

NTS GIS Network- Meeting Minutes

Tuesday, August 21st, 2018 , 1:00 pm Mountain Time (12pm PT, 2pm CT, 3pm ET)

MEETING AGENDA

1. **Welcome & Introductions** (Ryan Cooper/Peter Bonsall/Kerry Shakarjian)

Meeting Attendees:

1. Candace Bogart - USFS Region 3 GIS (Presenter)
2. Stafford Hazelett - Portland, Oregon, member of Oregon-California Trails Association
3. Emily Tristant - NPS, Conservation and Outdoor Recreation Division
4. Rob Chohan - Roblabs.com, Offline Maps for Mobile
5. Naomi Torres - Juan Bautista de Anza NHT
6. Greg Warren - individual
7. Laura White - R3 FS Administrator for AZNST
8. Charlyne Smith - North Carolina State University, Research Associate
9. Brenda Yankoviak - FS, CDNST Administrator
10. Greg Matthews - USGS, Trails Aggregator
11. Reese Hirth - NPS, Geographer, Midwest

2. **Announcements & Information from Audience**

- a. Updates from ESRI UC Conference in San Diego - National Trails display was a success
- b. 2018 National Trails Conference, Vancouver, WA - Oct 22-25, 2018

3. **Discussion Topic**

Presenter – Candace Bogart, Regional GIS Program Manager, U.S. Forest Service Region 3

Creating an Authoritative Data Source for the Arizona National Scenic Trail

This presentation will share the strategy developed under an Esri EAP agreement to create an authoritative data source for the entire AZ National Scenic Trail: its geography and associated attributes. The workflow will allow partner agencies to submit proposed alignment changes via ArcGIS Server Feature Services. Data governance is to be provided by USDA Forest Service Region 3 data stewards as described in the *Arizona National Scenic Trail Alignment Data Governance*. Follow-up discussion reiterated Esri's finding, "Although this geodatabase environment and workflows were designed for the AZNST alignment in mind, they could generally be used for any national trail. Standardizing the ways proposed updates are sent to the managing agency and the workflows that include data governance could be useful for other national trails or other kinds of projects where GIS data updates come from multiple sources." Sharing the authoritative data is to be accomplished via a map service in ArcGIS Server with download capability enabled.

Notes:

- Arizona National Scenic Trail (AZNST) is 800 miles long and was designated in 2009
- FS is the trail Administrator
- Many partners participate
- Sharing trail data with partners - no consistent protocol in place
- Challenges - how is the data shared or stored? No methodology or protocol and no content standard in place
- No data steward for AZNST but multiple data publishers
- Federal Geographic Data Committee is an interagency group that published the Federal Trail Data Standards (FTDS) in November 2011 - no federal GIS standard provided or created with standard
- AZNST created FTDS GIS schema with domains
- Task 1 ESRI reviewed database design against FTDS - ESRI delivered a report of their review
- Variety of agencies and needs to manage the trails but may not be the same needs between agencies
- Task 2 How is the data shared/exchanged?
 - Register GIS data as versioned and each partner can edit a version of the AZNST
 - Edit the version in ArcGIS Online
 - The partner can only see their version
 - Can promote/elevate access if needed
 - Governance Board for any edits or proposed edits to be accepted before going into the main dataset
 - ESRI recommended User Types/Roles for the workflow permissions of what can be done with the data
 - GPS, shapefile, or other formats can be submitted by partners
 - Agreements on trail alignments are made by Governance Board
- Laura White: Arizona Trail Association is the authoritative trail source that the FS updates their data from.

4. Future Meeting Dates & Topics

- a. **Sept 18, 2018** – Adam Calkins, The Applications of Unmanned Aircraft Systems (UAS), Photogrammetrics, and Machine Learning to Record Archaeological Sites and Historic Trails
- b. **Oct 16, 2018** – Lisa Johnson, GAP Program, Protected Areas Database of the United States (PAD-US) 2.0 update
- c. **Nov 20, 2018** – TBD

We always welcome suggestions for additional topics for discussion or presentations. Please contact Ryan Cooper, Peter Bonsall, and/or Derek Nelson with your suggestions!

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NTS GIS Network Website: <http://pnts.org/new/national-trails-system-gis-network/>

NTS GIS Network Mission:

We established the NTS GIS Network as a way to connect the diverse array of National Trails System staff and partners who use GIS systems and products in their work. One of our goals is to facilitate the sharing of information and tools that help us do our jobs more efficiently and innovatively. Because the national trails system is managed as a collaboration of agencies and partner organizations, the NTS GIS Network is open to anyone.