NY State Geospatial Advisory Council
Minutes for March 23, 2022 Meeting
WebEx

Mission: Advise the State on effective use of geospatial technology resulting in tangible benefits to NYS.

Attending:	Christopher Badurek, Svetla Borovska, Chris Badurek Sylvie Browne, Cattyann Campbell, Christina Croll, Mickey Dietrich, Keith Ducett, Emily Fogarty, Eric Herman, Ana Hiraldo-Gomez, Julia O'Brien, Christopher O'Connor, Lindi Quackenbush, Chris Rado, Randy Rath, Richard Reichert, Sadra Shahab, Larry Spraker, Heather Weller, Frank Winters
Guests:	Nicole Unser, Andy Beers, Tim Ruhren,
Absent:	Carrie Wiley
Minutes:	Christopher O'Connor, Frank Winters

9:00   Welcome / Agenda Review / Approval of Minutes (Croll)
http://gis.ny.gov/coordinationprogram/workgroups/wg_10/documents/2021-12-14-GAC-Minutes.pdf
- Draft minutes approved

9:15   GAC ice breaker/introductions
Frank provided and in Introduction to the GAC structure
http://gis.ny.gov/coordinationprogram/workgroups/wg_10/documents/GAC-Terms.pdf

- Welcome new member Sadra
    - Not for profit sector, Hester Street (https://hesterstreet.org/)
- Go around and answer two questions
    1. Who you are, where you come from, what sector do you represent?
    2. What bucket list item do you most want to check off in the next six months?

9:25   Reports
- NYSGISA report (Badurek)
    - Chris provided an updates
    - Karen Tareen (geocove) – new President
    - In-person conference event? Summit committee hybrid in-person online Late September – watch party
        - Frank and another speaker
        - Local chapters will host their own gathering with a happy hour.
        - Headed by Lis DeGironimo and Kate Kiyanitsa
    - Awards committee – be on the lookout for a call. New Chair Steve Russel
        - Leadership
        - Contributions
        - Fantastic apps

- o Recordings from the fall meeting now on the [YouTube channel](#)
  - ▪ Including the 911 remembrance
- o Professional develop
- o Micro-credentialling workshop
- o GIS-P workshop planned
  - ▪ Exam study group
  - ▪ Where are we with placing GIS-P in the hiring process
- o Student event to demo of work
- o Regional events – goal to strengthen regional groups
  - ▪ GIS SIG Rochester – in-person 100 people 4/5
    - • Keynote Justin Madrin – history of redlining
  - ▪ LIGIS 4/6 virtual
  - ▪ Stratus meeting SUNY ESF 5/35 – 25th UAS and GIS applications drones as a means of GIS data collection
- o GeoCon – dedicated to in-person next fall 2023
- GIO/GPO report (Winters)
  - o Frank Provide an update on GPO activities including:
    - ▪ Street and Address Maintenance
      - • Weekly edits are off to a good start averaging just over 10,000/week.
      - • The purchase of 1Integrate from 1Spatial continues to move forward,
      - • We continue to push for a way to update and maintain Zip Code attributes.
      - • Delivered over eight million geocodes in a month for the first time in February.
        - o New record is 8.1 million.
      - • An upgrade to GeoLynx, the online editing software, is coming soon…we hope.
    - ▪ Civil Boundaries
      - • 2020 Census Population added to all files in October 2021
      - • Updated shoreline and minor boundary corrections will be published in June 2022
    - ▪ Statewide Parcel Map Program
      - • 2020 Parcels now available
      - • 2021 Parcel processing is almost complete – early April 2022 publishing update planned for all but 3 counties (Monroe, Rockland, and Westchester)
    - ▪ Planned 2022 Orthoimagery Project
      - • Update 18 counties last flown in 2017 and 2018
      - • Chemung, Cortland, Schuyler, and Warren funding upgrades
      - • Continues 2-year update partnership with NYC
      - • Scheduled for 2022 flights
      - • NYC ~80% flown
      - • Will leave 6 counties flown in 2018 to be updated in 2023: Cayuga, Ontario, Seneca, Tompkins, Wayne, and Yates

- LIDAR
  - 2019 FEMA/USGS LIDAR Project:
    - Niagara, Putnam, Westchester available
    - Rest expected to be available this Summer
    - 2019 USGS LIDAR Project
    - - Still in review. Deadline for release is 3/31/22.
  - Planned 2022 LIDAR Project:
    - USGS issued initial award
    - 3DEP Funding for $216,000
    - (~30% of cost)
    - ~3200 square miles of 0.7-m LIDAR
      - Replaces less precise data from 2011 in Rockland County
      - Replaces 2014 data in other 3 counties
      - Scheduled for 2022 flights
- Emergency Management Support
  - 2 GPO GISS deployed to Kentucky 12/19/21 – 01/01/22
  - ESRI Collector application for OEM managed ice jam monitoring
  - Survey 123 survey to allow public to report damage due to ice jams
  - DHSES has access to Small Business Administration funds
  - Update to Survey 123/QuickCapture app for Wide Area Search
  - DHSES – OFPC uses it
  - NYS EOC activation for COVID- 19 ended 3/11/22
- Clearinghouse Replacement
  - ITS Web team engaged
  - ShareGIS setting up ESRI hosted AGOL
  - Two phases planned:
  - Move content & data off old server
  - Will use Drupal, ESRI Hub, and AGOL maps for info and basic data access
  - Retain Discover GIS application
  - Add customized map interface and increased functionality
  - Will use ESRI Enterprise for customization
  - Retire Discover GIS application
  - Schedule TBD, but aiming for Phase 1 in 6 months
- GIS Platforms
  - There have been 290,110,421 service requests since December 14, 2021.
- GCO report (O'Connor)
  - Chris provided an overview of the ITS GIS Client office (GCO). The GCO supports 12 agencies may with larger GIS footprints. This is a subset of the agencies represented in the State Agency Advisory group. Considering the purpose of GAC Chris proposed limiting the GCO report to bigger initiatives under GPO in the future. The State agency group can take the lead on other items. Eric mentioned the GCO could focus on strategic and tech directions. Chris added that

functional needs of clients drive direction. Both ESR and QGIS are being used. Chris also manages data intelligence and the open data platform. Chris is interested in bringing the GIS Clearinghouse, NYC GIS web page, and the open data environments closer together with the end user in mind.

10:30   Break
- Federal report (O'Brien)
  - Julia provided a federal report. Here is the link: http://gis.ny.gov/coordinationprogram/workgroups/wg_10/documents/2021-12-14-GAC-federal-report.pdf
  - Julia would not be surprised of the NGS modernization is pushed back beyond 22/23.
- State Agency Advisory Group report (Herman)
  - Eric provided a recap of the 1/11/22 meeting of the State Agency Advisory Group. Here is the link: http://gis.ny.gov/coordinationprogram/workgroups/wg_7/meetings/2022-01-meeting-minutes.pdf
  - Next Meeting 4/19

10:55 Real time/Near Real time aerial imagery (Ruhren)
Tim started by suggesting a change to the title to include newer imagery than the basics. We started thinking about filling the gaps: 1st awareness – there used to be a work group and outreach around remote sensing.   2nd, we should determine if there is enough need to pursue a access mechanism agencies could use. Tim proposed setting aside time in the September meeting to gain focus.

11:00   Snowmobile Trails (Nicole Unser, NYS Parks Snowmobile Unit)
Nicole provided an update on the NYS snowmobile trail network. The program to maintain and connect trail networks is funded through snowmobile registrations. 10,500 miles of trails are supported. There has been a huge boom in snowmobiling during the pandemic. Law enforcement is collecting information on accidents. There is a place for coordinates on the accident reports. Parks is pushing the importance of recording and analyzing the locations of snowmobile accidents. Grants are based on the milage of trails maintained by recipients. Significant changes to trails require SEQER. Landowner information is very important. Through many use cases Nicole explained the importance of GIS in managing the snowmobile network.

Christina explained how trail mapping was done in the past and is done now. Historically Parks printed 7.5 min quad maps and mailed them to counties to mark up. In 2004 GPS collection with a 3-year update requirement went in. Data comes in multiple formats. Some provide information annotating the changes. The process is very manual. Parks is hoping for an automated system to inject and process the data. Each county had different technical capacity. The trail system is a representation of what is funded but not necessarily the entire systems. Trails rerouted during the season are difficult to capture. The trails need to be better integrated in 911. Mickey suggested data transfer by shape file. Heather suggested a revamped training program for the clubs. Christina mentioned GAIA GPS as a collection platform. Nicole outlined improvements to outreach and training materials. Heather suggested that the county GIS coordinators get access to the same materials the clubs get. Eric suggested that the AGOL approach is great technically but warned the named user casts may be difficult. Nicole suggested collaboration with DOT as trail/road crossings are provided by DOT. Keith

mentioned a limitation in the 911 software. Trails need to be part of the road network to show up in the dispatch system.

11:30 **Empire State Trail** (Andy Beers, EST Executive Director)
Andy Beers provided an overview of the Empire State Trail. The trail connects and integrates existing trails into a statewide route including 180 miles of new off-road trails. The project budget was $300 million. Andy continued by discussing emergency response. The new trail segments are wide and enough to accommodate emergency vehicles with some cavoites. 99% of the trail has cell coverage. There is a debate over the need for mile post or addressing for 911 response. By popular demand guidebooks and printed maps are available. Many requests are from out of state or out of country. Andy mentioned the need to get the trail data into the commercial map/GPS companies. Frank offered to continue to make connections. Keith explained that the conveyance of the XY coordinate with a 911 call works, but dispatching to an XY is difficult.

12:00 **Break for lunch**

1:00 **GAC page on GIS Clearinghouse** (Winters)
- What should be kept, how should the pages be structured?
- http://gis.ny.gov/coordinationprogram/
  - Bumpers – entering realm of modern of supported web sites
  - Frank POC from GAC- tester evaluator tester
  - Heather – people look here for help – let's make it easy POC
  - HTTPS
  - Template – yes
  - ADA compliant
  - Vast majority out of date
  - Google analytics or Splunk - can remove the pages not visited
  - Much is out of date – make archives public but clearly archive – not prominent
  - ADA actability – styles and headers
  - Modern templates include ADA compliance
  - Some driven by costs – if all of the minutes
  - Old content may be misleading – a liability
  - One year back on note – if it hasn't been used in last 2 years – toss it.
  - Work group to review and make recommendations:
    - Ana
    - Julia
    - Eric
    - Keith
    - Lindi
- http://gis.ny.gov/coordinationprogram/workgroups/details/index.cfm?ID=10
  - GAC page discussion should end with Frank- what should stay, go, add

1:37 GIS and 911 including (Keith Ducett/Chris Rado) – continuation from last meeting
Keith and Chris lead a discussion of GIS and 911 including:

- Boundary line concerns (PSAP, Emergency Service Zone, etc.)
    - Problems include: natural areas, highway access, municipal boundaries cutting through buildings, line conflicts, fire, police, ema and PSAPS need to be coordinated, addresses easier to get to from other PASAP boundaries. Chris suggested starting with a data set that is already topologically good and edit it. Keith shared 911 call audio and associated maps in the CADs. Park mangers want to know the 911 boundaries within the parks.

1:55   Brainstorm ideas for future meetings
Svetla – youth camps project
Environmental Justice
Community based org data in the clearinghouse
GIS and security – how do you set security parameters on the GIS servers?
Dig Safely NY in June
GIS and ADA map compliance.
Imagery follow up – more real time
Micro-credentialling
Carbon sequestration –
State
NGS Datum

2:00   Meeting adjourns
Motion to adjourn – Keith, second Cattyann - approved
Future Dates:
6/22
9/14
12/7