GIS Director Report
Prepared for the ATA Board Meeting
October 20, 2019 Tucson

1. Online/Interactive Mapping/App product Statistics:
    a. ATA's ArcGIS Online Organization Portal 7/3/19-10/11/19
        i. Linked from ATA website
            1. Full detail interactive map **2,618** (26.18 views on average per day – **half** of last quarter)
            2. Elevation profile **909** (9.09 views on average per day – decrease of 2/day)
        ii. Linked only from the ArcGIS Online Portal for ATA http://aztrail.maps.arcgis.com
            1. ATA Steward Map **140** visits (1.4 / average per day – increase .6) https://goo.gl/61QFm6
            2. ATA Scenic Inventory Map **5** visits (0.05 views on average per day) last views in July https://goo.gl/5yxdnL *a bit slower rate in the last four months.*
    b. Statewide GIS repository - AZ Geo Clearinghouse (downloaded/map service GIS data) as of 7/3/19:
        i. **10** more line (track) & **6** point (wpts) webservice since October from 443 & 188 total visits
        ii. **4** more line (track) & **1** point (wpts) downloads since October from 77 & 21 total downloads
    c. **Arizona Trail App** – 2nd Quarter 2019 profit for the ATA is **$312.29** which is a **61% increase** over the same period last year.

2. Mapping
    a. **ATA's Trimble GPS** The intention is to capture the **final trail in any reroute project with high precision & accuracy, even in steep canyon walls & heavy tree cover**. I prefer to provide training in person to those that intend on using the ATA Trimble **GeoXT GPS** for the 1st time in addition to use of included printed instructions. *Just let me know and we can even train over the phone.*
    b. **Happy Jack reroutes** are being mapped with the Trimble GPS this and next month to publish updates.
    c. Provided maps of **Passage 4/Temporal Gulch reroute** property maps.
    d. Worked on several more custom and **trailhead maps** to be exported for graphic design work.
    e. The ATA website form (https://aztrail.org/get-involved/regional-stewards/sign-and-gate-inventory/) is for updating the ATA database of **gates, signs, and road crossing inventory** that works with a **unique id** for each layer, shown in the Steward online Map at https://goo.gl/61QFm6. Myself and Tamara have done several rounds of updates and that updates the **Scenic Inventory Interactive map at**: https://goo.gl/5yxdnL & provided to the USFS. I am continuing to store the approximately **3800 photographs** linked from this interactive map and a few other photo-linked point interactive maps **on my personal business website, giseifert.com** that I annually pay for. **It is very difficult to just update a description & photograph based on latitude & longitude coordinates – it is impossible to provide the same coordinates even while visiting the same spot in minutes therefore it is REALLY IMPORTANT to reference the unique IDs displayed on this website when communicating updates.**
    ***If there is an opportunity for a thru hiker or a few to travel the entire length of the trail, I can setup a better process than before to collect sign, gates, and road crossings while keeping photos attached to the data.*
    f. Still working this year on **creating turn by turn waypoints for the single Mountain Bike** path now that there will be only one route. These will also get unique IDs assigned to communicate with Atlas Guides.
    g. **Individual segment maps** are kept up to date at https://goo.gl/zmqtfa 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://goo.gl/61QFm6.*
    h. **ATA Topo map product –** Working on adding individual or the entire set of map pages to the Avenza Map Store where the Avenza app can use your location from your smartphone to locate yourself on these maps.
    i. I am still in the process of **locating water sources** exactly from Topo & Aerial imagery based on the descriptions in the databook to be used in the next update of the ATA Topo map product.
    j. **Garmin AZT Data card** - Once Happy Jack & Babbitt Ranch reroutes are complete, I will send an update.
3. Outreach
    a. Ongoing outreach via professional networking to statewide professional GIS staff to use our data for the AZT

Sincerely,
Aaron Seifert, GISP
ATA GIS Director