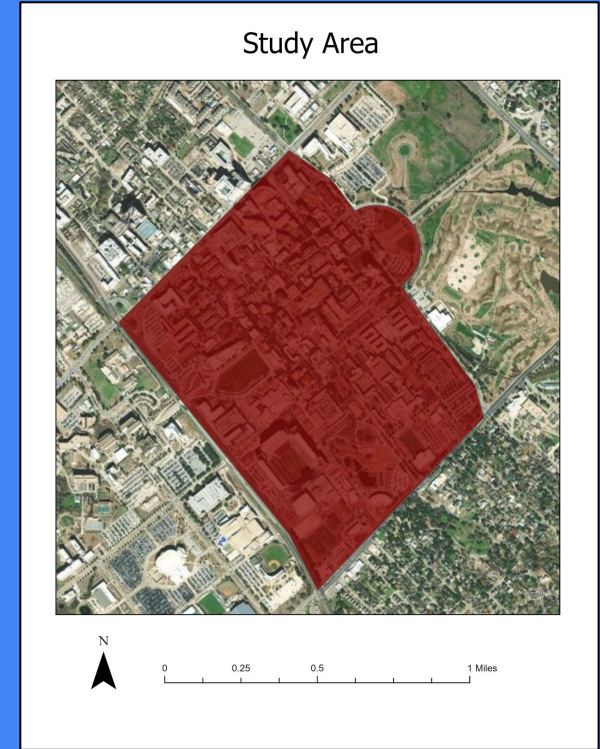# Texas A&M University Blue Emergency Phones Locator Project

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Goal

Our group was planning on locating the Blue Light Emergency phones on Texas A&M University (TAMU) main campus and creating a webpage regarding the information about them. We did locate the phones on TAMU campus, but excluded the Engineering Complex/Northside Recreational Center and Corp/Southside dorms.

Study Area

Motivation

Why were you planning to do it, for whom, to solve what problem?

- Improve campus safety
  - By creating an interactive map that shows where the Blue Light Emergency phones, police station, and hospitals are located on the main campus
    - This provides easy access that can be used by students, faculty, staff, and visitors in case of an emergency
    - Map can be personalized according to the locations the user is primarily at
- Provide accessibility
  - The webpage we created includes more information about these emergency systems such as their location, functionality, and crime in College Station
    - This promotes emergency preparedness to allow for effective response to be taken during an emergency

Approach/Methods/Data

- We used ArcGIS Field Maps as our main application to locate the Blue Light Emergency Phones.
- After the Emergency Phones were located and mapped, we created a website using HTML and JavaScript.
- This webpage holds information about the specifics of the Emergency Phones and nearest location to known places on campus.
- Additionally, we utilized w3spaces for code hosting and version control.

Locations and Collaboration

- Mackenzie: Near Oceanography & Meteorology Building (OMB)
- Nichole: Near Academic Plaza, Simpson Drill Field, & Memorial Student Center (MSC)
- Alex: Near Kyle Field & Aggie Park
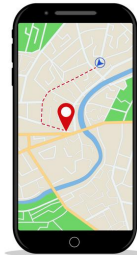- Roberto & Destiny: Northside Dorms

ArcGIS® Field Maps

Results

- What we achieved:
  - Web Map
    - Successfully created a functioning Web Map that locates emergency phones on campus
    - Web Map is user friendly and easily accessible
    - Identified emergency phones provide insight on their nearest building and include a photo
  - Website
    - Successfully created a fully functioning website using HTML and Javascript
    - Website provides further information about our project including our study area, background on emergency phones, and crime awareness
    - Contains a fully embedded web map for further accessibility

Discussion/Conclusion

- Limitations in this study include time, a 5:115 ratio of the number of group members collecting data to phone, and the exclusion of surveying the Engineering Complex/Northside Recreation Center and Corp/Southside dorms.
- We found that there was a lack of Blue Light Emergency phones near the area surrounding Evans Library as well as the areas facing Northgate. There were a great amount of phones near the resident halls.
- We hope that this information can improve emergency response times and overall safety on campus

Demo & Questions

https://tamu-emergencyresponse.w3spaces.com/