

GRTS & ATTAINS:

Connecting the §319 Program's Grants Reporting and Tracking System with TMDL, Listing, and Impairment Data

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What is GRTS?

(I'm so glad you asked!)

GRTS is a relational database, designed to track **319 program and watershed project information**

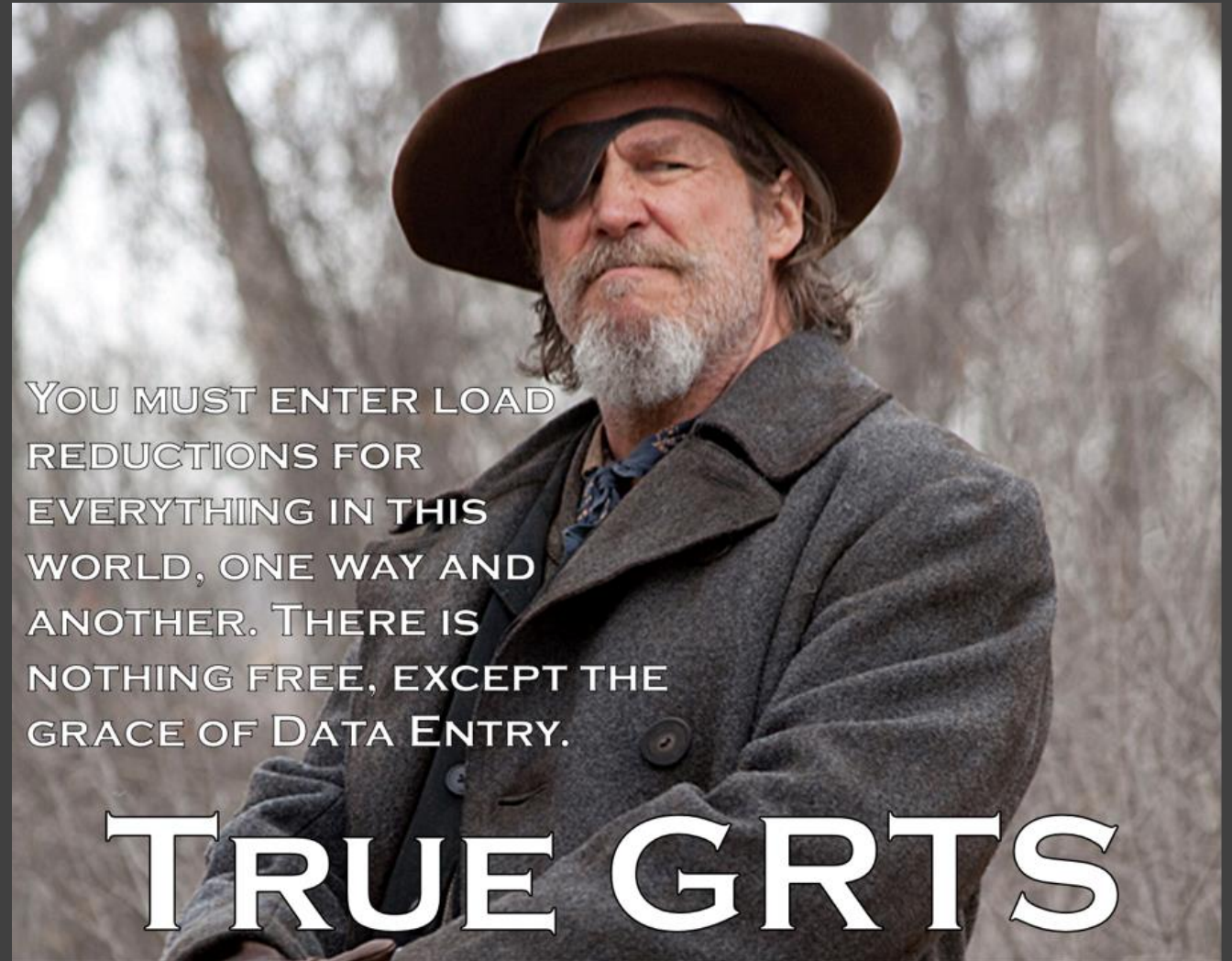
GRTS provides an effective means for EPA, states, territories and tribes, and the public to **collect, maintain, and use programmatic data**

The GRTS environment also houses secondary database modules, such as **the NPS Success Stories Database**

Each of these modules maintains a utility which queries **ATTAINS to help populate 319 project data and/or Success Stories listing/impairment information.**

All of this information is able to be extracted through Oracle **business intelligence (OBI)** in static data pulls, OR can be queried and used through Web Services

Goals: To further integrate GRTS with other systems and increase the value of 319 data



YOU MUST ENTER LOAD
REDUCTIONS FOR
EVERYTHING IN THIS
WORLD, ONE WAY AND
ANOTHER. THERE IS
NOTHING FREE, EXCEPT THE
GRACE OF DATA ENTRY.

TRUE GRTS

Improvements to the Grants Reporting and Tracking System

The last four years have led to a lot of changes to the Grants Reporting and Tracking System

- ❖ User Interface improvements
- ❖ Simplified data entry & geo-referencing tools
- ❖ The addition of the NPS Success Story Database
- ❖ Beginning to capture Tribal 319 data & success
- ❖ 'Circuit Rider' approach to GRTS trainings


Data input is becoming easier, and information is being pushed to other systems! This means our data is accessed and used more than ever

- ❖ Integration with the EPA's Water Quality Framework (ATTAINS)
- ❖ EPA's public-facing applications (DW Maps, How's my Waterway?, etc.)
- ❖ Used by university researchers

Tribal Nonpoint Source Pollution Success Story

Hualapai Indian Tribe of the Hualapai Indian Reservation, Arizona

2017 Frazier Wells Brush barrier project



Brush barrier (check dam)

Problem
In the low lands of the Upper Gila River watershed there are deep erosion cuts from rain runoff in the Frazier Wells washes.

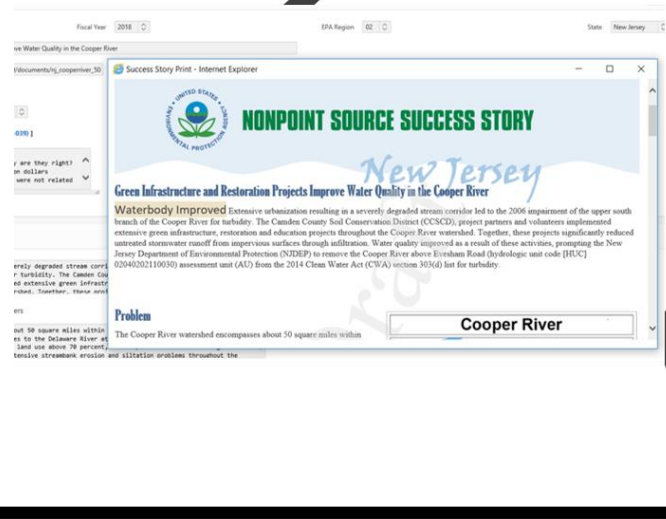
The continued erosion of the wash banks threatens the integrity of one of our primary ground water wells, the supplies water to wildlife and livestock on the eastern portion of the Hualapai Indian Reservation.

Cultural Connection
The ground water well source is the primary water source for the entire eastern portion of the reservation. The water source provides water to cattle for three different tribal cattle districts. The well water source also provides water for our Rocky Mountain Elk population that are of high trophy quality and are sought after by many big game hunters.

EPA Grant Recipient:
Hualapai Indian Tribe of the Hualapai Indian Reservation, Arizona

BMPs:
Check Dam

Points of Contact:
Alex Cabillo
Hualapai Department of Natural Resources



Success Story Print - Internet Explorer

NONPOINT SOURCE SUCCESS STORY

New Jersey

Green Infrastructure and Restoration Projects Improve Water Quality in the Cooper River

Waterbody Improved Extensive sedimentation resulting in a severely degraded stream corridor led to the 2004 impairment of the upper mouth branch of the Cooper River for fishery. The Camden County Soil Conservation District (CCSCD), project partners and volunteers implemented extensive green infrastructure, restoration and education projects throughout the Cooper River watershed. Together, these projects significantly reduced watershed nonpoint runoff from impervious surfaces through infiltration. Water quality improved as a result of these activities, prompting the New Jersey Department of Environmental Protection (NJDEP) to remove the Cooper River above Evelyn Road (hydrologic unit code [HUC] 02040202110030) assessment unit (AU) from the 2014 Clean Water Act (CWA) section 303(d) list for turbidity.

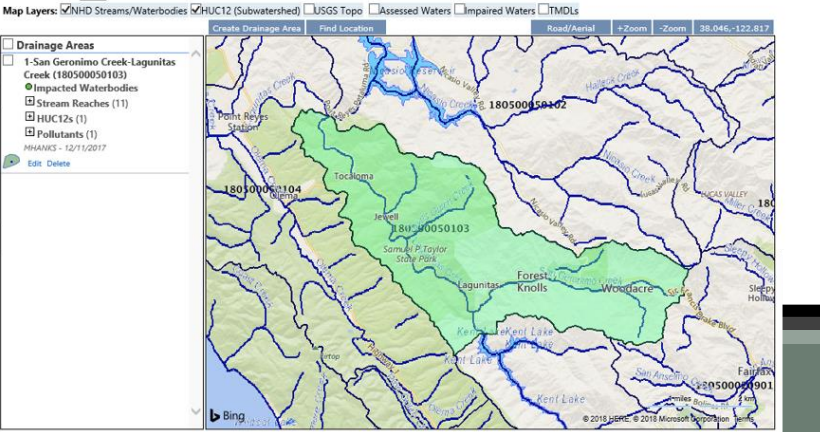
Problem
The Cooper River watershed encompasses about 50 square miles within

Grants Reporting and Tracking System (GRTS)

EPA Home / GRTS Home / Tribal Grants / Tribal Pre-Award Projects

row(s) 1 - 50 of 158 Next ▶

<input type="checkbox"/>	Reg	Primary Subgrantee	Title
<input type="checkbox"/>	09	WALKER RIVER PAIUTE TRIBE	Project: Pilot Oxbow
<input type="checkbox"/>	09	BISHOP INDIAN TRIBAL COUNCIL	Project: CWA 319 Non Point
<input type="checkbox"/>	09	CAHTO TRIBE OF LAYTONVILLE RANCHERIA	Project: Nonpoint Source Wa
<input type="checkbox"/>	10	CONFEDERATED TRIBES OF THE COLVILLE RESERVATION	Project: FY 2013 Section 319
<input type="checkbox"/>	09	SHOSHONE PAIUTE TRIBES OF DUCK VALLEY	Project: NPS Agriculture Poll
<input type="checkbox"/>	09	HAVASUPAI TRIBE	Project: Watershed Project fc



Improvements to the Grants Reporting and Tracking System

WATERS GeoViewer— showing areas of work and waterbodies impacted by NPS Program activities. Data imported from GRTS!

U.S. EPA Drinking Water Maps— displaying NPS project work in areas potentially affecting drinking water quality. Data imported from GRTS!

How's My Waterway?

Use this tool to learn about your water resources.

Community County State National

Enter address, zip code, place, or HUC12 Go Use My Location

Community Details

Adams, Tennessee, 3
Watershed: Sturgeon

- Community Overview
- Drinking Water: How is my community's drinking water?
- Recreation: How can I stay healthy fishing & swimming?
- Ecological Life: How does our water impact ecological life?
- Potential Issues: What puts clean water at risk?
- Detect: Is the water being tested?
- Restore: What is being done to restore our water?
- Protect: How can I help?

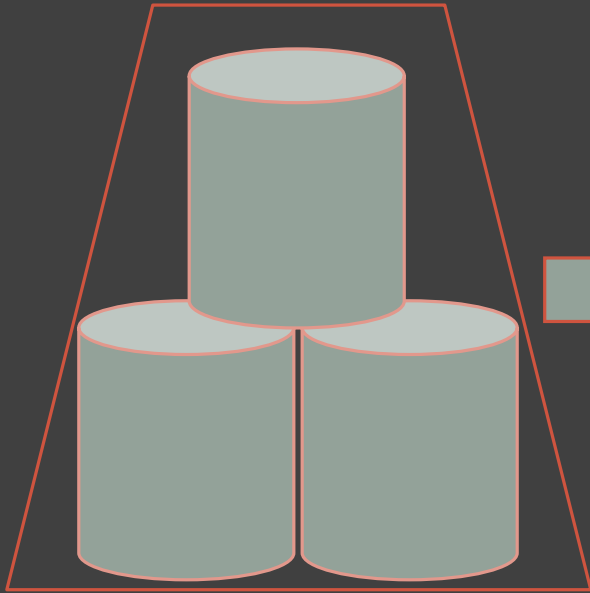
Restoration Projects to Address Nonpoint Source Pollution (319 Grants)

The Cumberland River Compact - Sustainable Farming Education for the Cumberland Basin

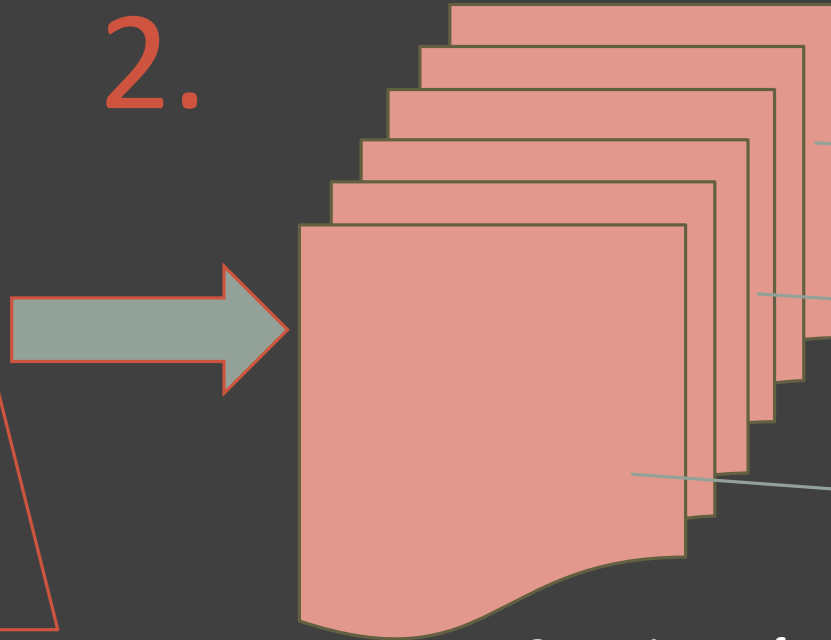
Total Funds:	\$34,371
Project Start:	12/16/2015
Date:	
Project Status:	undefined
Project Details:	Open Project Summary

How We Frame GRTS Data and Utility to State Users:

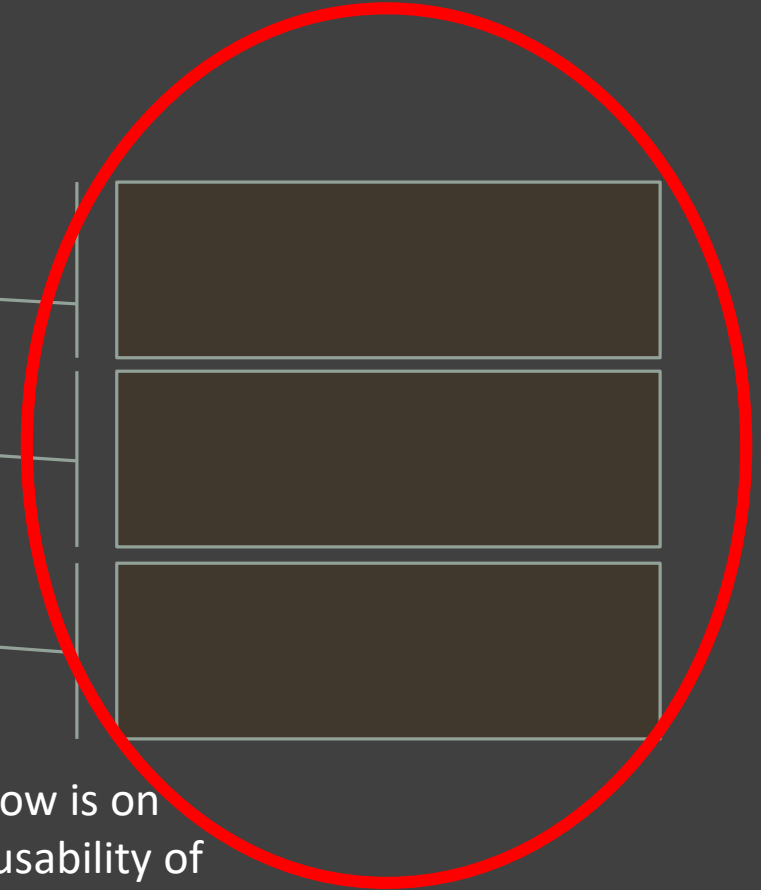
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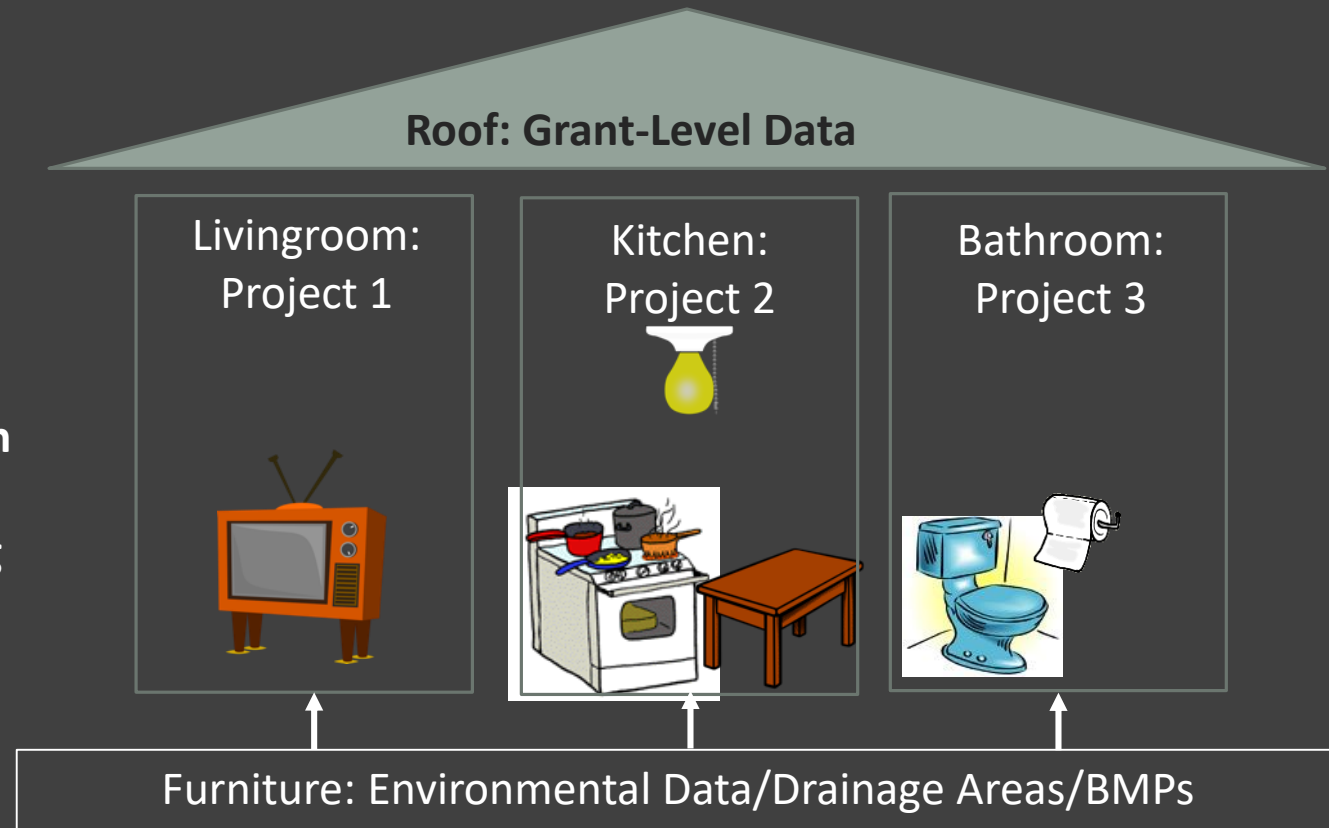
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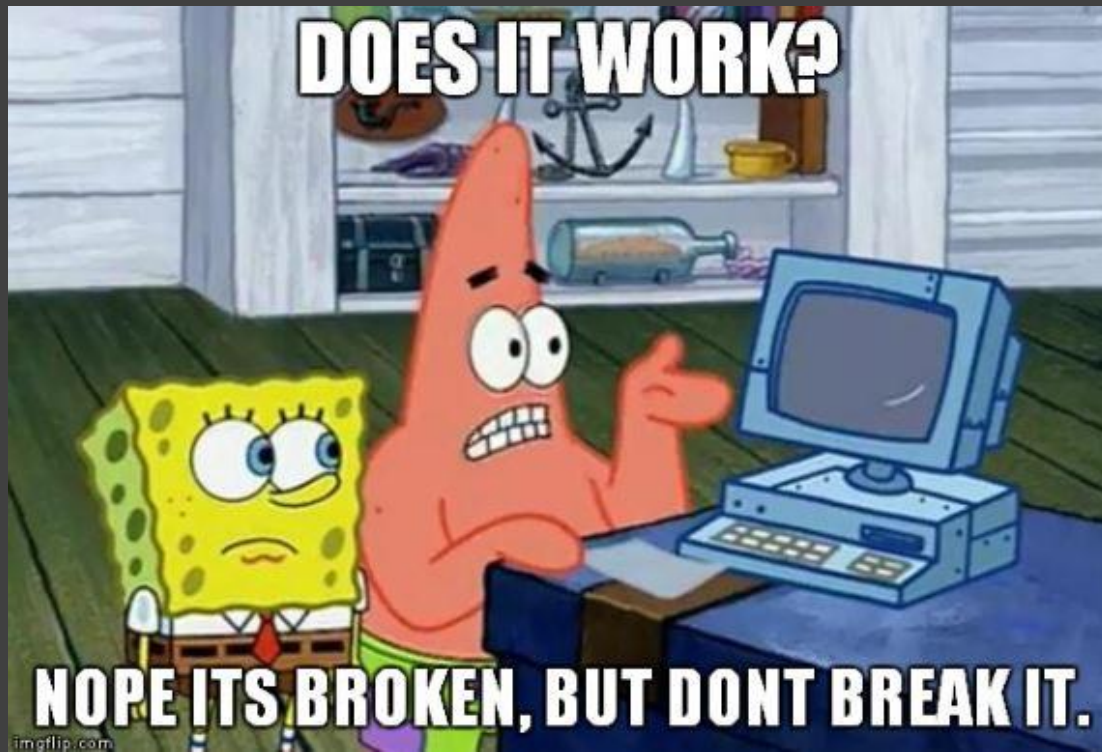
Our primary focus right now is on increasing access to and usability of 319 program data

The Benefits of Connecting with ATTAINS

- The VAST majority of user time spent on data entry occurs within the Environmental/Drainage Area sections.
- To allow our users to streamline data entry effort, and use existing data resources, we are now extracting waterbody and drainage area information from ATTAINS to help populate data fields for 319 waterbodies, AND extracting impairment and listing info for NPS Success Stories.



How Functional Is It?



INTERNAL 319 USE OF ATTAINS DATA:

Overall, the tools we have built are *highly functional* for our purpose. However, we are working to develop a new utility that allows us to better-interface with the updated version of ATTAINS. This is in progress. Our challenge is to maintain functionality and utility across system versions.

EXTERNAL USE OF 319 DATA:

Web services for both the GRTS 319 Program and NPS Success Stories are up and running, and are 100% functional. They are also easily customized, and we will continue to expand their use.

On to the demo!

I'll show how the 319/NPS program is currently using ATTAINS data