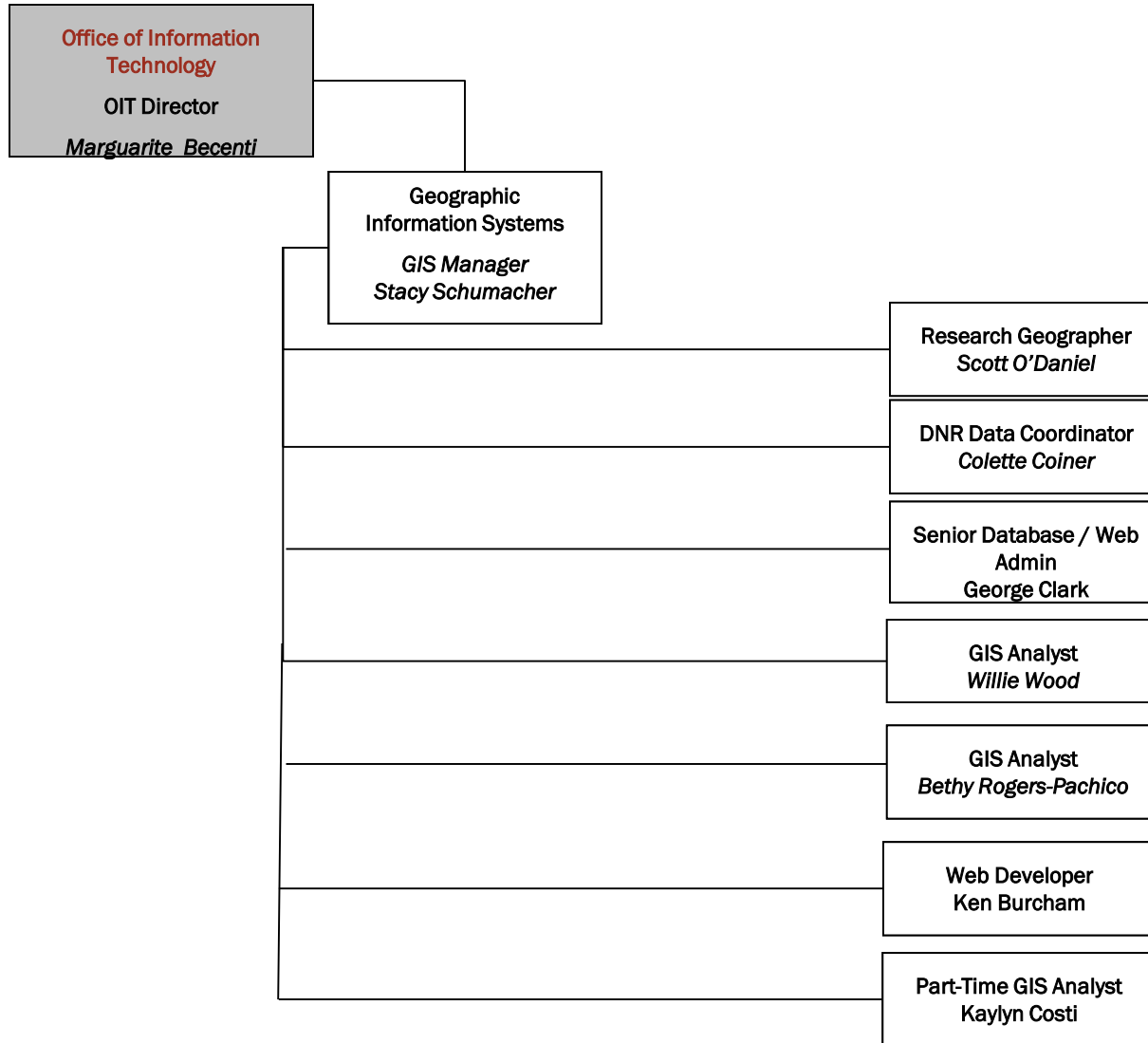
# Office of Information and Technology

## Geographic Information Systems

### Progress Report 2019



# Organizational Chart



# Mission and Goals

Office of Information Technology:  
GIS.

## Mission Statement:

Promote and facilitate the collection, maintenance and beneficial use of geographic information within tribal government.

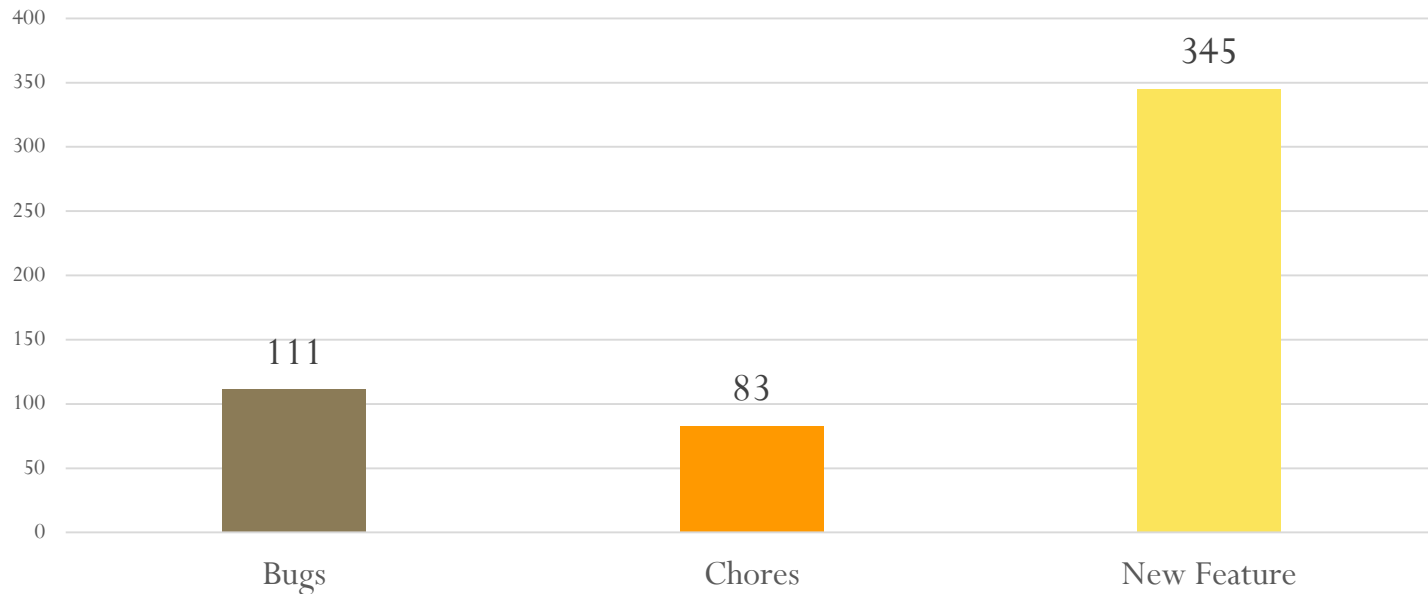
## Goals:

- Encourage the beneficial use of geographic information systems by other tribal programs.
- Develop and maintain infrastructure which supports the use of geographic information by tribal government and tribal members.
- Provide a set of high-quality cartographic products that can be produced for tribal government and tribal members.
- Provide expert analysis of geographical problems using statistical, geocomputational, and visual methods.

# Accomplishments / Progress

## Office of Information Technology: GIS

The GIS Program completed 539 work order tickets related to the CDMS.



# Accomplishments / Progress

## Office of Information Technology: GIS

Completed Permits module to manage permitting workflow for Planning Office.

Tracks inter-department Reviewers, Inspections, all permit documents.

Integrates with GIS Zoning, Parcels and provides interactive Permit Map.

Replaced their legacy Access database with full-featured web app.

Search **All** Issued Applications Archived Assigned to me [New Permit](#)

**Permits: All**  
Permits displayed: 4214

| Project Name                  | Permit Type             | Permit Number | Improvement Type              | Site Address                    | Application Rec'd | Permit Status   | Status Date |
|-------------------------------|-------------------------|---------------|-------------------------------|---------------------------------|-------------------|-----------------|-------------|
| Brown MF Home Replacement     | Development Permit      | DP-20-007     | Manufactured Home-Replacement | 46509 Brahman Way               | 01/24/2020        | Under Review    | 01/24/20    |
| Siye Mechanical               | Development Permit      | DP-20-006     | Mechanical                    | 401 NE 35th St                  | 01/23/2020        | Under Review    | 01/23/20    |
| BPA danger trees              | Forest Practices Permit | FP-20-001     | Forest Practice               | various                         | 01/07/2020        | New Application | 01/23/20    |
| Pankratz Shed                 | Development Permit      | DP-20-002     | Access Building               | 54720 Bingham Rd                | 01/06/2020        | Approved        | 01/16/20    |
| PPL Line for Casino Expansion | Development Permit      | DP-20-003     | Utility Poleline              | Tutuilla Rd. Goad Rd to Hwy 331 | 01/06/2020        | New Application | 01/16/20    |
| Nash Electrical               | Development Permit      | DP-20-004     | Electrical                    | 46271 Best Rd                   | 01/06/2020        | Approved        | 01/15/20    |

Permit Status Details Activities Fee

**Brown MF Home Replacement (Under Review)**

General Information Location Information Contacts

Project Name: Brown MF Home Replacement  
Permit Type: Development Permit  
Permit Number: DP-20-007  
Improvement Type: Manufactured Home-Replacement  
Application Rec'd: 1/24/2020  
Permit Status: Under Review  
Status Date: 1/24/2020  
Status By: Dani Schulte  
Reviewed By: Holly Anderson  
Issued By:   
Issue Date:   
Expire Date:   
Permit Conditions:   
Site Address: 46509 Brahman Way  
Site City: Pendleton  
Site State: OR  
Site Zip: 97801  
Business Name:   
Is Flood Hazard Overlay:   
Zoning: Ag-1  
Other Information  
Close Date:   
File Status: Active  
GIS Update Required:   
GIS Update Completed:   
Close Date:   
File Status: Active  
GIS Update Required:   
GIS Update Completed:

### Permit Review Routing Taskboard

Permits displayed: 48

| Main Reviewer  | Permit #   | Status          | Project Name                             | TPO | BldgC |
|----------------|------------|-----------------|--|-----|-------|
| Holly Anderson | DP-20-009  | New Application | TCI Fire Alarm Upgrade                   | ○   |       |
| Holly Anderson | DP-20-007  | Under Review    | Brown MF Home Replacement                | ●   | N/A   |
| Dani Schulte   | DP-20-006  | Under Review    | Siye Mechanical                          | ●   | N/A   |
| Patty Perry    | FP-20-001  | New Application | BPA danger trees                         | ○   | N/A   |
| Holly Anderson | DP-20-003  | New Application | PPL Line for Casino Expansion            | ○   | N/A   |
| Patty Perry    | DP-20-001  | New Application | Ben Truck Repair Site Improvements       | ○   | N/A   |
| Patty Perry    | DP-19-080  | New Application | UEC 643 pole replacement                 | ○   | N/A   |
| Holly Anderson | DP-19-079  | New Application | McDonalds Remodel                        | ○   |       |
| Dani Schulte   | ZV-19-009  | Under Review    | Dickerson Floodplain Dev                 | ●   | N/A   |
| Patty Perry    | ROW-19-010 | New Application | NW Pipeline WW461 access                 | ○   | N/A   |
| Patty Perry    | ROW-19-009 | Under Review    | NW Pipeline NFKMcKay Creek               | ●   | N/A   |
| Patty Perry    | DP-19-071  | Under Review    | PW Isquiltpe Crk Rd repair               | ●   | N/A   |
| Dani Schulte   | DP-19-058  | Under Review    | Townsend Remodel                         | ●   | N/A   |
| Holly Anderson | DP-19-055  | Under Review    | Tutuilla Presbyterian Church Cemetery... | ●   | N/A   |
| Patty Perry    | ROW-19-005 | Under Review    | UPRR Communication Access Renewal        | ●   | N/A   |
| Dani Schulte   | DP-19-050  | Under Review    | Yellowhawk Greenhouse                    | ●   | N/A   |
| Colee Mayfield | SDP-19-005 | Under Review    | Loiland Sanitation                       | ●   | N/A   |
| Patty Perry    | ROW-19-004 | Under Review    | UEC Project 378 - Short Mile             | ●   | N/A   |

# Accomplishments / Progress

## Office of Information Technology: GIS

Created a module for Environmental Health and Safety to track complaints and violations.

Integrates with our Permits module.

Manages site visits, correspondence, and documents.

Search

All

Complaints

Violations

Resolved

New Complaint/Violation

Violations: All

Records displayed: 6

| Name              | File Number | File Type | Create Date | Violation Start Date | Violation Resolved Date | Status Update Date | Reviewer       | Violation Offenses                                     |
|-------------------|-------------|-----------|-------------|----------------------|-------------------------|--------------------|----------------|--|
| Messy Bedroom     | EHS-20-006  | Complaint | 03/25/2020  | 03/01/2020           |                         | 03/25/2020         | Colee Mayfield | Junked items, Manure spill, Open dumping, Sewage issue |
| Isaac Ave         | EHS-20-007  | Complaint | 03/26/2020  | 03/01/2020           |                         |                    | Colee Mayfield | Open dumping, Sewage issue, Other                      |
| Mason St          | EHS-20-008  | Violation | 03/26/2020  | 12/01/2019           | 05/01/2020              | 05/03/2020         | Colee Mayfield | Other  |
| Test 1 Main Page  | EHS-20-009  | Complaint | 04/01/2020  | 04/01/2020           |                         |                    | Colee Mayfield | Lead paint   |
| Test 2 Activities | EHS-20-010  | Complaint | 04/01/2020  | 04/01/2020           | 04/12/2020              | 04/01/2020         | Colee Mayfield | Sewage issue   |
| Example St        | EHS-20-011  | Violation | 04/03/2020  | 04/01/2020           | 05/10/2020              | 04/05/2020         | Colee Mayfield | Open dumping   |

Details

Activities

Code Violations

Mason St (Violation)

File Information

Site Information

Involved Parties

Involved Parcels

Parcel Violation History

Routing

Notifications

Name: Mason St

File Number: EHS-20-008

File Type: Violation

Create Date: 3/26/2020

Violation Start Date: 12/1/2019

Violation Resolved Date: 5/1/2020

Status Update Date: 5/3/2020

Reviewer: Colee Mayfield

Violation Offenses: Open dumping  
Lead paint  
Sewage issue  
Other

Violation Description: Example example example

Violation Status: Founded

Status Updated By: Colee Mayfield

Comments: Example example example.

Site Name: Example House

Site Address: 1243 A Ave

Site City: Pendleton

Site State: OR

Site Zip: 97801

Primary

Contact

Type

Modify

John Doe

Occupant

Parcel Id

PLSS

GIS

2N25000000600

T2N R35E Sec. 3

Cadaster

T2108

T2N R33E Sec.9

Cadaster

CRPP

BIA

DCFCS

Planning

Public Safety

Yellowhawk

Water Resources

File Number

Name

Parcel Id

EHS-20-007

Isaac Ave

2N25000000600

EHS-20-011

Example St

2N25000000600

EHS-20-011

Example St

T2108


# Accomplishments / Progress

## Office of Information Technology: GIS

Created a module for supervisors to track COVID-19 work assignments for all government staff.

This allows us to report COVID-19 mitigation workforce effects.

We were able to build and deploy this tool in 2 days at the request of the Executive Director.



CDMS 2

[Home](#) [Projects](#) [Datasets](#) [Tools](#) [COVID-19 Work Station](#)

[Feedback](#) [Marguarite](#)

### Staff you supervise

Use the grid below to record the working status of each member of your program or department.

Instructions: Double click a cell to edit. Click a cell and click "Copy right" to fill in the cells to the right with that value.

Note: These records represent information voluntarily contributed by staff members.

[Cancel/Reload](#) [Save](#)

| Staff Name           | Program/Dept | Status    | Access        | Unique? | Notes                     | 3/16/20        | 3/17/20        | 3/18/20        | 3/19/20        | 3/20/20        |    |
|----------------------|--------------|-----------|---------------|---------|---------------------------|----------------|----------------|----------------|----------------|----------------|----|
| Bethy Rogers-Pachico | GIS          |           |               |         |                           | Admin leave    | Admin leave    | Admin leave    | Admin leave    | Admin leave    | V  |
| Colette Coiner       | GIS          |           |               |         |                           | Work from home | Work from home | Work from home | Work from home | Work from home | V  |
| George Clark         | GIS          | Essential |               |         |                           | Work from home | Annual leave   | Work from home | Work from home | Work from home | V  |
| Kaylyn Costi         | GIS          |           |               |         |                           | Work from home | Work from home | Work from home | Work from home | Work from home | V  |
| Ken Burcham          | GIS          |           |               |         | ICT member                | Work from home | Work from home | Work from home | Work from home | Work from home | V  |
| Scott O'Daniel       | GIS          |           |               |         |                           | Work from home | Work from home | Work from home | Work from home | Work from home | V  |
| Stacy Schumacher     | GIS          | Essential |               |         |                           | Work from home | Work from home | Work from home | Work from home | Work from home | V  |
| Willie Wood          | GIS          |           |               |         |                           | Admin leave    | Admin leave    | Admin leave    | Admin leave    | Admin leave    | A  |
| Azura Dee Gaige      | ITS          | Essential |               |         |                           | In office      | In office      | In office      | In office      | In office      | In |
| Brenda Carlson       | ITS          | Essential |               |         |                           | Work from home | Work from home | Work from home | Work from home | Work from home | V  |
| Chris Dennett        | ITS          | Essential |               |         |                           | Work from home | Work from home | Work from home | Work from home | Work from home | V  |
| Darnell Becenti      | ITS          | Essential |               |         |                           | In office      | In office      | In office      | In office      | In office      | In |
| Doug Harral          | ITS          | Essential |               |         |                           | In office      | In office      | In office      | In office      | In office      | In |
| Kyle Sykes           | ITS          | Essential |               |         |                           | Work from home | Work from home | Work from home | Work from home | Work from home | V  |
| Matt Underwood       | ITS          | Essential |               |         |                           | Work from home | Work from home | Work from home | Work from home | Work from home | In |
| Michael Bitrick      | ITS          | Essential |               |         |                           | Work from home | Work from home | Work from home | Work from home | Work from home | V  |
| Nick Servi           | ITS          | Essential |               |         |                           | In office      | In office      | In office      | In office      | In office      | In |
| Theresa Ulrich       | ITS          | Essential |               |         |                           | In office      | In office      | In office      | In office      | In office      | In |
| Warren Moses         | ITS          | Essential |               |         |                           | Work from home | Work from home | Work from home | Work from home | Work from home | V  |
| Marguarite Becenti   | OIT Admin    | Essential |               |         | ICT member                | In office      | In office      | In office      | In office      | In office      | V  |
| Janene Morris        | Records      | Essential | Home internet | Yes     |                           | In office      | Work from home | Work from home | Work from home | Work from home | V  |
| Melissa Bob          | Records      | Essential | Home internet | Yes     | Funeral Leave 3/16 - 3/20 |                |                |                |                |                | V  |
| Sheena Robledo       | Records      | Essential | Home internet | Yes     |                           | In office      | Work from home | Work from home | Work from home | Work from home | V  |

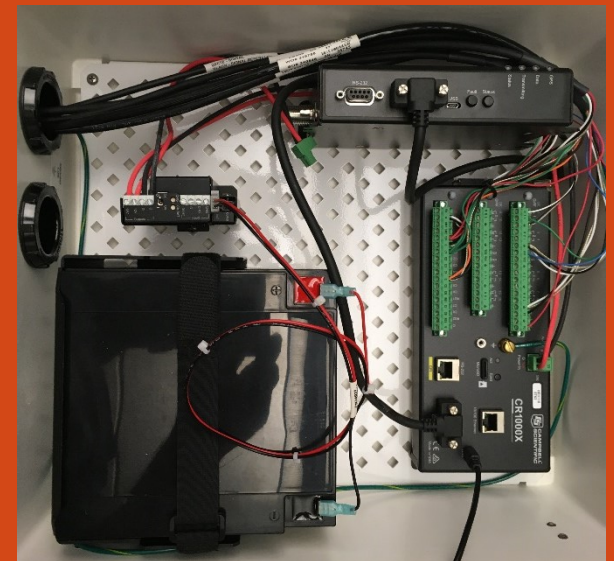
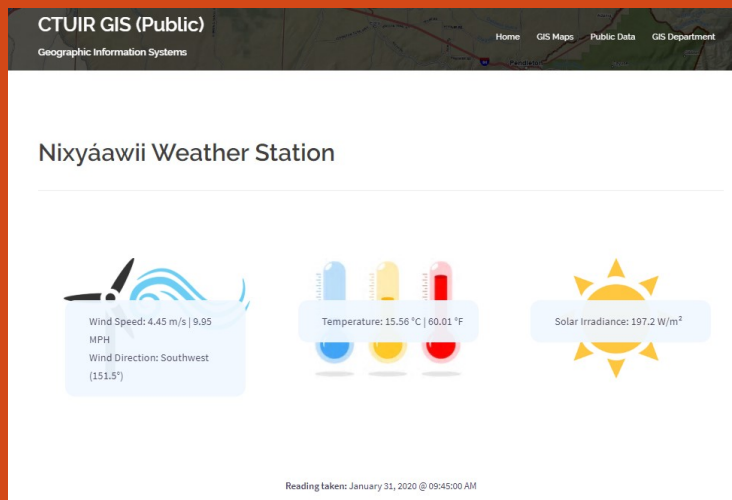
[Add Employees](#)

[Cancel/Reload](#) [Save](#)

# Accomplishments / Progress

## Office of Information Technology: GIS

- Created Metstation dataset for EESP, RAF weather data
- Assemble and configure Huckleberry Weather Station (with RAF)
- Created live weather widget <http://gis.ctuir.org/weather> (with EESP)
- Integrated with GeoOptix API to download Biomonitoring data
- Completed draft of CTUIR Web Governance Policy
- Conducted CTUIR.org migration survey, began Needs Assessment
- Created Habitat basin websites
- Supported use of Tribal CDMS for CRITFC member tribes
- CUJ Website created
- Maintain CTUIR.org, CDMS



# Accomplishments / Progress

## Office of Information Technology: GIS

Worked with University of Washington Geography students to analyze trends in years of invasive weed survey data. The preliminary findings could already suggest more thorough data collection strategies for the future.

The datasets has 12,304 records of weed locations. Data has been collected since 2005.

Confederated Tribes of the  
Umatilla Indian Reservation  
46411 Trmine Way  
Pendleton Oregon 97801  
(541) 276-3166

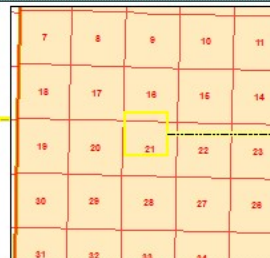


yellow star-thistle

Date Collected =  
6/5/2019 7:00:00 AM

### Legend

 Weed Inventory Location



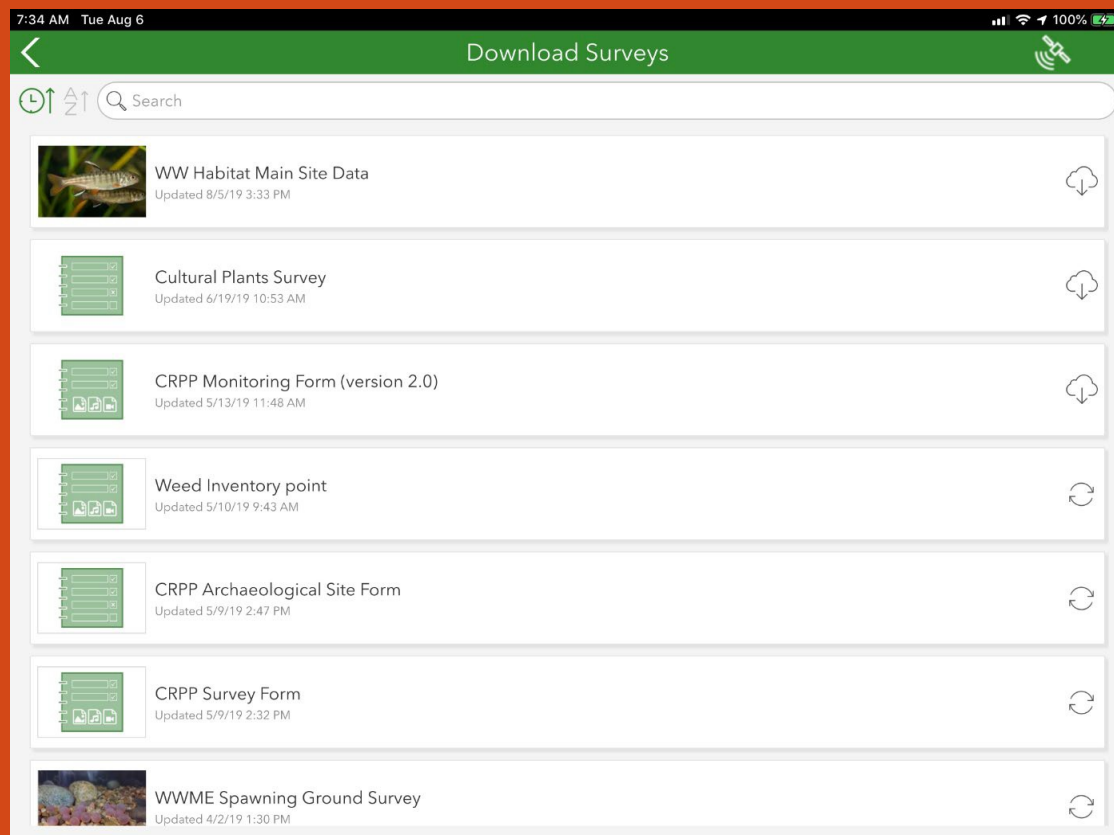
# Accomplishments / Progress

## Office of Information Technology: GIS

### Survey 123 -> CDMS

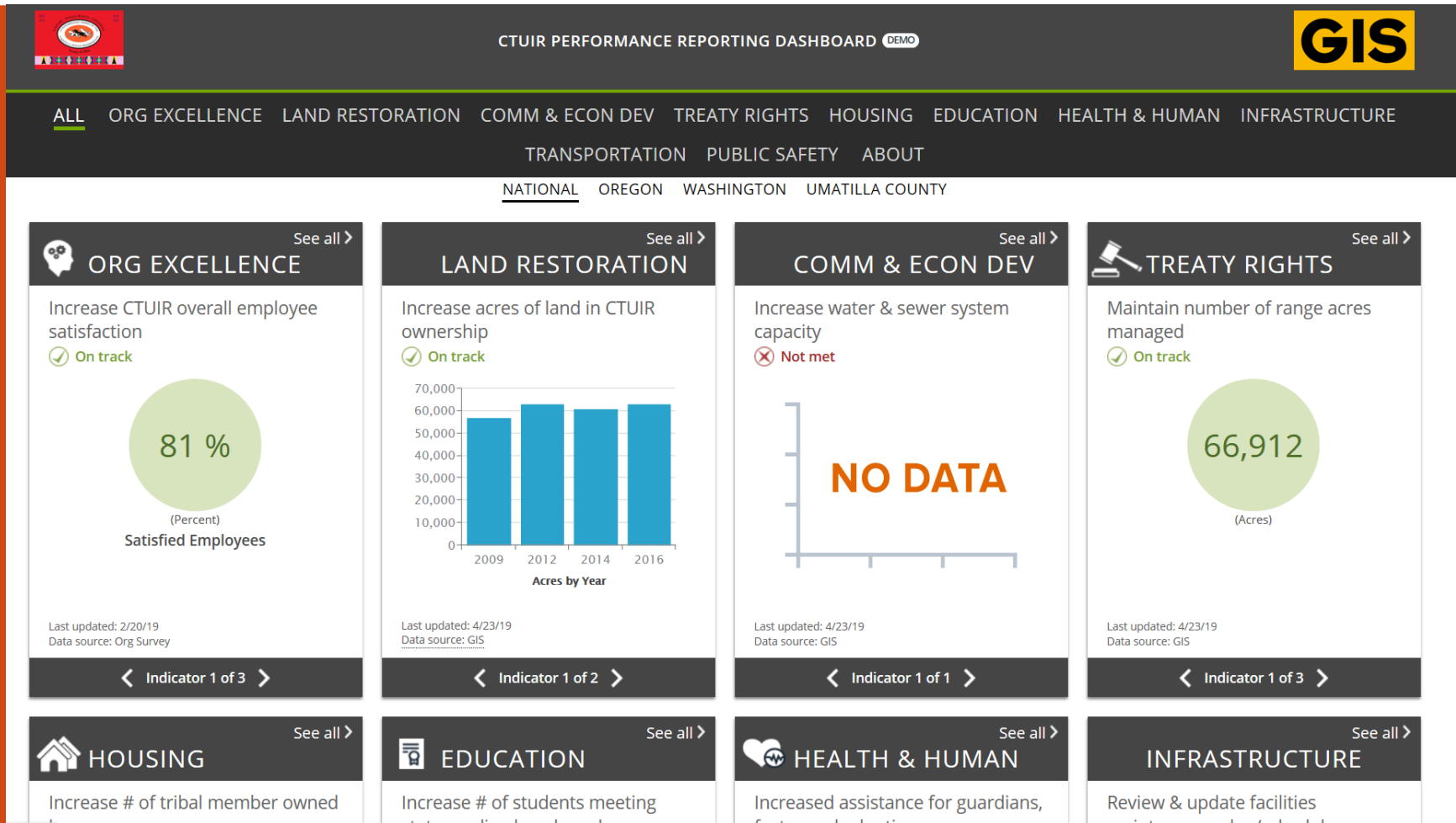
Using Survey123 we can collect field data and sync to our ArcGIS Enterprise, then to CDMS. We envision a 3 step collection process:

1. Collect field data in Survey123 app
2. QA/QC web map in the office
3. Push data to the proper CDMS dataset via Python CDMS API Client



# Accomplishments / Progress

## Office of Information Technology: GIS

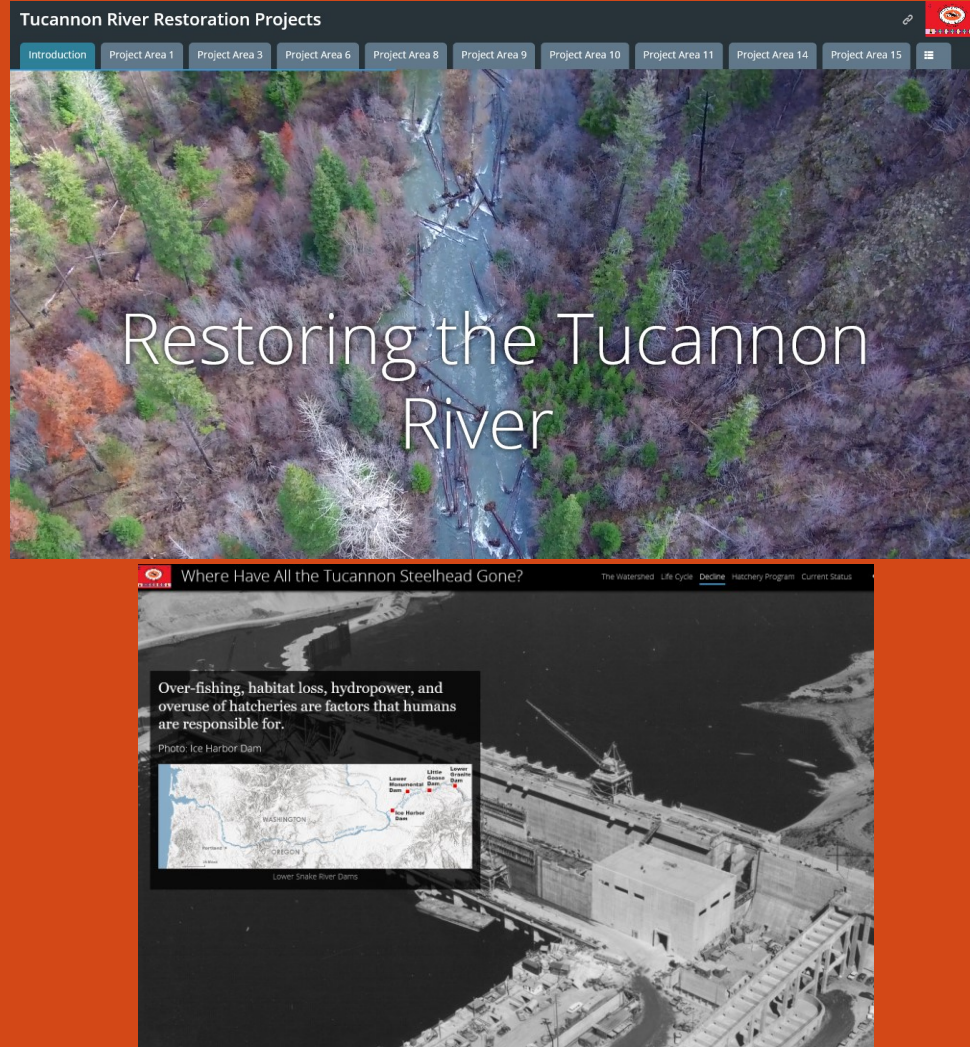


# Accomplishments / Progress

## Office of Information Technology: GIS

[tucannonriver.org/](http://tucannonriver.org/)

Created two  
story maps for  
the Tucannon  
Fisheries  
Project

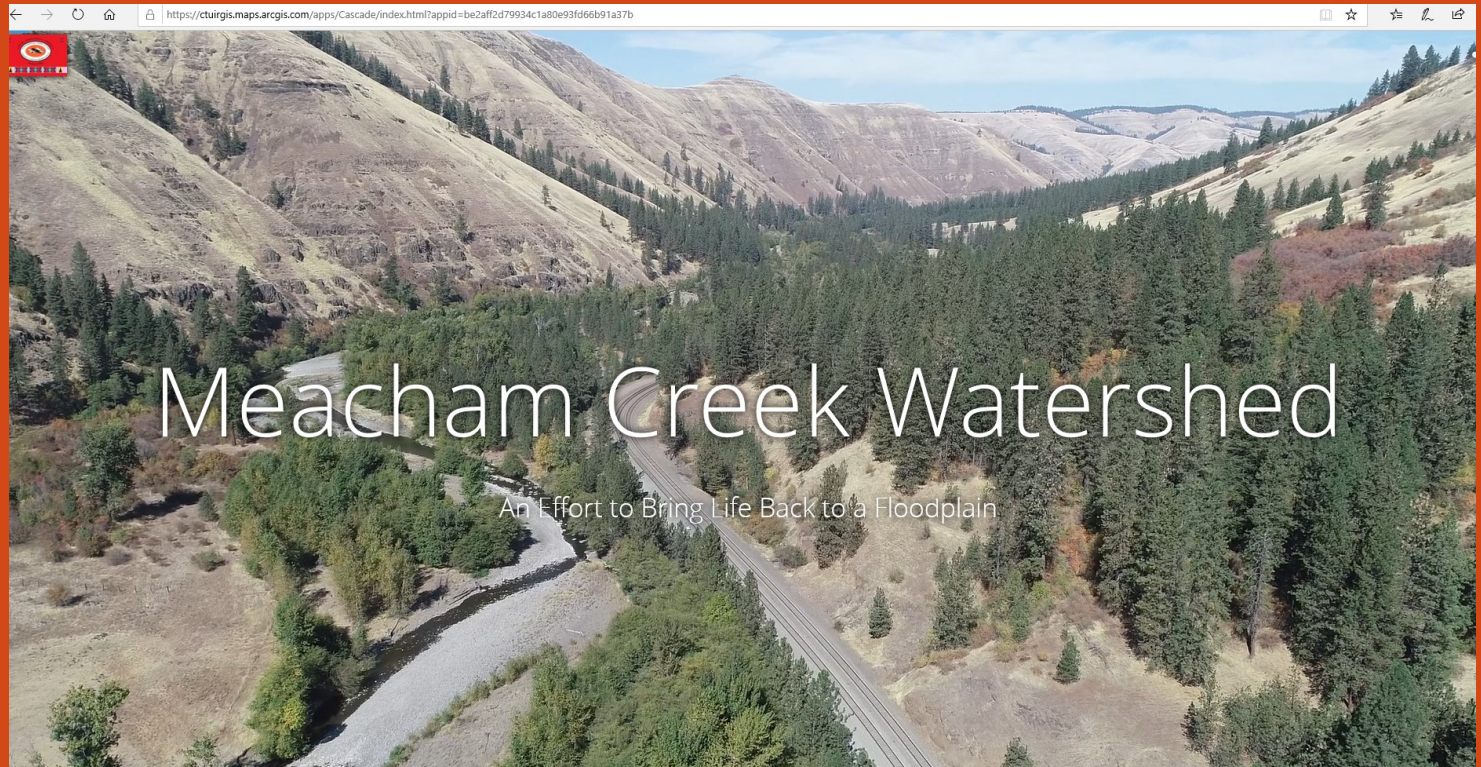


# Accomplishments / Progress

## Office of Information Technology: GIS

Finalized the Meacham Creek Fisheries project story map.

This was a collaborative effort with OWEB.



# Accomplishments / Progress

## Office of Information Technology: GIS

### Data Flows (in/out)

#### Data flowing in via API

- Walla Walla Watershed Data (water temp + discharge)
- PTAGIS (fish passage detections)
- FPC
- Real-time water temperature data loggers (almost!)

#### Data flowing out via API

- Tucannonriver.org
- Walla Walla Managers Report
- Streamnet + EPA WQX (manual)
- Water Temperature Downloader
- AGOL + Gisportal.ctuir.org
- Fish Counts

# Projects for 2020

## Office of Information Technology: GIS

- Finalize the CTUIR Habitat Umbrella Website
  - Launch the 5 basins individual habitat websites
- Continue working with habitat and incorporating more the rapid habitat assessment surveys
- Further the reporting capabilities from the CDMS to websites and creating dash boards for internal and external audiences.
- Continue development of spawning ground surveys in Survey123
- CDMS- continue development of sync and QA/QC capabilities with GISPortal
- CDMS- develop metadata component and bibliographical referencing

# Strategy for ITMD

## Vision for ITMD and CRITFC support

- Lead coordinator for the ITMD project
- Representation at ISRP reviews and regional meetings for the ITMD project
- Communication on regional standards, PNAMP efforts, and StreamNet library with ITMD partners
- Continued funding support through BPA for Data Coordinators and/or Database Developers
- Coordination of every other month user group meeting on technical support for the CDMS

# Strategy for ITMD

## CTUIR and support for CDMS

- CTUIR can continue to take a lead in support and development of the CDMS system
- Continued participation in the technical CDMS meetings
- Continue to develop new modules for management of fisheries related information in coordination with Tribal partners
  - Items are prioritized through the technical committee meetings
- Continue maintenance requirements/development on an estimated 3 year cycle for CDMS

*Stay Safe*

