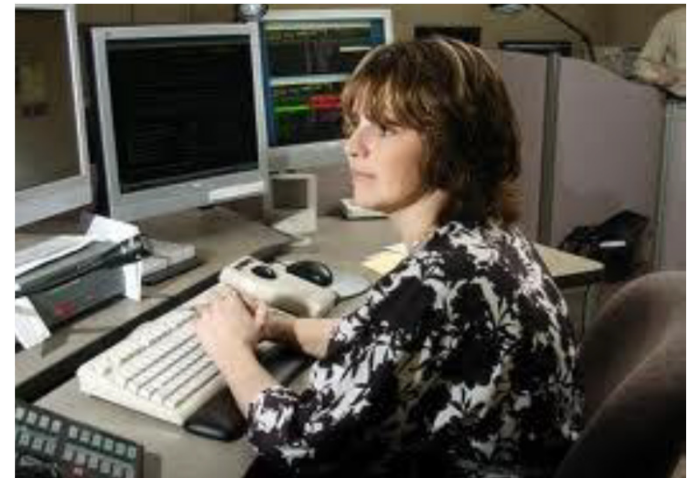


# Habersham County Radio System Project

Project Status



# Current Radio System

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- 4 site Motorola VHF trunking system
- Tower heights do not exceed 100 feet
- Little to no indoor radio coverage
- End of sale on radio equipment September 30<sup>th</sup>, 2016
- End of equipment support 2022
- New radios for the system can't be purchased
- Repair of certain infrastructure items are in question

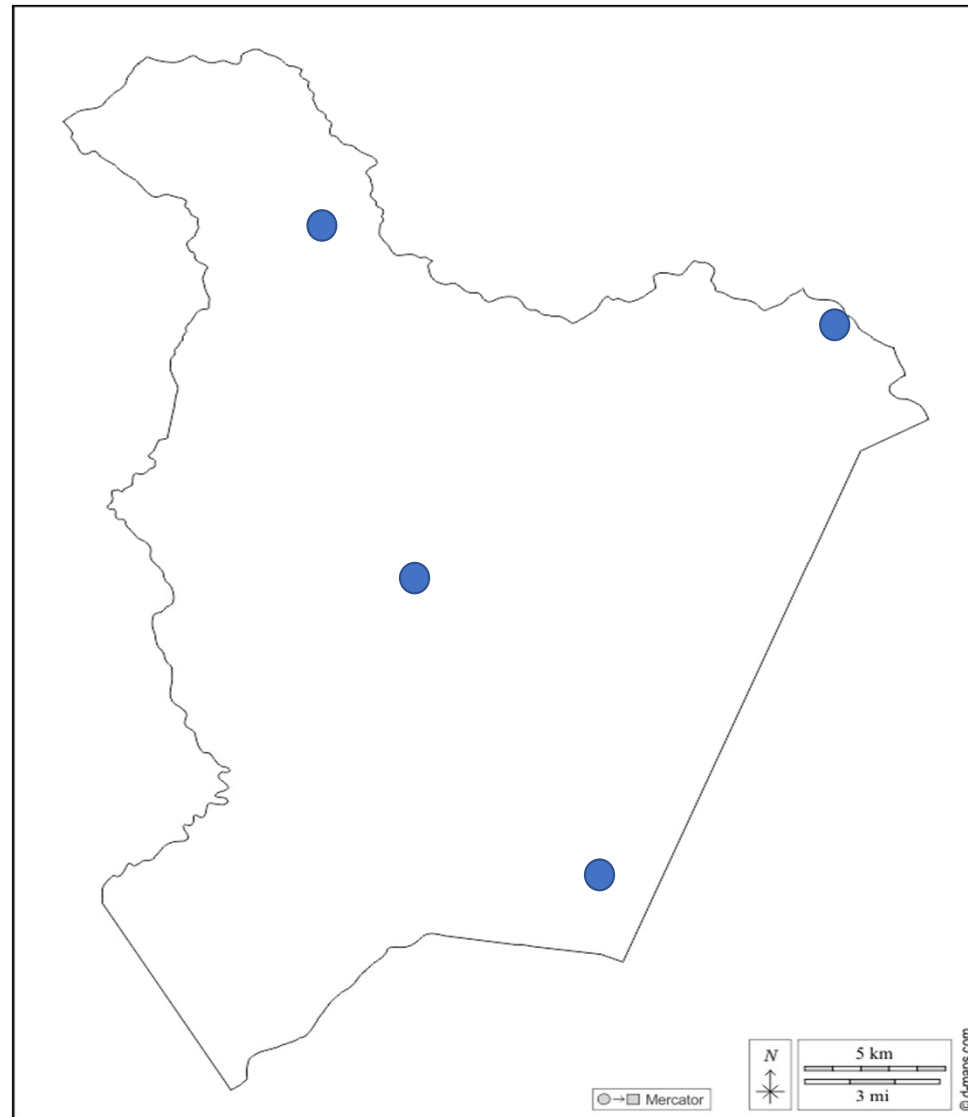


Ivey Mountain  
Site

Batesville Site

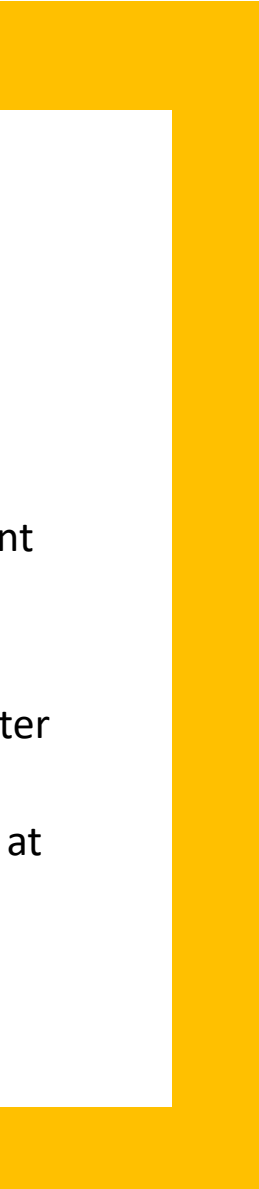
Grandview Site

Tallulah Falls  
Site

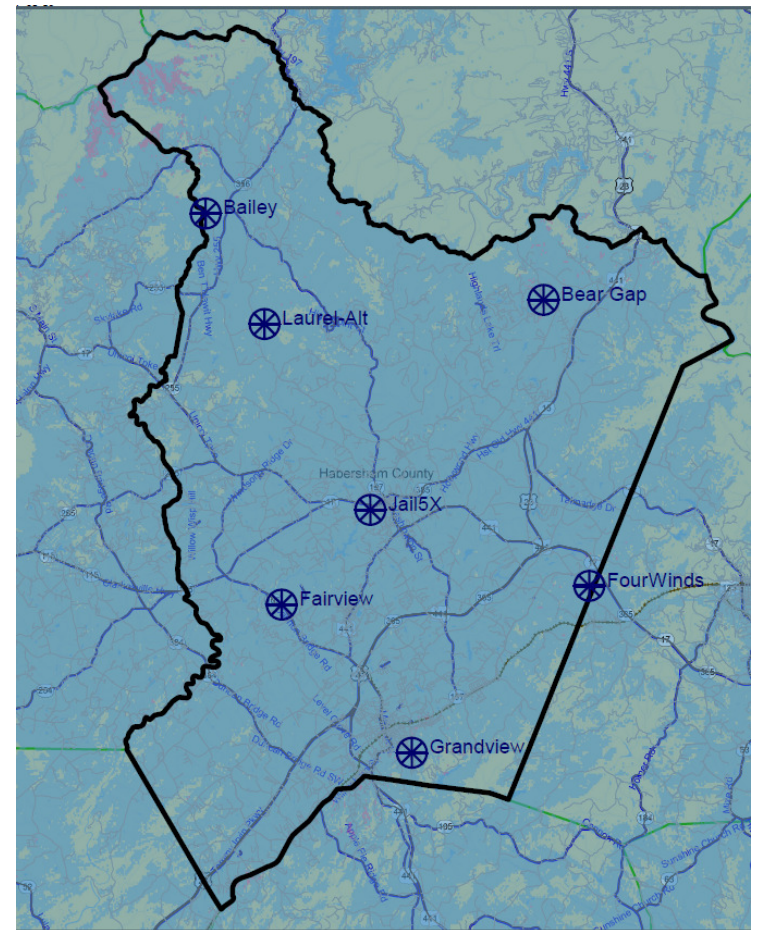




# New system overview

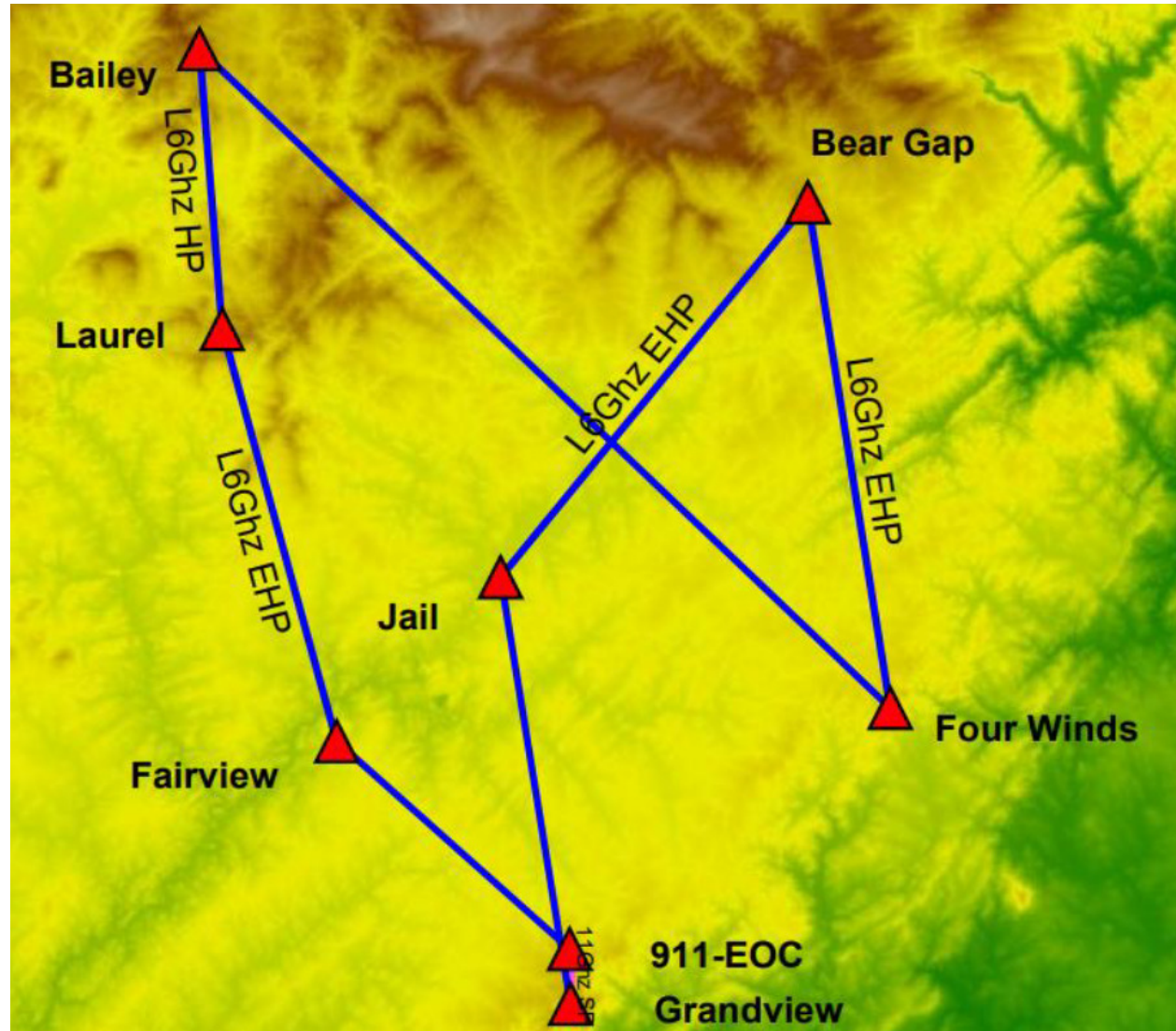
- L3 Harris P25 Phase 2 system
  - Seven site Simulcast with single site multisite
  - 5, 800Mhz channels per simulcast site
  - Redundant system cores (Jail site, current 911 center)
  - New dispatch radio consoles
  - Loop protected microwave ring for greater redundancy
  - Backup generators and battery backups at each site location
  - Real time system monitoring and alerts
- 

- New tower site location
- 5 of the tower site locations are locked in with 2 site acquisitions still in progress.



## Loop protection microwave ring map

The ring design ensures that if one link is broken the data can circle around with no noticeable disruption.



Monopole tower



Self-Support tower



- Generators have been ordered to combat supply chain issues.
- 4 pre-fabricated shelters have been ordered.
- 5 sites going through construction drawing reviews.
- Old tower removed from 911 center.
- 5, 800Mhz frequencies have been identified that are not NPSPAC giving more flexibility.

