# ATTAINS Secret Sauce

# Introduction to the Trainers

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# Asking Question During this Webinar

- If you have questions during this webinar, type them into the the GoToWebinar Questions box.  One of the trainers will respond directly.
- We'll be doing a mix of Powerpoint and live demo. Handouts are also available that provide details about any item that we'll be demoing today.

# Training Objective

This ATTAINS training is meant for ATTAINS users who are responsible for entering and/or reviewing data in ATTAINS.  We will discuss a series of tips and tricks for how to navigate through ATTAINS, dealing with common problems, and certain tricks that can make the life of an ATTAINS user a little easier.  We will also highlight how data go from ATTAINS to HMW to help trainees understand how their data will show up to the public.

# Overview

| Topic | Trainer | Duration |
|---|---|---|
| General Tricks | Dwane Young | 15 minutes |
| Assessment Units | Megan Tulloch | 15 minutes |
| Assessments | Megan Tulloch | 15 minutes |
| Batch Upload | Laura Shumway | 20 minutes |
| Accessing Data | Dwane Young | 15 minutes |
| HMW Tips | Dwane Young | 5 minutes |

# General Tricks

During this Section, we'll cover the following items:

1. Navigation in ATTAINS using the URLs – DEMO (see handout)
2. Using multiple tabs in the browser – DEMO

*Advanced tip – It is possible to link directly into ATTAINS from other web applications (e.g. Excel online, Google Sheets, ArcGIS Online). You must be authenticated in ATTAINS and have the other tool open in the same browser.

# DEMO

NAVIGATION

USING MULTIPLE TABS IN THE BROWSER

# Assessment Units

During this Section, we'll cover the following items:

1. Using Filters / Advanced Filters – DEMO
2. Assessment Units are Cycle Independent (what does that mean?)
3. Assessment Unit Management (splits, merges, retirements) - DEMO

# DEMO

USING FILTERS / ADVANCED FILTERS

# Assessment Units and Cycles

You don't need to resubmit your AUs and GIS every cycle. Only those that have changed.

Bucket of Current Assessment Units

2018 EPA Final Action

Snapshot

2020 Public Comment

Snapshot

2020 Public Comment Working

Working Copy

Snapshots are a copy of the AUs as they existed at that time.

Retired AUs

Retired AUs aren't available in subsequent cycles

# DEMO

MERGE / SPLIT /RETIRE

# Assessments

During this Section, we'll cover the following items:

1. Filters - DEMO
   - Using the Validation Flag in filters
   - Power of Cycle Last Modified
2. Delisting Woes and How to Fix Them – DEMO
3. Printed Report / Last Change Date - DEMO
4. Parameter Status – What does this mean?
5. Understanding Errors / Common Errors

# DEMO

FILTERS

DELISTING WOES AND
HOW TO FIX THEM

PRINTED REPORT /
LAST CHANGE DATE

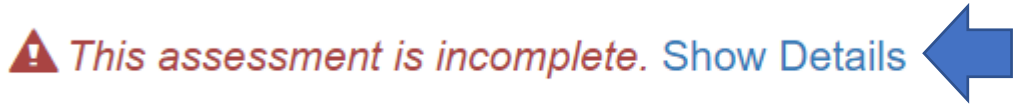
# Parameter Status – What does this mean?

Each AU / Parameter combination can only have 1 Parameter Status

- You should use the following priority order in determining the right status:
  1. Cause: The parameter is a cause for 1 or more uses
  2. Meeting Criteria: The parameter is not a cause for any uses and is meeting criteria for at least 1 use
  3. Observed Effect: The parameter is an observed effect for all relevant uses
  4. Insufficient Information: The parameter is insufficient information for all relevant uses
- When a parameter is no longer a cause, you don't need to remove it.  You can just change the status.

# Understanding Errors / Common Errors

Getting from: **Needs Information** To: **OK**




Where the error is

A Description of the Error

**Common Errors:**

- Any Category 5 parameter must have a cycle first listed
- Any Category 5 parameter must have either a TMDL schedule or a priority to develop a TMDL
- Any Not Supporting Use must have at least 1 Cause parameter associated with it
- Sources can only be associated with Cause parameters
- You must associate an action if you want the parameter in Categories 4A, 4B, or 5A
- You must connect your parameters back to your uses

# Batch Upload

- How Batch Upload Works
  - The ‘Header’
  - All-in-one vs. multiple files
  - Update vs. Replace
  - The ‘uncaught’ error and other common errors
- Troubleshooting your files – DEMO / see handout
  - One File at a Time
  - Domains / Case Sensitivity
  - Finding Orphan Records
  - The Impaired Waters Block

# How Batch Upload Works

**The Header**

- ATTAINS is looking for specific column names. It doesn't matter what order they're in. The template is a good resource. The data export is also a great resource.

**All-in-One vs. Multiple Files**

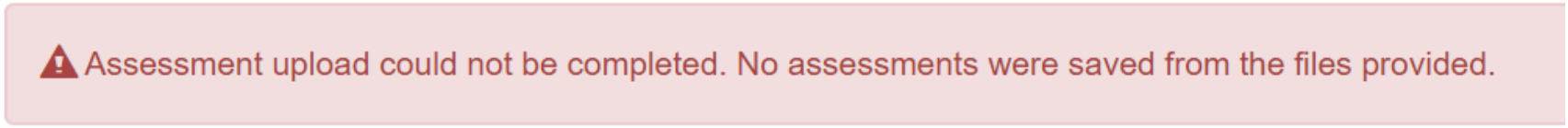
- You can upload more than one file at a time. We recommend that you DO NOT use the 'All-in-one' upload option.

**Update vs. Replace**

- Update leaves in place existing data and tries to either update based on the batch file or 'add to' the existing record.
- Replace removes existing data and replaces it with the data in the uploaded file. It replaces information for only those Assessment Units that are in the file.
- Assessment Units and Actions are ALWAYS Replace

# Batch Upload Errors

## The uncaught error:




ATTAINS will generate this error anytime it encounters an error that isn't caught by it's error checking routines. It basically means that there is an error that ATTAINS didn't expect. It can often be caused by bad domains, case sensitivity issues with Assessment Units or across batch upload files, or other situations that we just haven't thought about.

## Other Common Errors:

- Missing Agency Code
- Missing Cycle Last Assessed
- Providing Parameter Agency Code, Pollutant Flag, Cycle First Listed, TMDL Schedule/Priority with parameters that aren't 'Causes'
- Having more than one parameter status associated with a parameter

# Troubleshooting DEMO

One File at a Time

Domains / Case Sensitivity

Finding Orphan Records

The Impaired Waters Block

# Accessing Your Data

MULTIPLE WAYS TO ACCESS YOUR DATA

WHAT'S A SNAPSHOT?

USING FILTERS IN REPORTS TO ANSWER SPECIFIC QUESTIONS

THE POWER OF CYCLE COMPARISON REPORTS

# Multiple Ways to Access Your Data

- Data Exports
- Reports
- Web Services (Publicly Accessible Data Only)
- GIS Services (Org Final or Later Data Only)
- How’s My Waterway

# DEMO

Snapshots

Using Filters in Reports to Answer Specific Questions

The Power of Cycle Comparison Reports

# How's My Waterway Tips

Provide Meaningful Action Names

State-Scale Surveys can be a valuable way to communicate on water quality state-wide

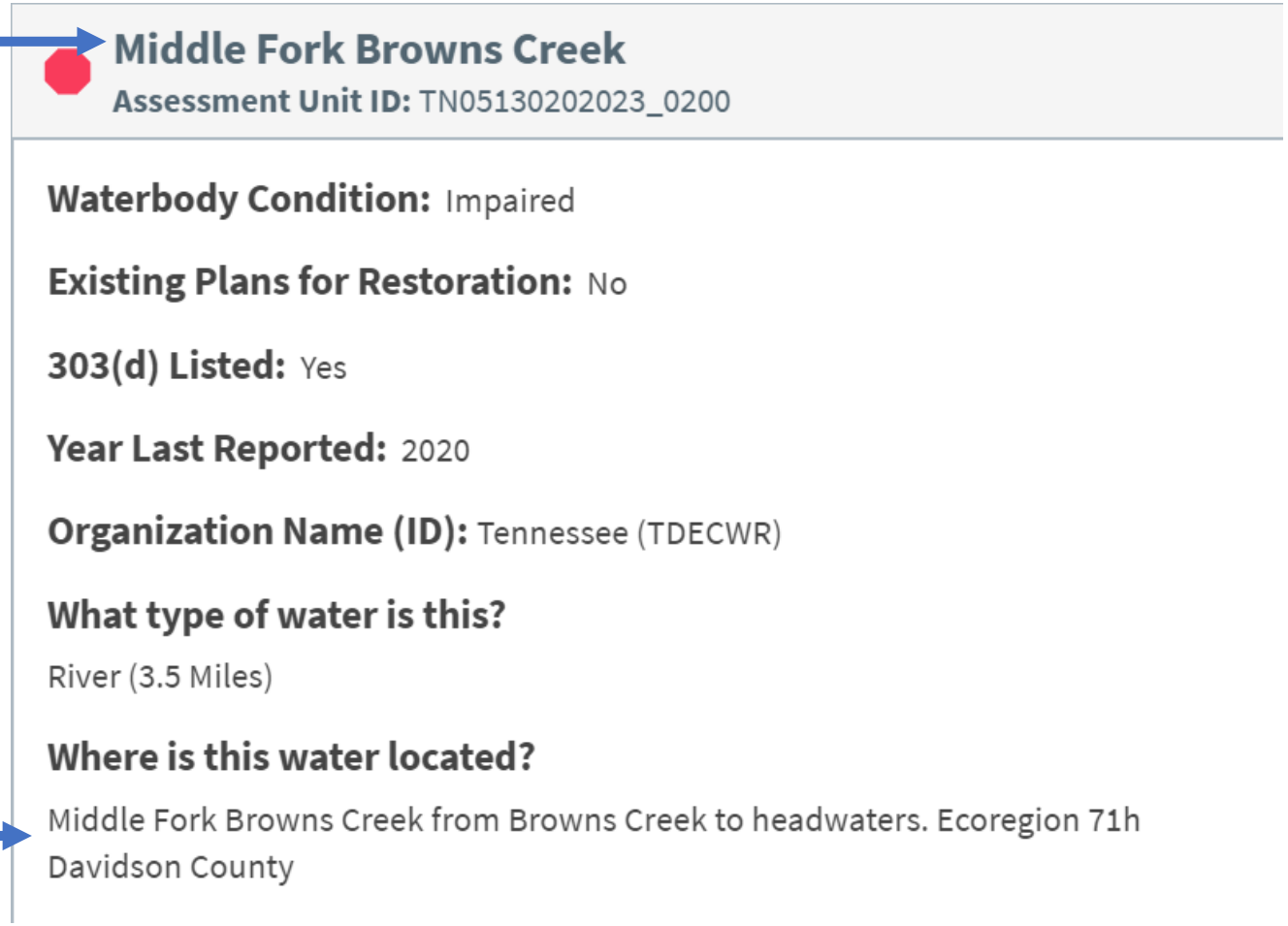
The State page 'blurbs' and 'metrics' are completely in your control

Data without GIS is practically invisible

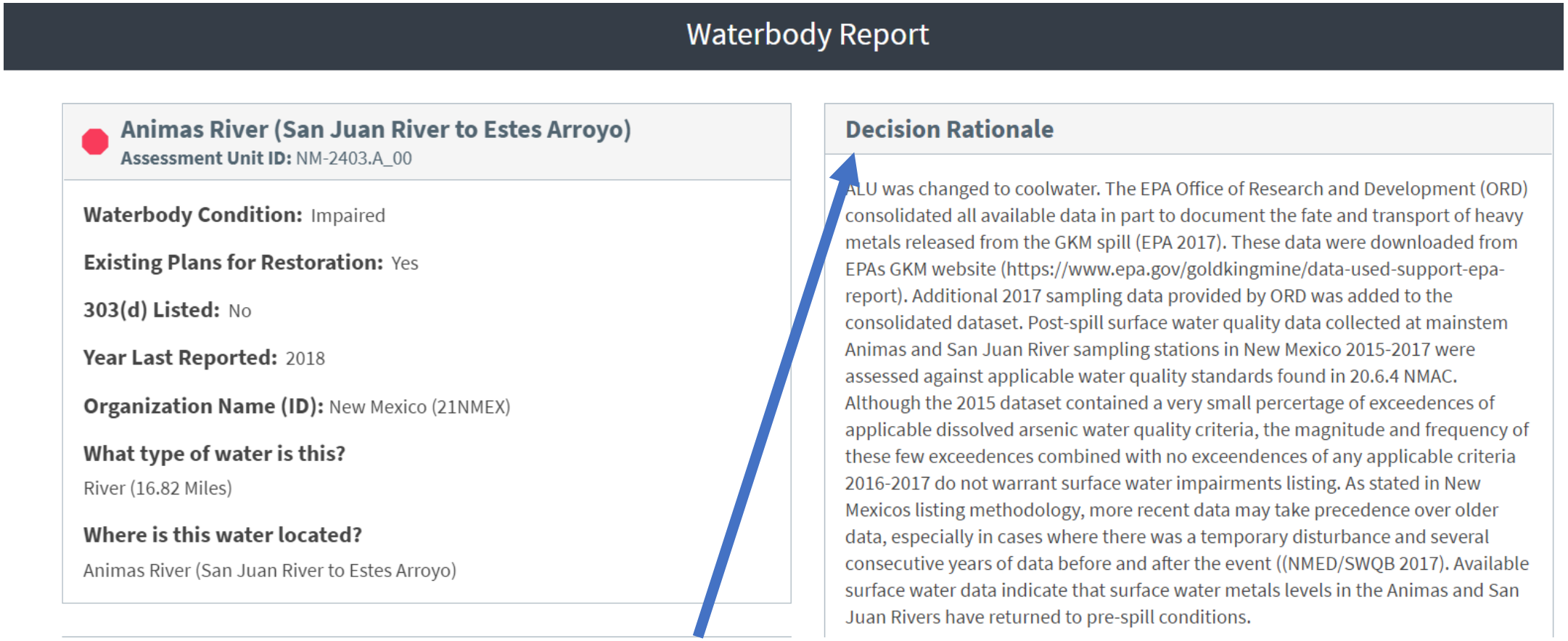
# HMW Tips for Assessment Units

Use meaningful Assessment Unit Names. This will make it easier for the public to understand which waters are showing up in HMW.

Location Descriptions show up in HMW. Good locations descriptions will make your data more meaningful.

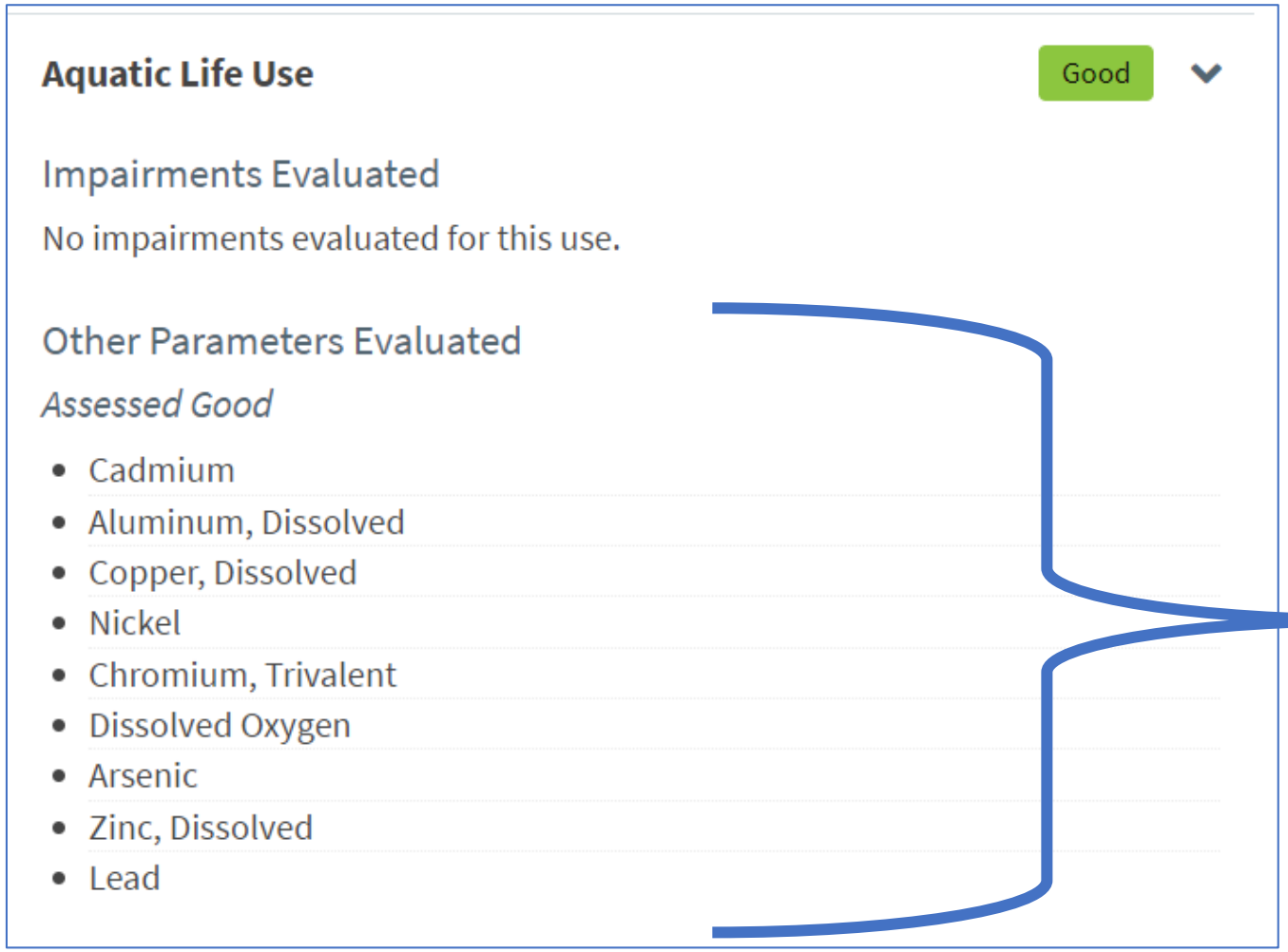


# HMW Tips for Assessments




Decision Rationale can be used as  a good way to communicate more details about a particular assessment.

# More HMW Tips



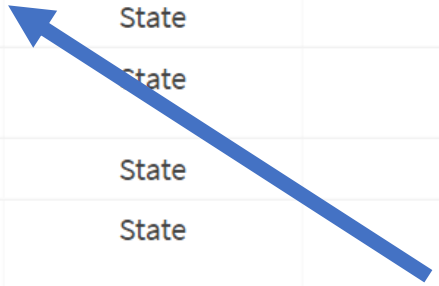

Reporting Parameters that are ‘Meeting Criteria’ can help provide additional context for your assessments.

# HMW - Documents

## **New Mexico** Documents

Documents Related to Integrated Report

| Document Types | Document | Agency Code | Document Description |
|---|---|---|---|
| Integrated Report Document | NM WQCC-approved Integrated Report | State | |
| Assessment and listing methodology | 2018 IR Listing Methodology (CALM) | State | |
| Data Sources List | QA Review of Outside Data Submission and Acquisition | State | |
| Other Supporting Documents | NM WQCC Approval Order 08-14-18 | State | |
| Public Process | Public Notice of 30-day CALM Comment Period and Call for Data | State | |
| Public Process | Pulbic Notice of 45-day Comment Period on Draft 2018-2020 Integrated Report and List | State | |
| Summary of State Response to Public Comments | IR Appendix C - Response to Public Comment | State | |



Uploading your documents provides an additional one-stop-shop for the public