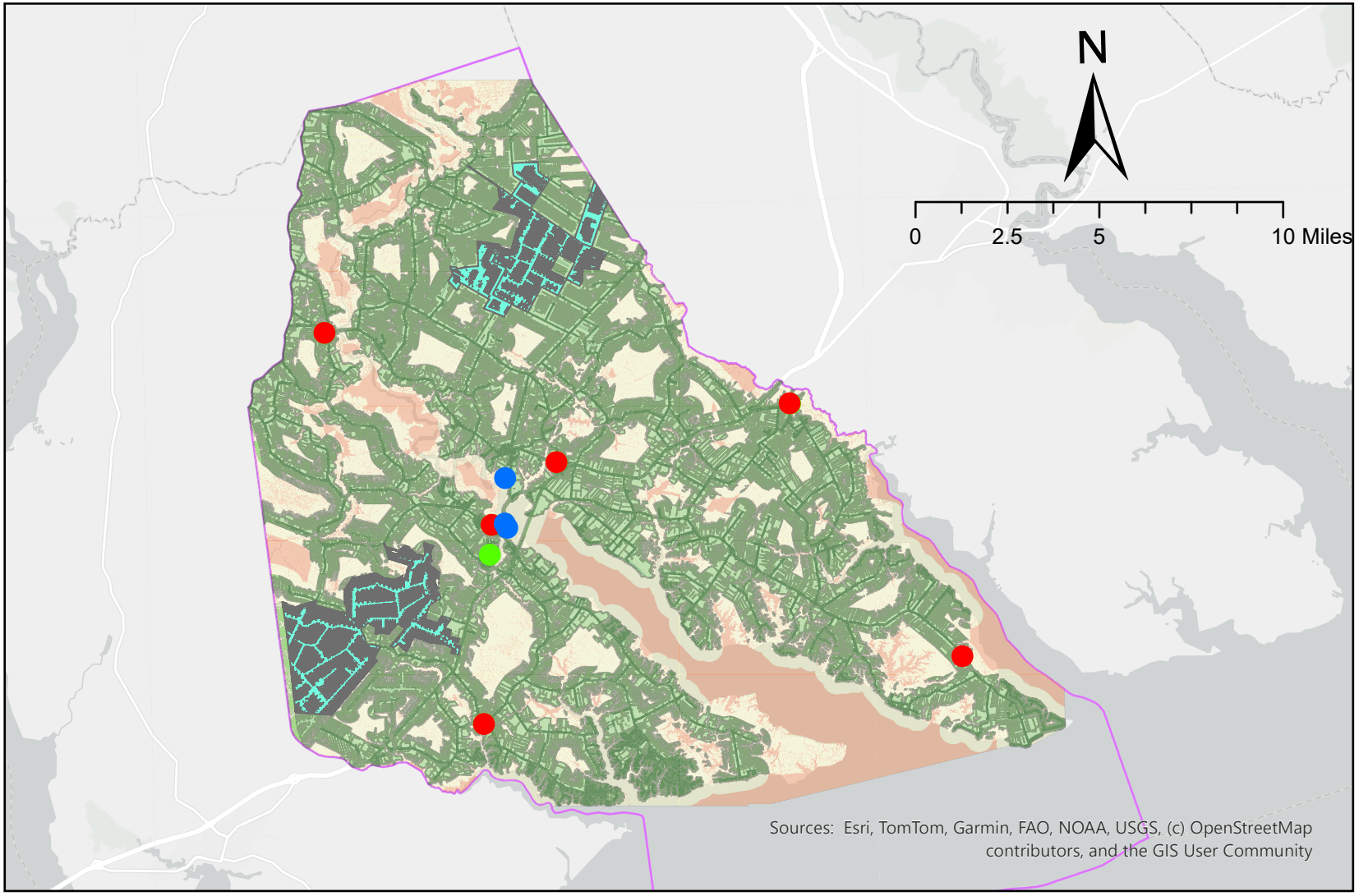
# Emergency Services Facility Suitability & Top Candidate Parcels (Perquimans County, NC)




## Legend

Existing Facilities

Service Type

- EMS
- Fire
- Law Enforcement

- Top 5 Parcels
- Candidate Parcels

High Sustainability (Value)

- 4
- 5

Suitability Surface (Value)

- 1
- 2
- 3
- 4
- 5

- Boundary (Perquimans)

This map identifies optimal locations for a new emergency services facility in Perquimans County, NC. A weighted overlay model was created using slope, distance to roads, flood hazard, and land cover to generate a countywide suitability surface. Parcels intersecting high-suitability zones were extracted and evaluated based on parcel size and distance to existing emergency service facilities. The top five parcels (cyan) represent the highest-ranking candidate sites for potential development.

NC OneMap: Parcels, Roads, Flood Hazard (NFHL), Land Cover
USGS: DEM (for slope)
Local/County Data: Existing EMS, Fire, and Law Enforcement Facilities
Analysis performed in ArcGIS Pro 3.6.4
By Rayce Perales