

South Carolina Urban Search & Rescue

Technology & Response...A Winning Combination



Overview

- South Carolina Task Force 1 (SC-TF1) is made up of 120 dedicated volunteers from various Fire Departments across South Carolina.
- SC-TF1 is housed at the State Fire Academy in Columbia, SC.
- SC-TF1 is under the SC Emergency Response Task Force (SC-ERTF) which host three programs.
 - Firefighter Mobilization (FFMOB)
 - South Carolina Task Force One (SC-TF1)
 - South Carolina Helicopter Aquatic Rescue Team (SC-HART)





South Carolina Fire A

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SC-ERTF

- The SC-ERTF is operated by three full time employees, 1 part time employee and 5 temporary employees.
 - Asst. State Fire Marshal over ERTF – Ken Kerber
 - Program Manager (Section Chief) – Shon Hamilton
 - Program Coordinator (Branch Chief)- Chad Beam



SC Office of the State Fire Marshal

- The SC-ERTF is one of three divisions under the SC Office of State Fire Marshal.
 - South Carolina Emergency Response Task Force (SC-ERTF)
 - State Fire Academy
 - Office of State Fire Marshal (OSFM)



Hurricane Florence

- SC-TF1 was deployed for 21 days.
- The response consisted of 6 counties within SC.
- The response was majority water rescue initially with 400+ boat operations.
- As the response transitioned into a search mission, we were using antiquated methods for confirming areas.



Hurricane Florence

- As the mission focused on three main counties, we knew that we would have to provide adequate information in order to ensure everything was checked thoroughly.
- Teams operating in the area
 - SC-TF1
 - EMAC Teams (Louisiana and Tennessee)
 - 2 FEMA Teams
 - Coast Guard
 - Multiple County Teams (local)



Hurricane Florence

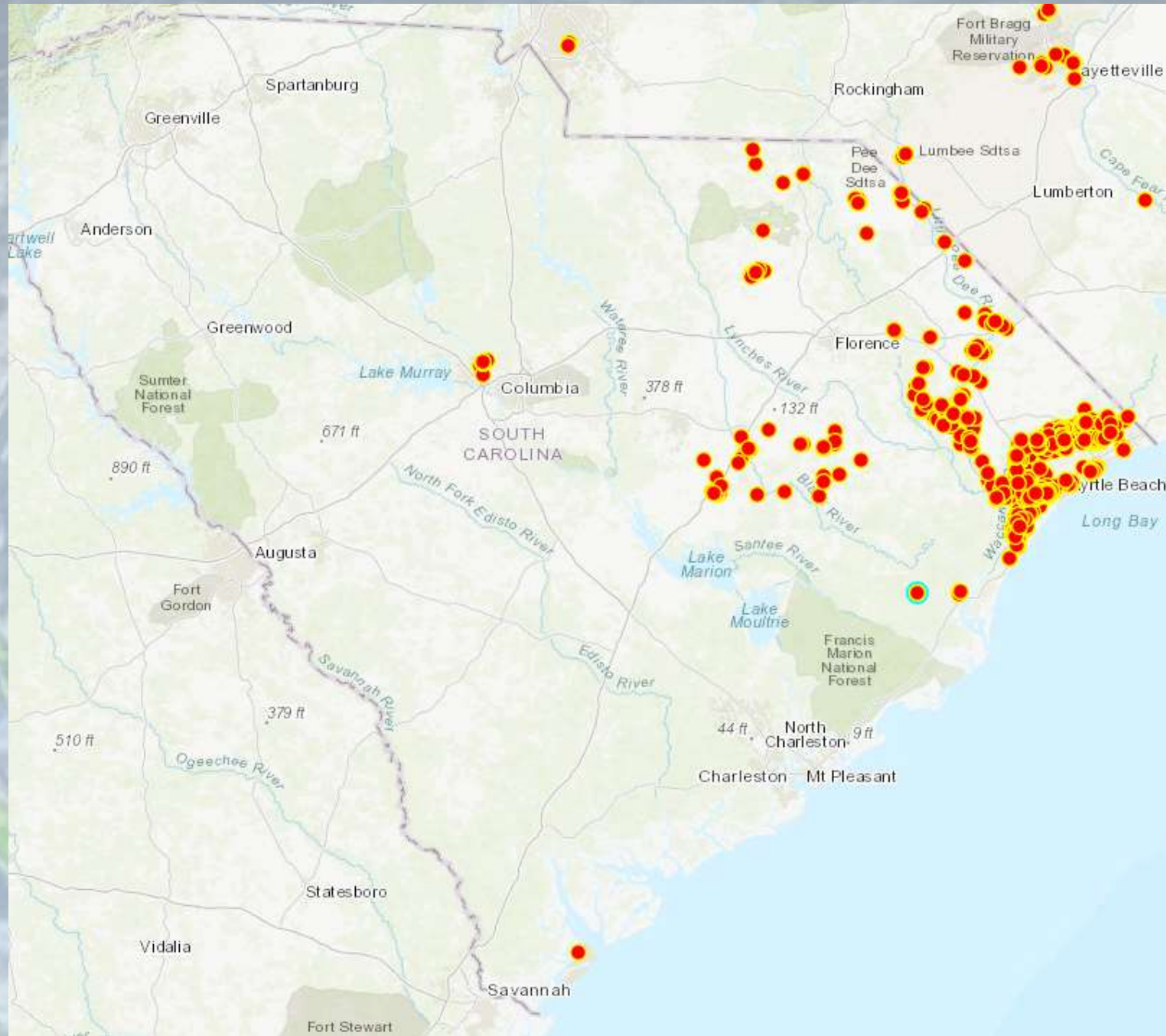
- With 300+ rescuers, we were duplicating efforts, crossing paths and unable to truly verify that a certain area had been searched and marked.
- This is where technology comes into play.
- SC-TF1 began to use Survey 123

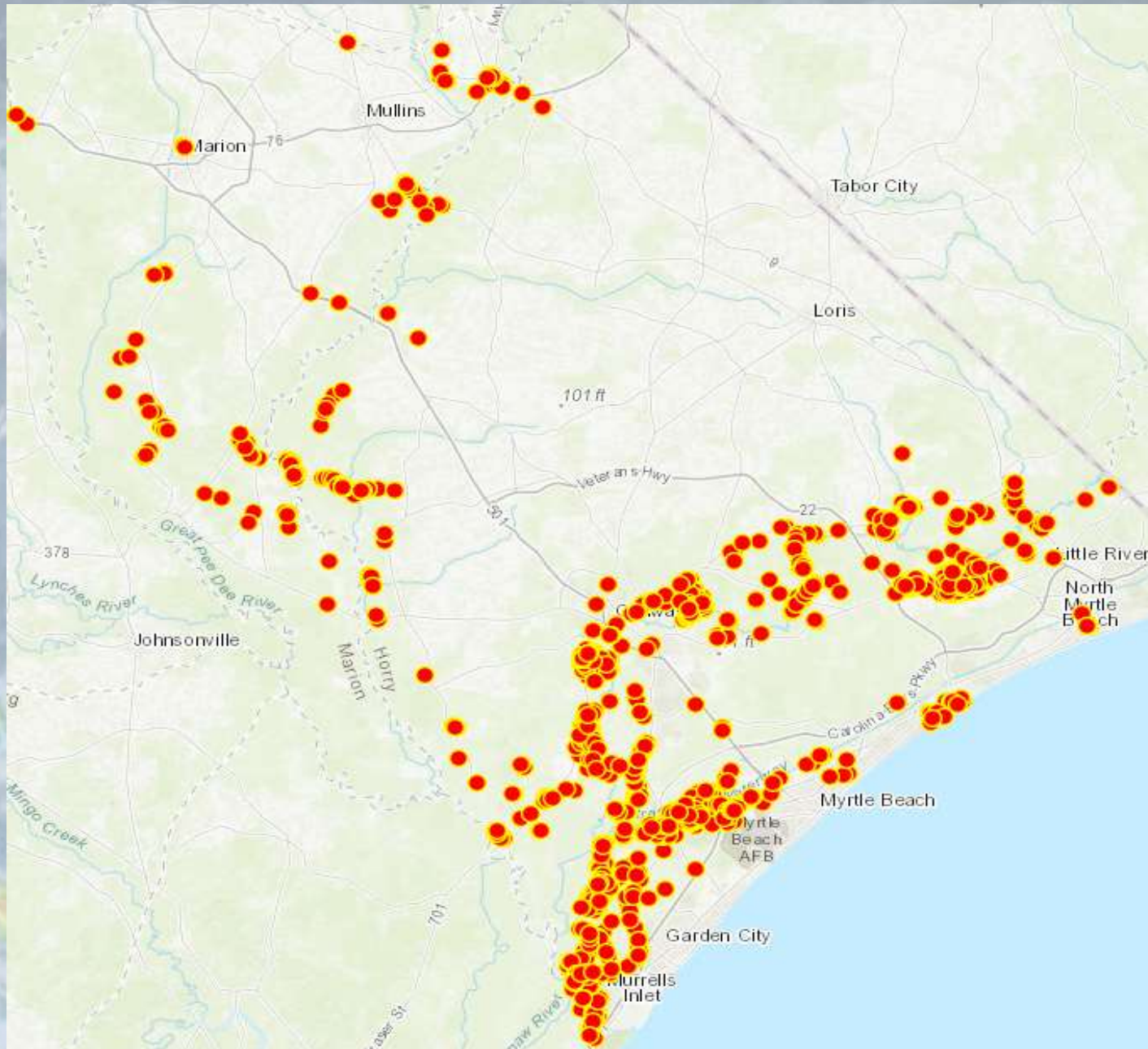


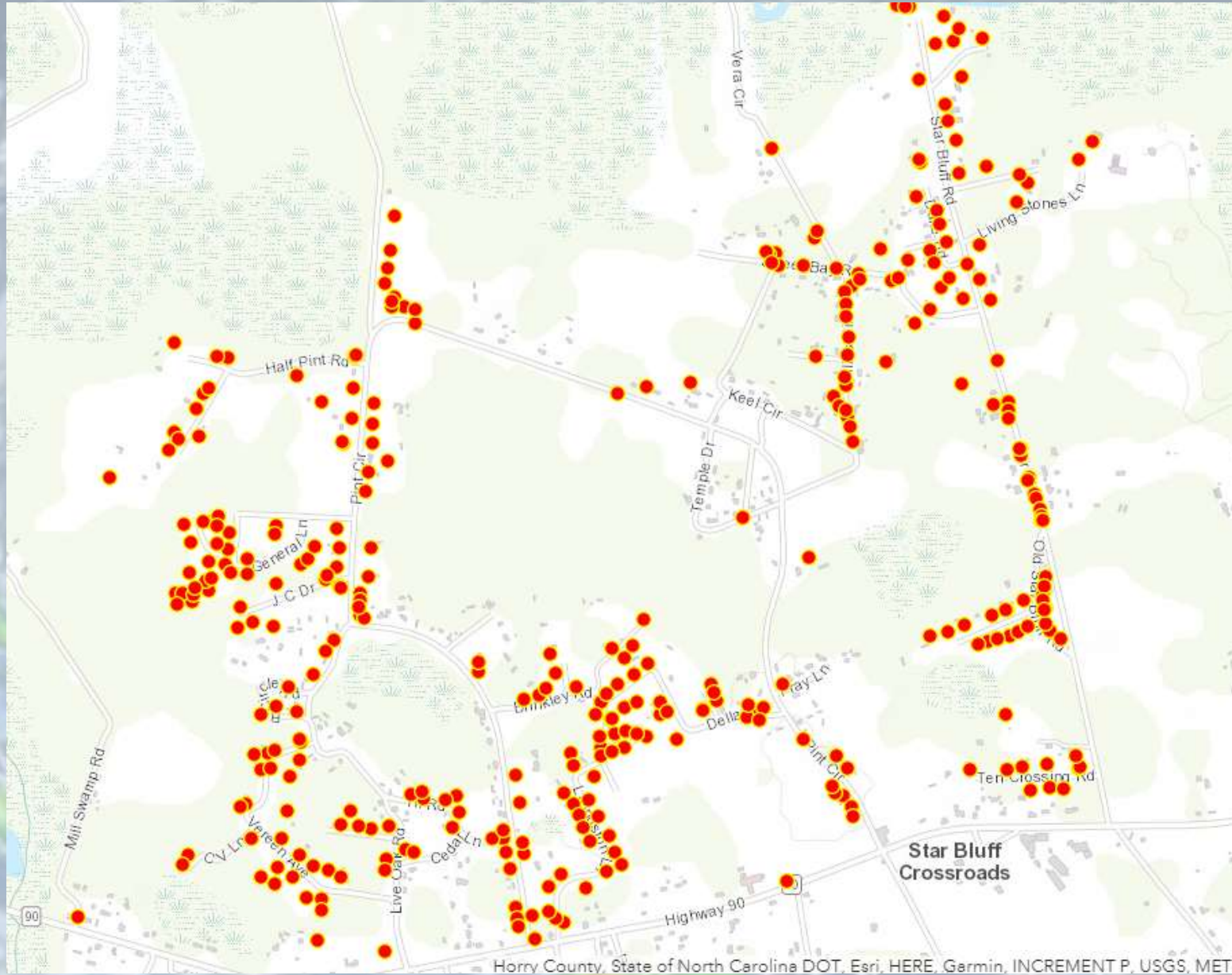
Hurricane Florence

- We were taught Survey 123 on the fly...literally.
- Once we understood the basics, we sent this out to the field and they began to use it, this was all done within 24 hours.
- Every team operating in the field (including FEMA and Coast Guard) began to use it.
- Our data quickly began to come in and it was verifiable data...good data in, good data out...that's important in this situation.













SAR Field Data Collection

Submitted By: grp7.t3.2
Submitted Time: Sep 27, 2018, 8:28:52 PM

Team Name

sctf4 boat 1

Your Name

Eric Lainhart

Location

Lat: 33.67396 Lon: -79.1423



USNG

17S PT 7221 2755



Waypoint

Damage

mgrs

17SPT7221927554

Type of Damage

Damaged

Structure Type

Residential

Photo 1



waypoint_Photo1-20180927-
171259.jpg



South Carolina
Emergency Response
Task Force

Lessons Learned

- Involve Technology
- Never be afraid to learn...no matter the situation
- Include this within any planning for any disaster
- GIS works!

Thank You



Contact Info

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