



NORTH CAROLINA Department of Transportation



NCDOT UAS Update

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Overview

- Who we are
- What we offer
- What's next



Who are we?

- NCDOT – Division of Aviation
- UAS Specialists
 - Air Force pilot & computer scientist
 - Photogrammetrist & drone pilot specialist
- Standup ops center in case of disaster
- Day job: integrate drones at DOT and across NC

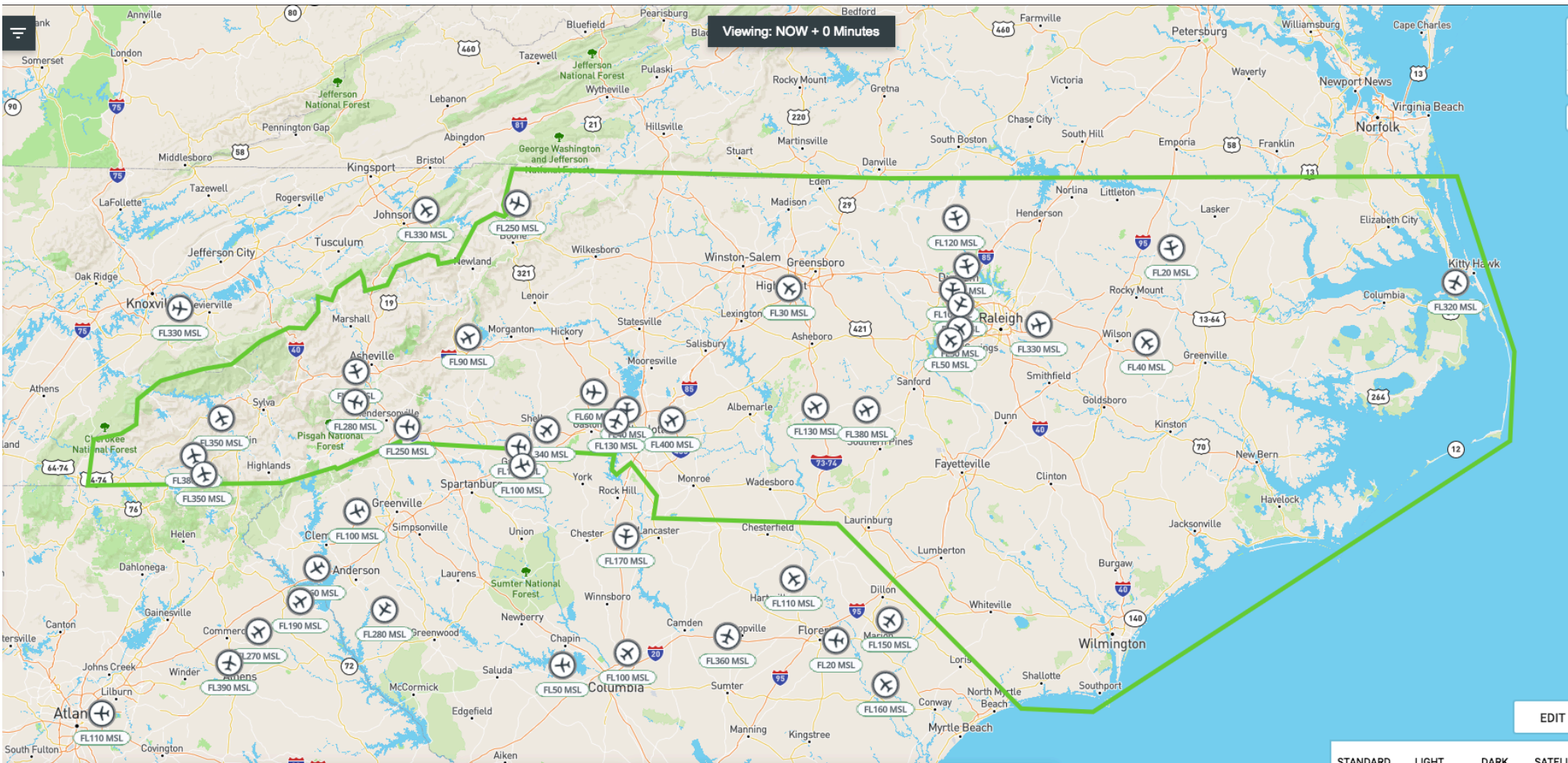


What do we do we offer in a disaster?

- Manned/Unmanned Aviation Expertise
- Statewide roster of pilots (NCDOT and consultant)
- UAS Flight Dashboard
- GIS Dashboard for aerial imagery

Expertise

- Function as Liaison between:
 - NCEM
 - Drone Teams
 - STOC
- Can provide drone-specific help with the FAA
 - Special Governmental Interest process



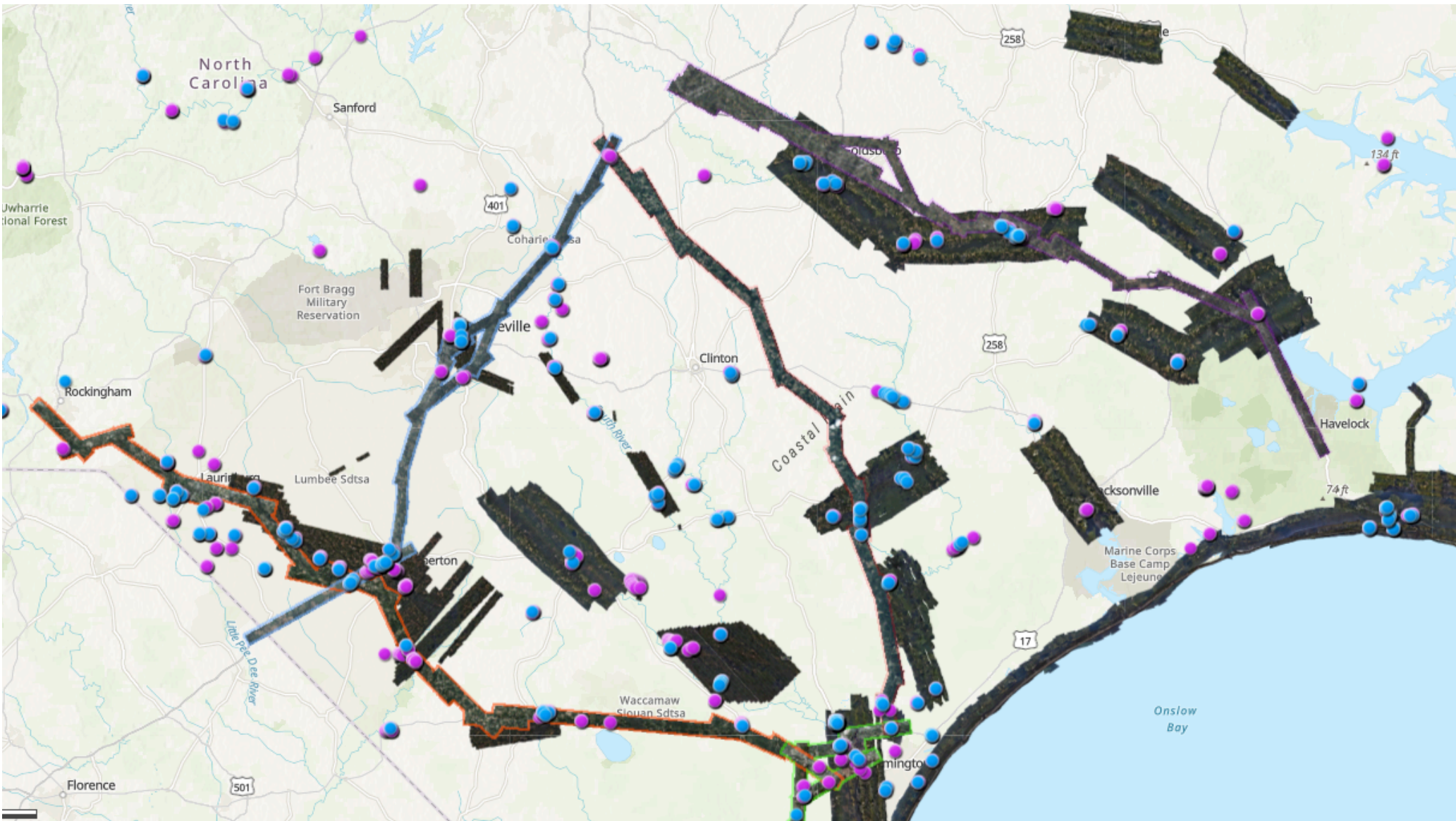
EDIT

STANDARD LIGHT DARK SATELL

Total Flights	Manned	Drone	Authorization Status		
			Pending	Accepted	Rejected
45	45	0	0	0	0

<https://dashboard.airmap.io/developer>

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Statewide Pilot Roster

- NCDOT & Consultants:
 - ~30 pilots, mostly Winston Salem and east
 - Variety of specialties (engineers, environmental, inspectors)
 - Variety of platforms
- Capabilities:
 - Live streaming
 - 4WD vehicles
 - Viper and VHF Radios
- Request support via WebEOC

What's next?

- Better manned/unmanned integration:
 - Manned aircraft provides “ISR”
 - Enables timely, accurate placement of drone teams
- Long-range UAS



Questions?