



GIS Director Report

Prepared by Aaron Seifert, GISP (Arizona Trail Association GIS Director) for the ATA Summer Board Meeting

1. Online/Interactive Mapping/App product Statistics:

- ATA's ArcGIS Online Organization Portal 3/15/21 – 6/10/21 <http://aztrail.maps.arcgis.com>
 - From <https://aztrail.org/explore/maps/interactive-map/>
 1. Full detail interactive map **4,449** (51.14 views avg/day +17/day vs last qtr)
 2. Elevation profile **1,152** (13.24 views on avg/day +1/day vs last qtr)
 - **NEW AZ Story Map 4,377** visits (50.31 avg/day +10/day vs last qtr) <https://bit.ly/2W0ILDx>
 - Steward Map **106** visits (1.22 / average per day +0.2/day) <https://bit.ly/2W3mpAy>
- Statewide GIS repository - AZ Geo Clearinghouse (downloaded/map service GIS data) 3/14/21-6/10/21
 - Site moved to a new portal with different statistics in end of May 2020
 - AZ Geo downloaded waypoints requested 0 times; 0.00 requests/day
 - AZ Geo downloaded passages requested 1 times; 0.01 requests/day
- **ATA Topo Map on Avenza Map Store** – since updating **downloads** as of 2/3/21:
 - Free **Overview mapbook: 1,862** (+1,288) / Free to **Members Topo Mapbook: 220** (+107)
 - In 2021 there were **purchases totaling about \$303 (\$51/month) for the ATA!**
- **Arizona Trail App** – Q4 2020 sales: \$650.10 to the ATA a 40% increase over 2019. Q1 2021 thru March 17: \$755 to the ATA a 52% increase over 2020.

2. Mapping

- Once the **Alder Ridge reroute was complete in early March**, Shawn Redfield took the ATA Trimble GPS and hiked the reroute. Then I updated passage 25 track and waypoints plus the passage map. It was also time to **recalculate the entire AZ Trail mileages** that was last done in 2017. This update effected the databooks (northbound, southbound & mt bike), AZ Trail App, online interactive maps, ATA Topo map PDFs including Avenza published maps, Garmin GPS Card, and Steward segment maps. All have been updated but took about 60 hours over the last 3 months.
- Continued with **Sign & Gate inventory updates** submitted with the aztrail.org form
- Keeping the **Arizona Trail App** and other **Map Products** updated with new information from various reroutes.
- **ATA Topo Map product** – Published the 2021 version to ATA website download, Avenza, and for print encapsulating all changes on the AZT from 2021 such as passage 35. Republished several pages effected by the Alder Ridge reroute.
- **ATA's Trimble GPS** - Purchased to capture the final trail in any reroute project with high precision & accuracy, even in steep canyon walls & heavy tree cover. In addition, it can capture distant positions that cannot be easily reached, but within sight. I prefer to provide training in person to those that intend on using. *Printed instructions included.* Currently, Shawn has this GPS. **Used most recently to precisely map the Alder Ridge Reroute.**
- Various Trailhead Map layers exported to Shannon for her graphic design work.

3. Online Mapping Resources

- **Arizona Trail Story map:** <https://bit.ly/2W0ILDx> There are interactive tabs to see an overview and details of passages, mountain bike routes, Gateway Communities, water sources, geographical locations of photos from the ATA's Flickr site, Topo map & Arizona Trail App information. Check it out!
- **Sign & Gate Inventory** updates <https://aztrail.org/get-involved/regional-stewards/sign-and-gate-inventory/>: All updates need to be sent through this site and **requires a unique id if and update (if not new entry)**, shown in the Steward online Map at <https://bit.ly/2W3mpAy>. I am storing the approximately 3800 photographs linked from this interactive map on my personal business website, giseifert.com.
****If there is an opportunity for a thru-hiker or a few to travel the entire length of the trail, I can setup a GIS smartphone process to collect sign, gates, and road crossings while keeping photos attached to the data.*
- **Individual segment maps** are kept up to date at <https://bit.ly/3egHDRF> for any Steward to download a PDF and print (regions zipped up). *Hope to have the ATA website segmented when a steward logs in to then have PDF storage linked along with the Steward Interactive Map <https://bit.ly/2W3mpAy>.*

4. Goals moving forward....

- Perhaps prepare a process for future thru-hikers to collect features with photos along the AZT using Avenza's Map App. Using anyone's smart phone, purchased within last 4 years, locations and photos can be easily obtained, without internet, and emailed when back with cell/wifi to me or a specified email address.
- Outreach through all of you to remind land managers of our GIS data – I can share specifically to contacts our data to get on their maps/systems.