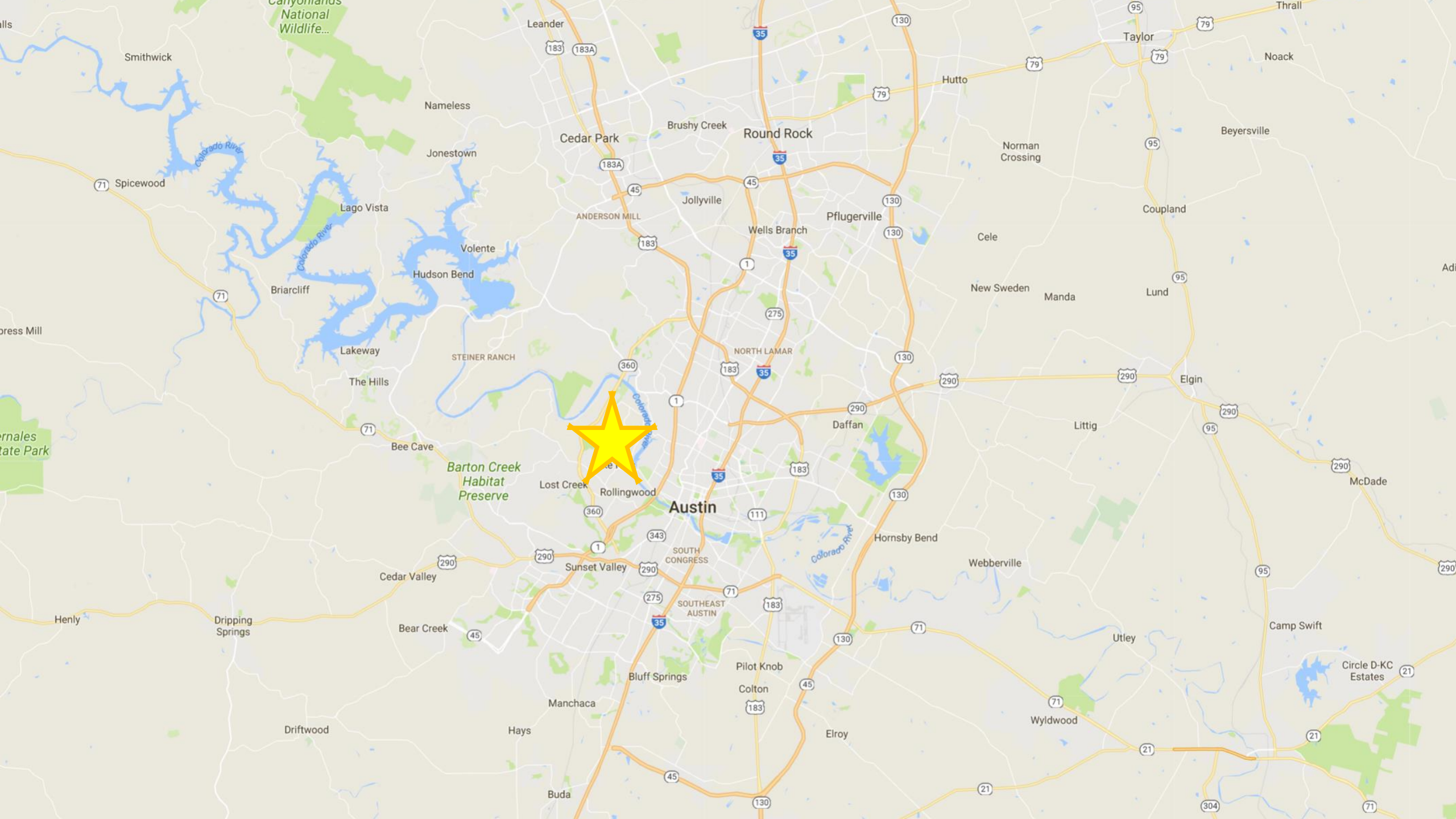
@DynamicWebPaige

Hello!

Cloud Developer Advocates

We write, speak, and dream in code. Our global team is maniacal about making the world amazing for developers of all backgrounds. Connect with us, write code with us, and let's meet up and talk cloud and all things developer!

Microsoft Azure


Canyonlands National Wildlife...
Leander
Smithwick
Nameless
Cedar Park
Brushy Creek
Round Rock
Jonestown
Spicewood
Lago Vista
Jollyville
ANDERSON MILL
Pflugerville
Wells Branch
Volente
Hudson Bend
Briarcliff
Lakeway
STEINER RANCH
The Hills
NORTH LAMAR
Bee Cave
Barton Creek Habitat Preserve
Lost Creek
Rollingwood
Austin
Daffan
Sunset Valley
SOUTH CONGRESS
Cedar Valley
SOUTHEAST AUSTIN
Henly
Dripping Springs
Bear Creek
Bluff Springs
Pilot Knob
Colton
Manchaca
Driftwood
Hays
Elroy
Buda
Hutto
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Thrall
Noack
Norman Crossing
Beyersville
Coupland
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Camp Swift
Circle D-KC Estates
Wyldwood
Colorado River

August 14th
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Round Rock
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Freeport
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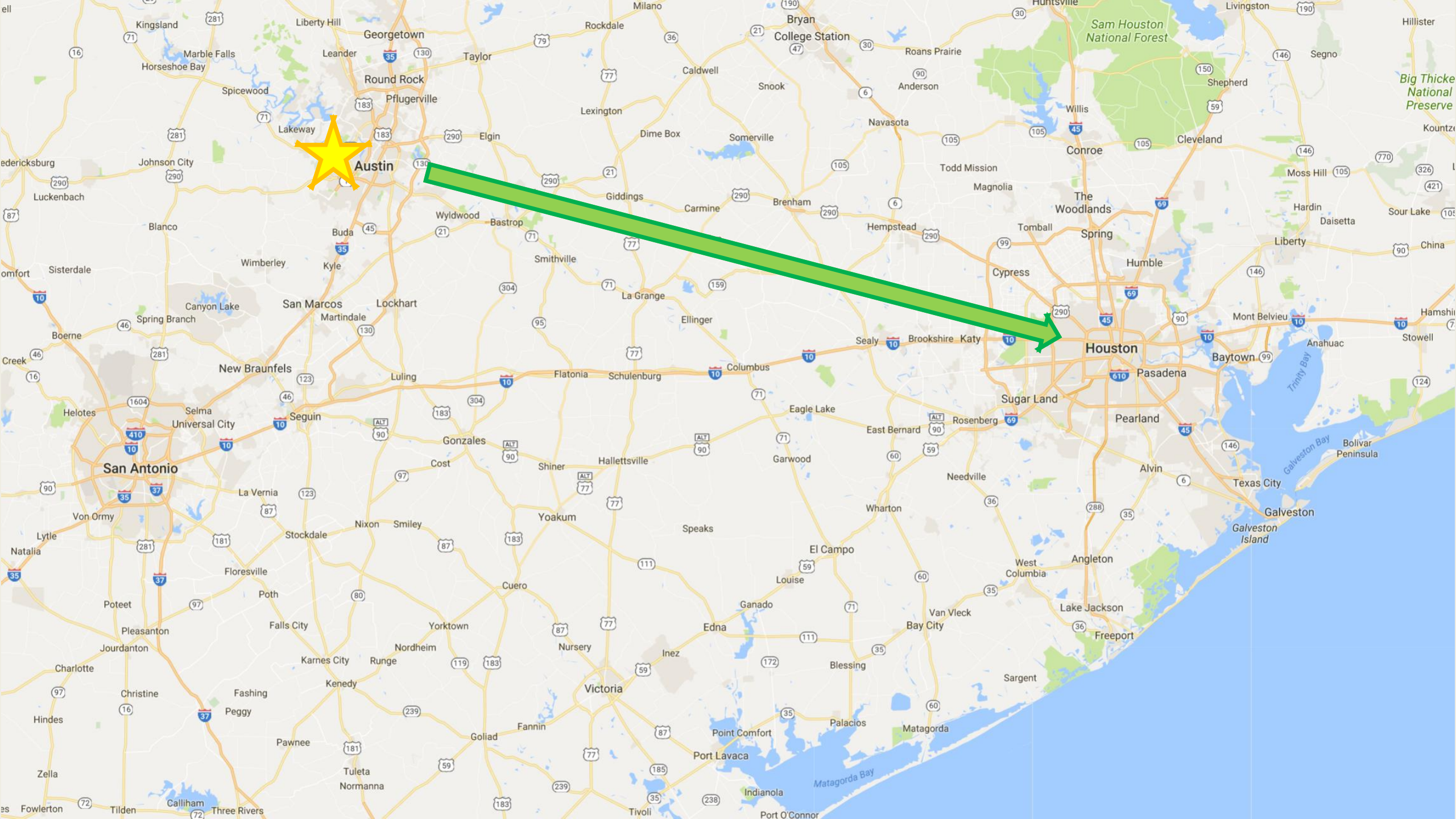
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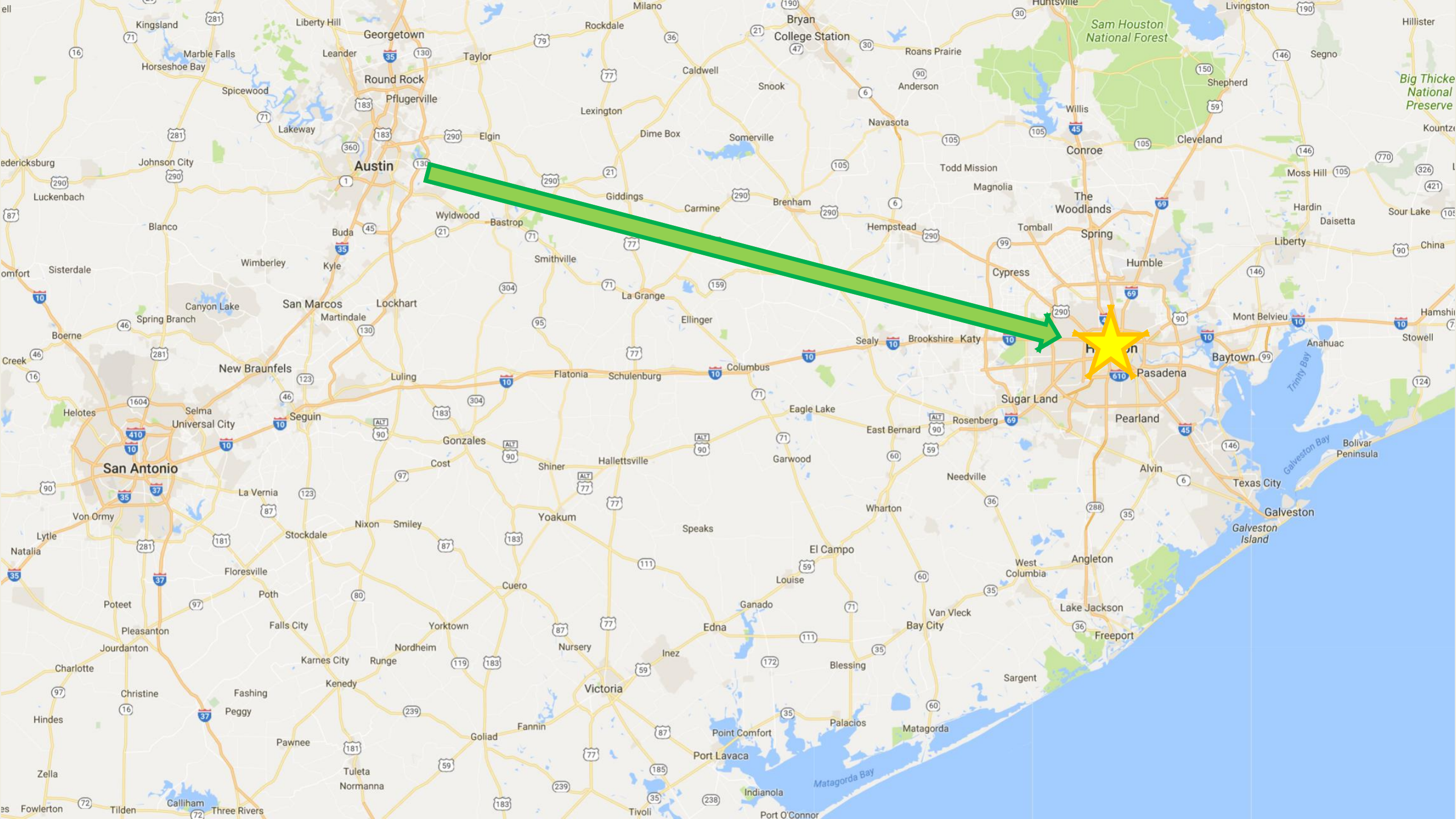
Freeport
West Columbia
Angleton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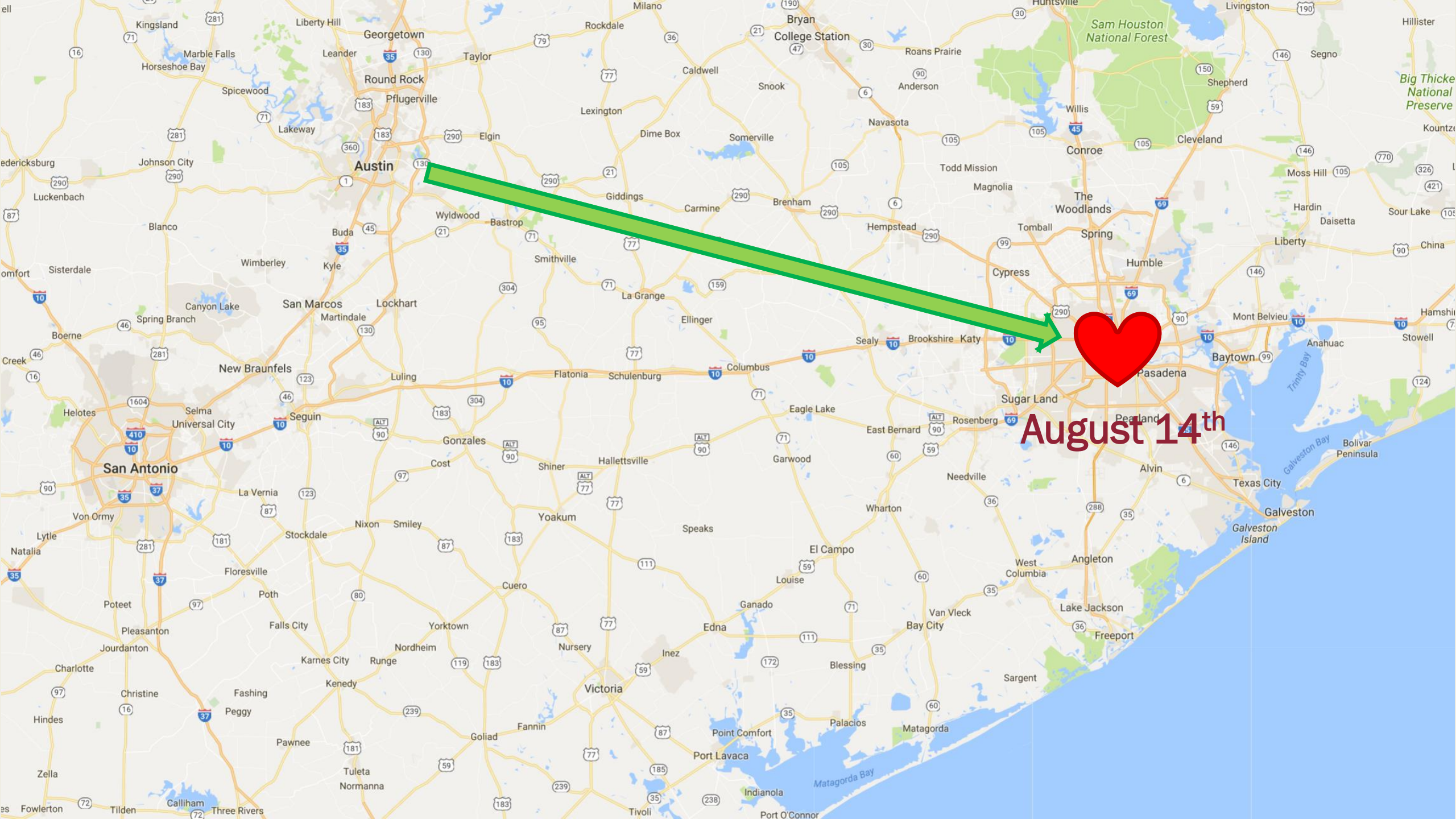
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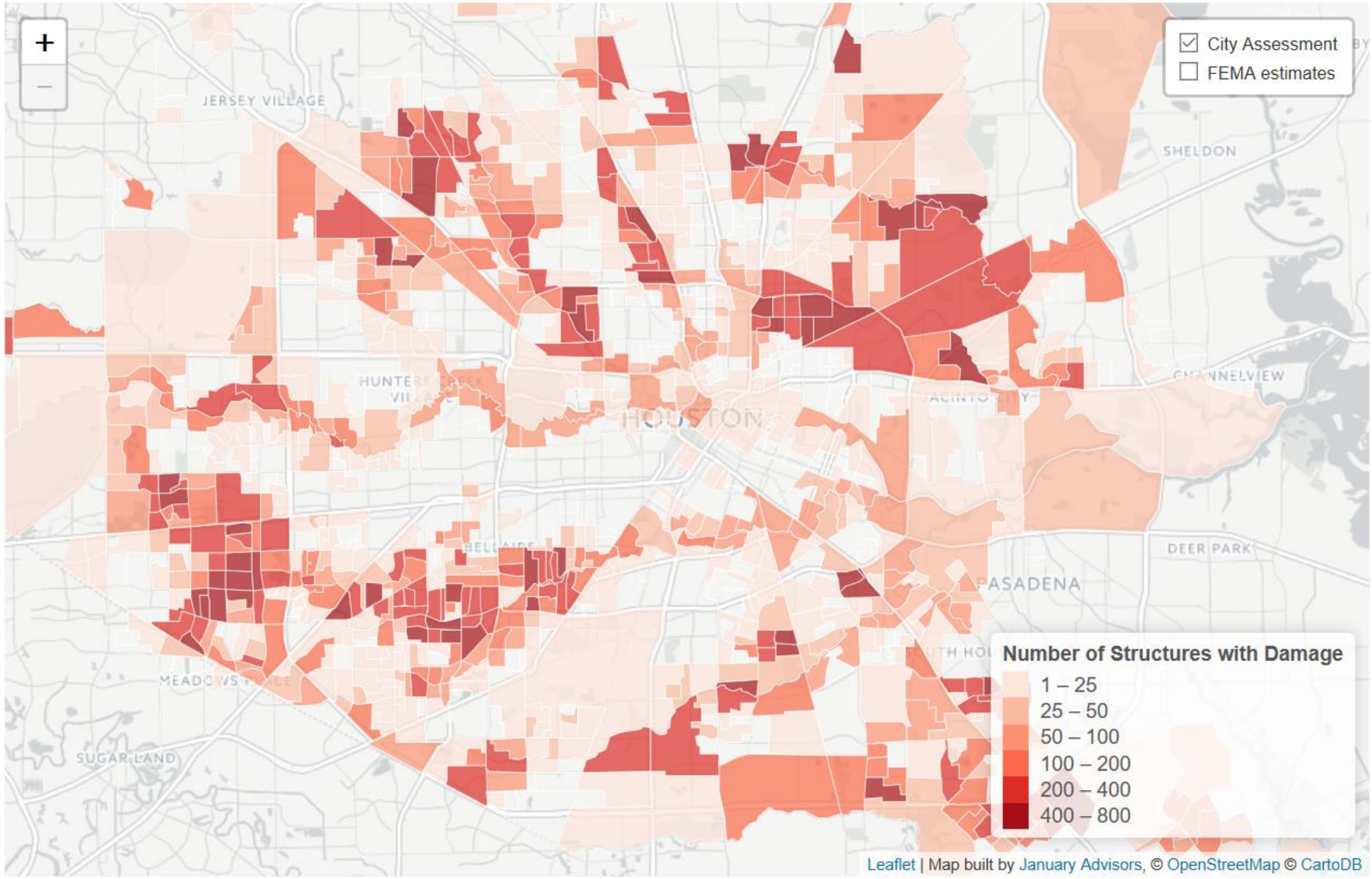
Helotes
Selma
Universal City
Canyon Lake
Spring Branch
Boerne
Sisterdale
Spicewood
Kingsland
Creek

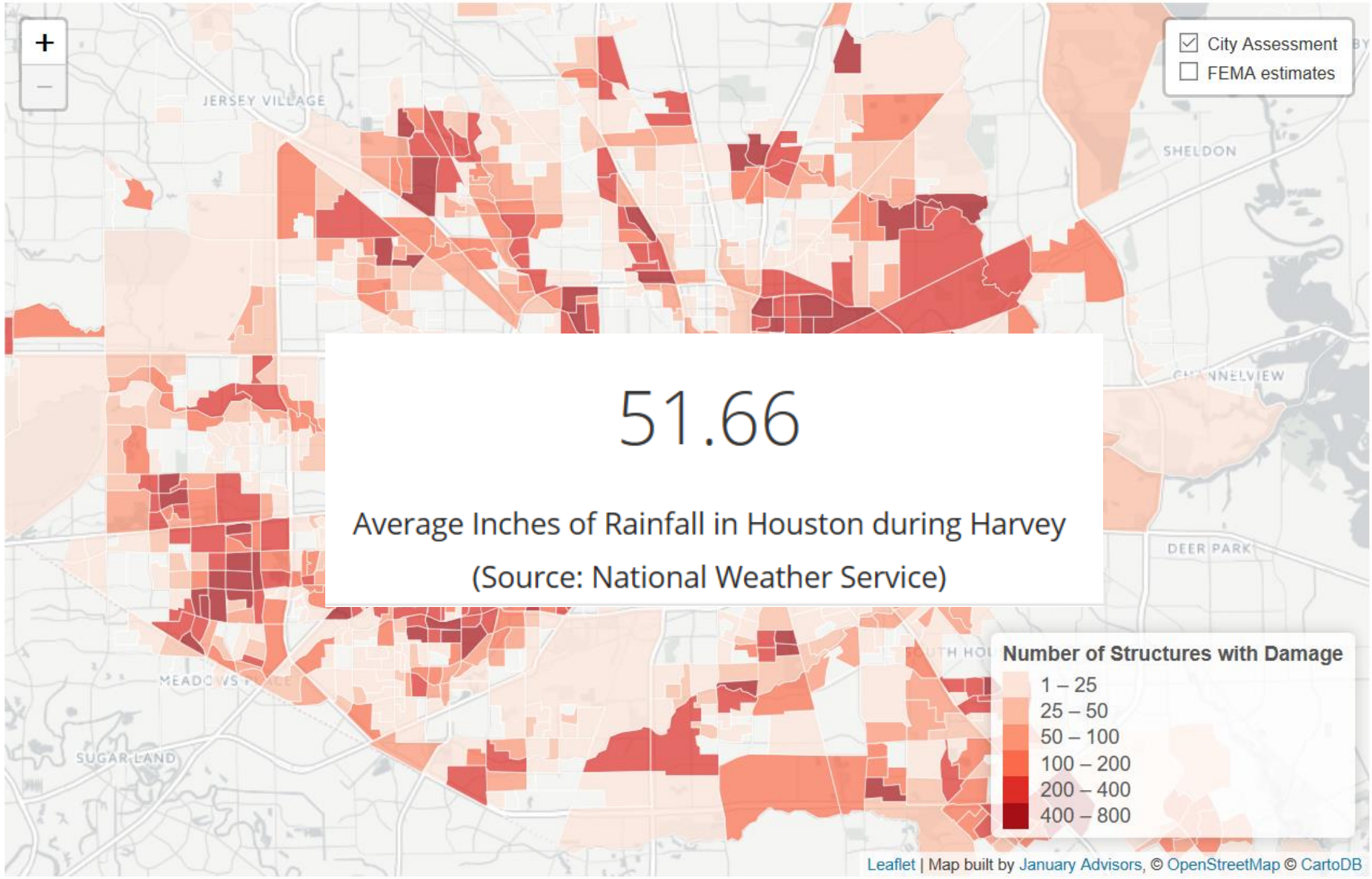
KATC abc 3
Hurricane Harvey - GOES 16
Saturday Aug 26 9:50 PM
ubbock
Dallas
Shreveport
Jackson
San Angelo
Alexandria
Austin
Lafayette
Houston
New
Corpus Christi
CONS
PIRA
TRUTH

City of Houston assessments and FEMA damage estimates of structures with damage:



Note: City damage assessments are still in progress and are based on visual observation.This data should not be viewed as a comprehensive damage survey.

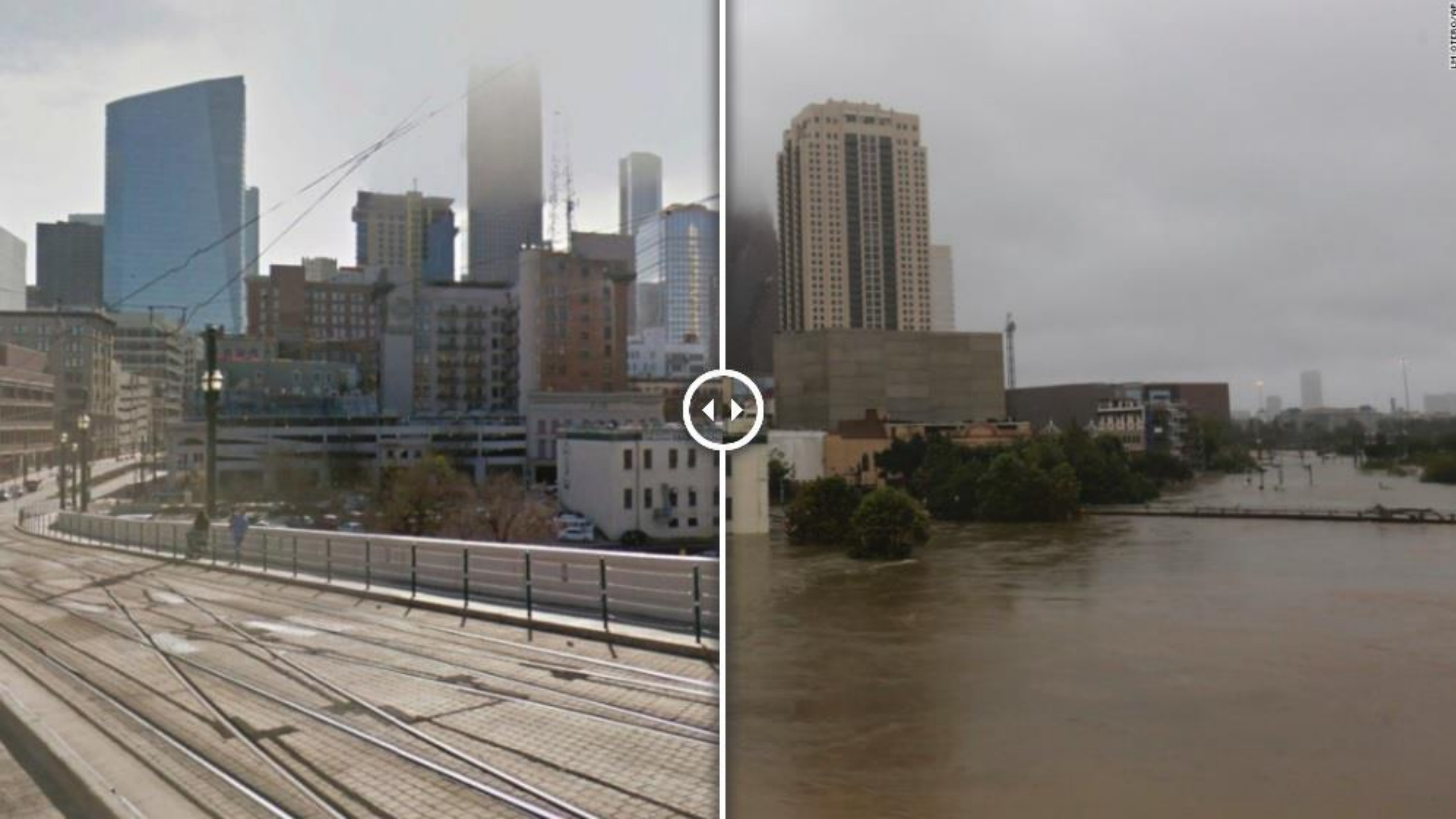
City of Houston assessments and FEMA damage estimates of structures with damage:



Note: City damage assessments are still in progress and are based on visual observation.This data should not be viewed as a comprehensive damage survey.

AP PHOTO/DAVID J. PHILLIP

MARKET STREET, HOUSTON



RESCUE
TX-TF1

Hi!
RESCUE
TX-TF1

SHERIFF
FORT BEND COUNTY

91% 11:42

Tweet

Katherine Locke @Bibliogato · 3h
@jenmathieu are you still watered in where you are? My sister's having a medical emergency and 911 still seems to be flooded w/ calls?

2

Grace Rodriguez @gracerodriguez · 3h
Can you DM me details about your sister? We still have texasrescuemap.com running

1

Katherine Locke
@Bibliogato

Replying to @gracerodriguez and @jenmathieu

Paramedics just picked her up. <3 Thank you! That's a great resource.

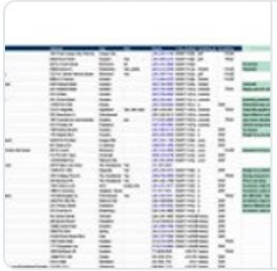
8:41 AM · 01 Sep 17

2 Likes

Jennifer Mathieu @jenmathieu · 3m
Replying to @Bibliogato and

Tweet your reply

Jeff Reichman @fileunderjeff · Aug 29
Want to help #houston from home? We need help calling shelters and confirming availability. #houstonflood



Houston-shelter-availability
Shelters Area, Shelter, Address, City, Pets, Phone, Last_updated, Updated_by, Accepting, Notes, Needs
League City, Hometown Heroes Park, 1001 East Leag...
docs.google.com

HOUSTON SHELTER AVAILABILITY

HERE IS HOW YOU CAN HELP:

Attention: Google is limiting the number of people who can edit the spreadsheet at one time, as a result, we have to lock down the spreadsheet to only up to 50 'approved editors'. If you have been working on this sheet already, please slack me on the Sketch City slack @neeraj or @izzylee (Yulan) or email neerajtandon25@gmail.com. If you are just arriving and interested in contributing, please submit new information on this form:

INSTRUCTIONS FOR PEOPLE CALLING

Call shelters on the "Shelters" tab of this spreadsheet.

--> Please prioritize shelters that haven't been updated today

http://tinyurl.com/harveysheltervolunteer

Shelters that have not been updated today will have a "yellow" last-updated time. Please call those shelters first, and have the shelter update google form up.

Select "update shelter info" on the google form, and then fill in as much of the information as possible while on the phone. Most critical information: shelter name, address, phone number, and whether or not they are currently accepting people. For locations taking only donations, please add information to the "Needs" tab.

A sketch city volunteer will transfer your form submission into this master google spreadsheet. Thank you!

INSTRUCTIONS FOR SKETCH CITY DATA CURATORS

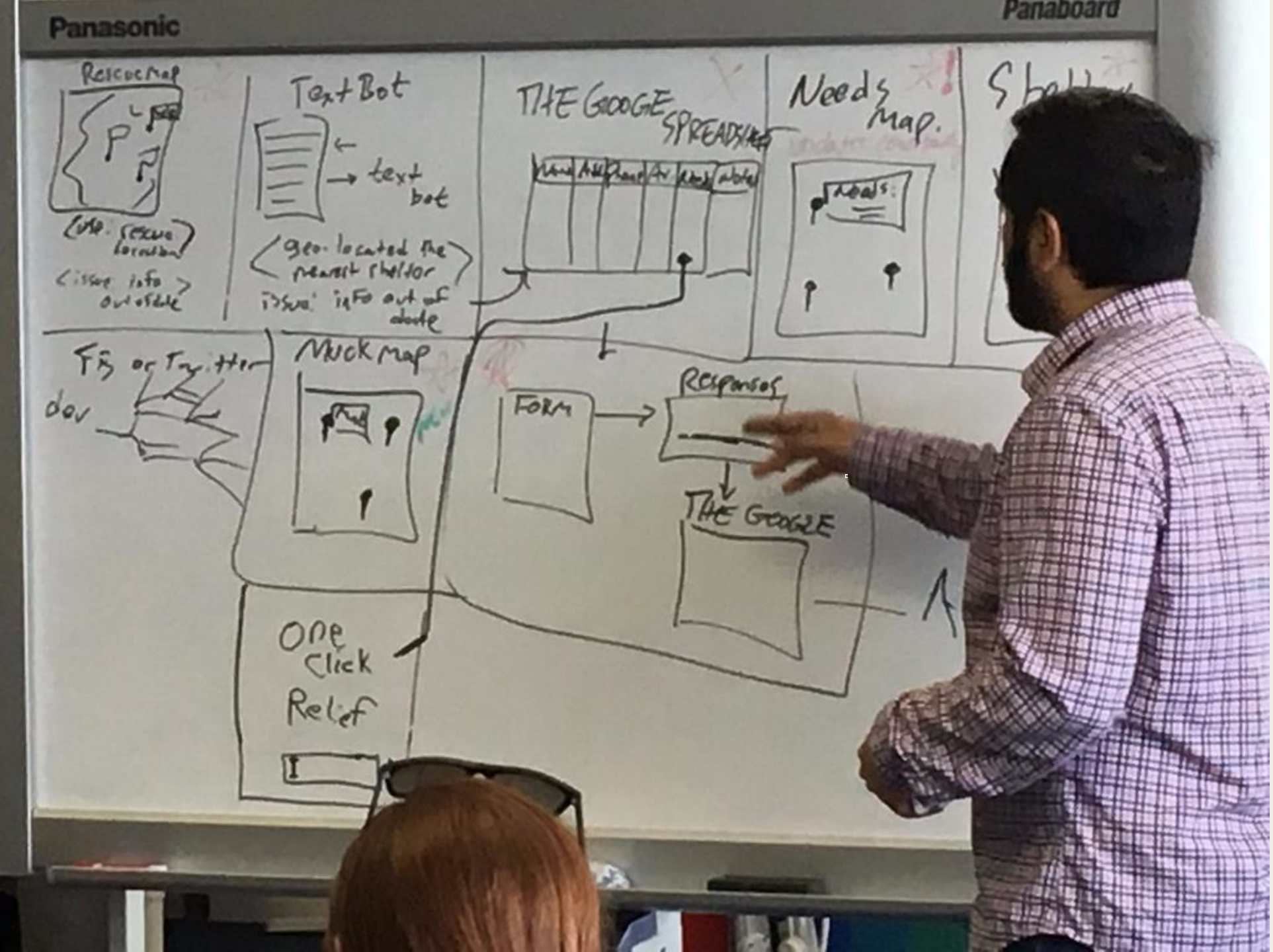
Transfer data from raw form responses to update/add to Shelters or Needs

TRANSFER THE DATA FROM: http://tinyurl.com/harveyshelterformresponses to either "Shelters" or "Needs" sheet here

Make sure to leave your name and a timestamp

Update the spreadsheet according to the below codes:

no one is coming
IT'S UP TO US
CODE for AMERICA



SKETCH CITY

@fileunderjeff

Open HOUSTON

STATION HOUSTON, TX

Text your zip code to +1-346-214-0739 to find the nearest Shelter

Harvey Needs

Forms | Resource Links | Houston Shelter Map | What is this?

HURRICANE HARVEY HOUSTON FLOOD EMERGENCY RESOURCES

If you need supplies or volunteer help, or if you would like to share information about a shelter, please fill out this form.

Shelter Availability and Volunteer Needs Form

HURRICANE HARVEY + NEEDS MATCH

Personally matching hurricane victims with donors and resources.

Select Language Powered by Google Translate

I Need Help | I Want To Help | SMS

We are very sorry for the loss you have experienced.

Below, please let us know your **immediate** needs and how we can help provide some relief. Please give as much information as possible. This helps us match you with assistance.

Tell us how we can help...

Be specific! Make sure to tell us if any of these apply:

- Do you need help in Spanish or another language?
- Do you need medical supplies (including glasses, contacts, medication, etc.)?
- Are you handicapped or are you caring for someone with special needs?
- Do you have dependents or require financial assistance?

Here's how to contact me...

Name (optional)

Email (optional)

Phone

Home Zip Code:

Current Zip Code:

Housing Situation: (optional)

e.g. at shelter / at home w flood damage / other

Submit

Volunteer HOUSTON

Harvey Volunteer Hours

Thank you for your service to the community.

We are tracking volunteer hours by location. Please enter each location where you volunteered, the number of hours you volunteered, and the date that you volunteered.

Name

First Last

Email

test@mailbox.com

Log

Note: If you worked in more than one location, or on more than one day - add information **per location** and **per day** by clicking, "Add More".

Location

e.g. George R. Brown

Address (optional)

Date

Start Time

End Time

Activities Performed

If you listed these hours on another organization's form, please list the organization name here

e.g. Salvation Army

☐ **I performed medical work at this location.**

Other specialized work?

e.g. Translator, legal

Does your house need mucking? Submit your location to our map:

Name

Phone Number

Address

Enter address here

Description

4-Digit PIN (please remember):

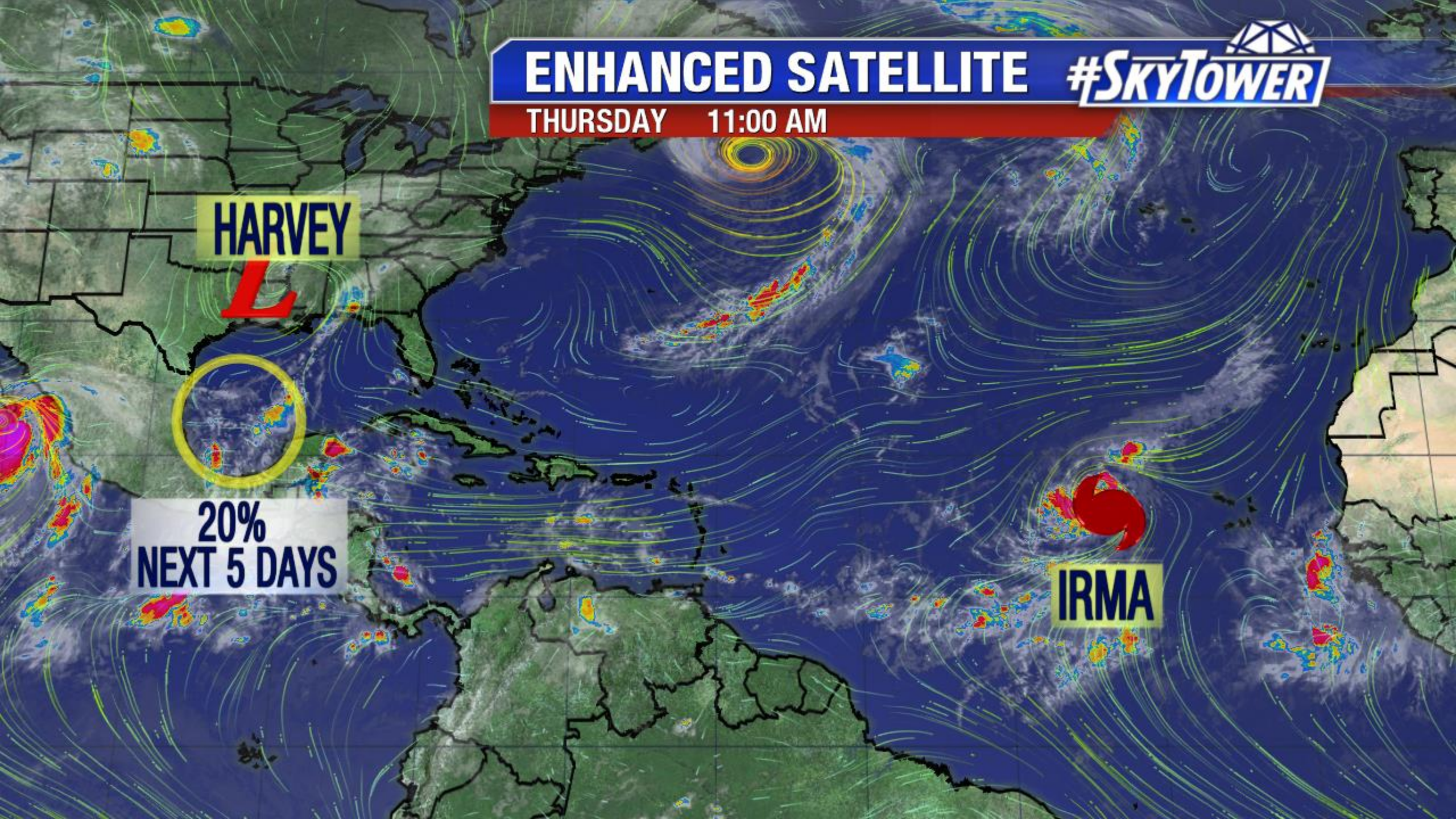
Submit

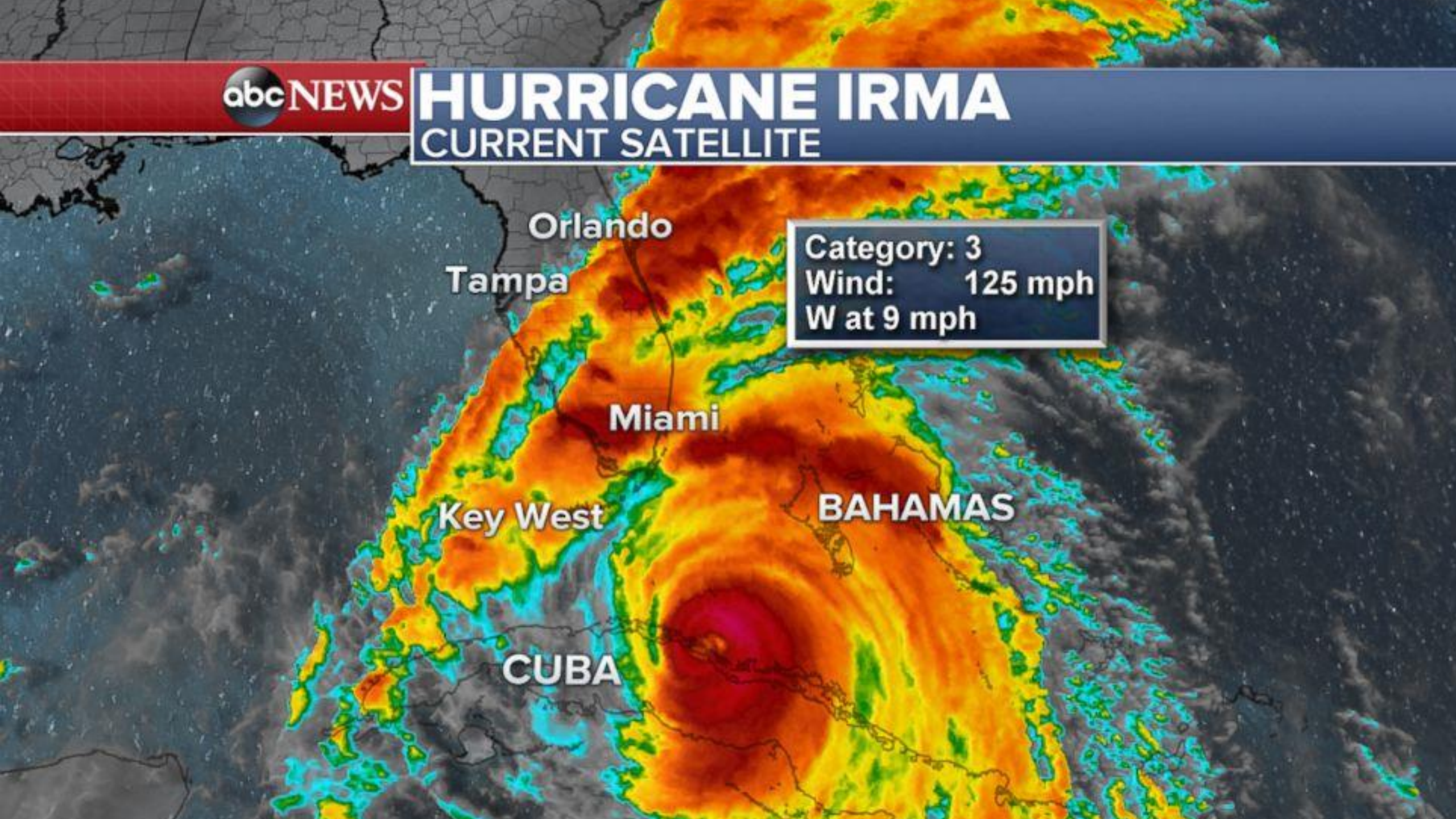
Go to map! -or- Go to top!

Are you a volunteer? Submit your location to our map:

Name

Phone Number


ENHANCED SATELLITE
#SKYTOWER
THURSDAY 11:00 AM
HARVEY
L
20%
NEXT 5 DAYS
IRMA


abc NEWS
HURRICANE IRMA
CURRENT SATELLITE
Orlando
Tampa
Category: 3
Wind: 125 mph
W at 9 mph
Miami
Key West
BAHAMAS
CUBA

This repository Search Pull requests Issues Marketplace Explore

sketch-city / harvey-api

Watch 9 Star 21 Fork 43

Code Issues 14 Pull requests 2 Projects 0 Wiki Insights

Harvey Needs API http://harveyneeds.org

300 commits 5 branches 0 releases 23 contributors GPL-3.0

Branch: master New pull request Create new file Upload files Find file Clone or download

jwo Merge pull request #130 from cmason/master ... Latest commit c35810b 15 days ago

app	Administration screens for flagged markers	16 days ago
bin	First commit, empty proj, with some light documentation	a month ago
config	Translated to spanish	15 days ago
db	Flag user generated content as inappropriate	16 days ago
lib	Indexes and etags	25 days ago
log	First commit, empty proj, with some light documentation	a month ago
public	Fix invalid parameter syntax	16 days ago
test	Administration screens for flagged markers	16 days ago
tmp	First commit, empty proj, with some light documentation	a month ago
vendor	First commit, empty proj, with some light documentation	a month ago
.env.sample	Add configuration and key for geocoding	a month ago
.gitignore	First commit, empty proj, with some light documentation	a month ago
.ruby-version	Specify ruby version	a month ago
.travis.yml	compound index, feedback	25 days ago
CODE_OF_CONDUCT.md	Remove last vestiges of google sheet. Add conduct and reorg readme a bit	a month ago
Gemfile	Create edit for pages and render markdown	a month ago
Gemfile.lock	Create edit for pages and render markdown	a month ago
LICENSE	Add software and content license	a month ago
Procfile	Remove sidekiq since we are not on it	a month ago
README.md	Merge branch 'master' into improve_readme	24 days ago
Rakefile	First commit, empty proj, with some light documentation	a month ago
config.ru	First commit, empty proj, with some light documentation	a month ago
package.json	First commit, empty proj, with some light documentation	a month ago

README.md

The Harvey Needs API

- We serve JSON data here, open and fresh
- We help client applications help those affeceted by Hurricane Harvey

Text "shelter" or "refugio" to 52886 to find a shelter
@IrmaResponse / Irma Response on Facebook

Call 3-1-1 for more information
Kreyòl / Español

HURRICANE IRMA RELIEF & RECOVERY

If you're a shelter and need supplies or volunteers, click below to let us know what you need.

To donate to victims of Hurricane Irma, click below to view Irma Shelters Map for items needed.

Please read our Open Letter to Puerto Rico and USVI on support for Hurricane Maria.

View Irma Shelters Map | Tell Us Your Supply Needs

IrmaShelters.org

Call for help: 2-1-1

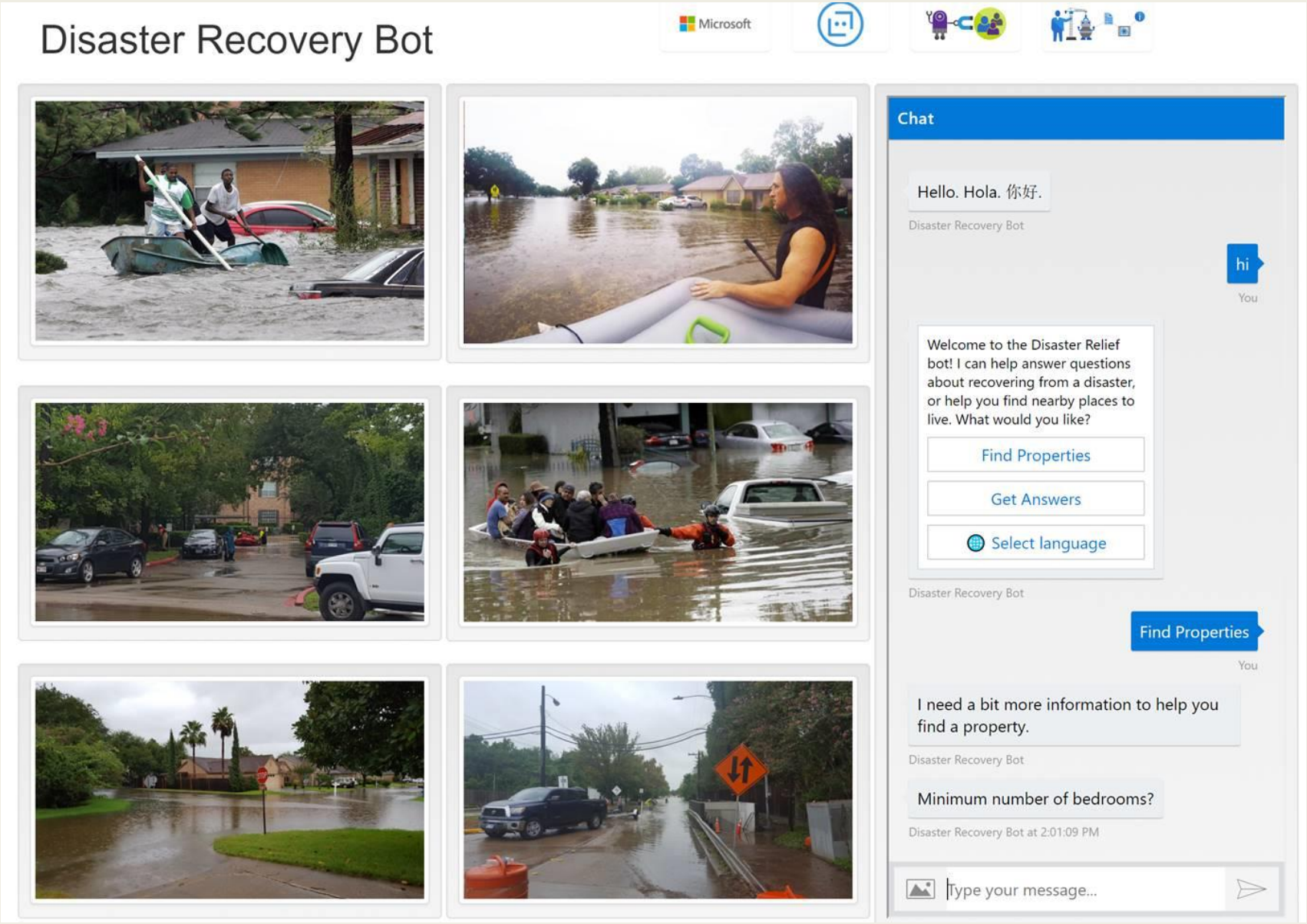
Find My Location

IRMA RESPONSE RESOURCES

San Jose Flood Bot

Azure

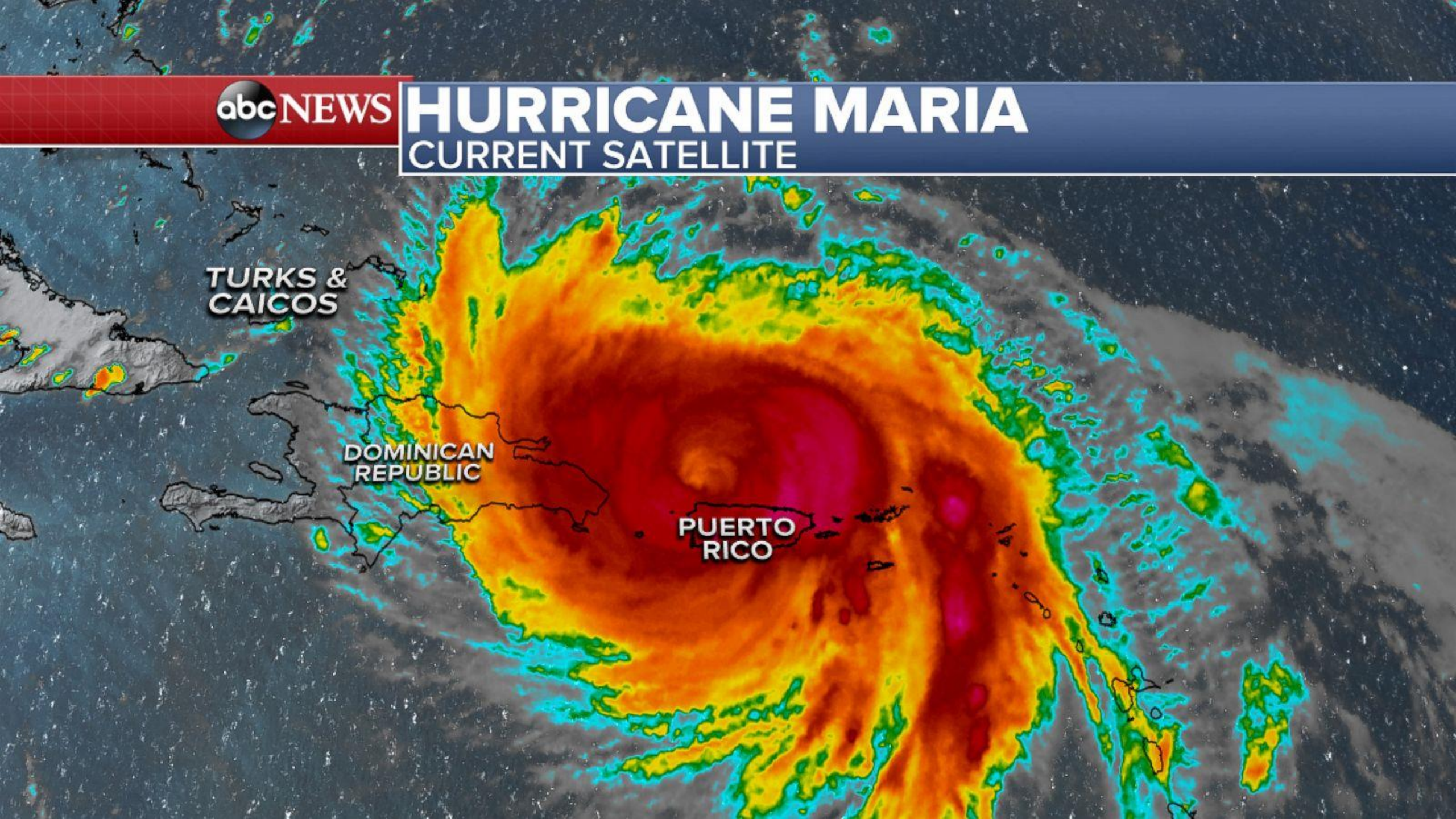
(February 2017)

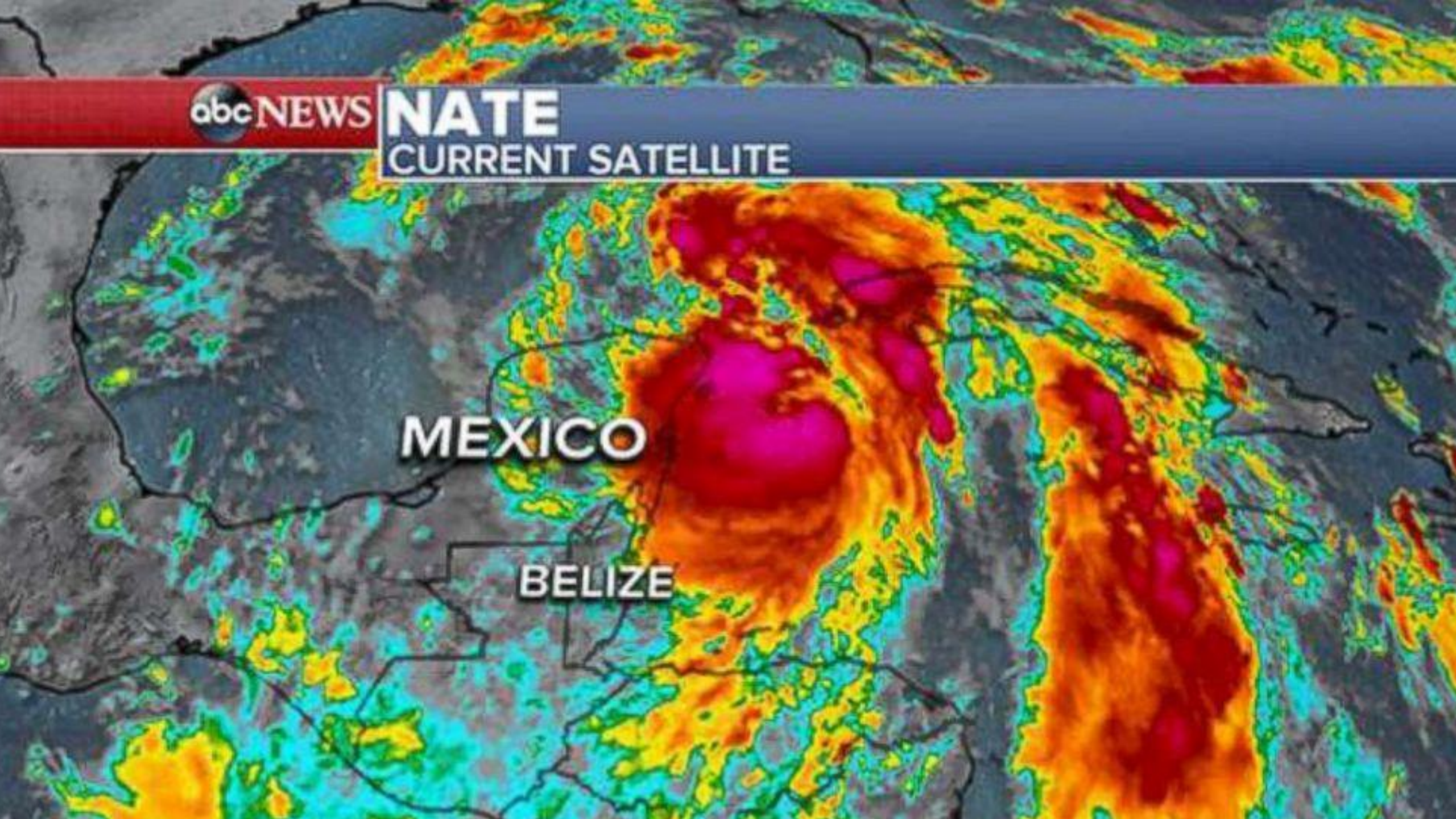


@pjdecarlo

http://drb-housingsearchbot.azurewebsites.net/

TROPICAL SATELLITE
AccuWeather
BERMUDA
HOUSTON
BAHAMAS
ATLANTIC OCEAN
TROPICAL STORM KATIA
WINDWARD ISLANDS
HURRICANE IRMA
TROPICAL STORM JOSE


abc NEWS
HURRICANE MARIA
CURRENT SATELLITE
TURKS & CAICOS
DOMINICAN REPUBLIC
PUERTO RICO


abc NEWS
NATE
CURRENT SATELLITE
MEXICO
BELIZE

“**Our planet is facing the greatest problems it's ever faced, ever.** So whatever you do, don't be bored, this is absolutely the most exciting time we could have possibly hoped to be alive.

And things are just starting.”

WHAT CAN A TECHNOLOGIST DO ABOUT CLIMATE CHANGE?

(A PERSONAL VIEW)

BRET VICTOR / NOVEMBER 2015

This started with a tweet. I'm embarrassed how often that happens.

Frustrated by a sense of global mispriorities, I blurted out some snarky and mildly regrettable tweets on the lack of attention to climate change in the tech industry (Twitter being a sublime medium for the snarky and regrettable). Climate change is the problem of our time, it's everyone's problem, and most of our problem-solvers are assuming that someone else will solve it.

I'm grateful to one problem-solver, who wrote to ask for specifics —

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Worrying about sentient AI as the ice caps melt is like standing on the tracks as the train rushes in, worrying about being hit by lightning

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If any "founders" out there want to "disrupt" our 401 ppm atmospheric CO2, or "moonshot" ocean acidification, that would be cool

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> *"How do you think the tech community (startup community, or any community) can contribute to tech and/or policy solutions on a global scale?"*

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“How do you think the tech community can contribute to **tech** and/or **policy** solutions on a **global scale**?”

RANDOM HACKS OF KINDNESS

TIME

POLICY

FUNDING

TIME

POLICY

FUNDING

DATA.GOV

data.texas.gov

OPEN DATA HOUSTON

NASA's Open Data Portal

Welcome to the USGS Geo Data Portal

The Geo Data Portal (GDP) provides access to numerous datasets, including gridded data for climate and land use. Datasets can be subsetted or sumarized before download using several algorithms, and these algorithms can also be applied to other datasets hosted elsewhere. Users can interact with the GDP through the tools listed below.

pyGDP

GDP web

geoknife

TIME

POLICY

FUNDING

Engineers who speak human.

TIME

POLICY

FUNDING

CODE for AMERICA

Data Science for Social Good

DataKind

DATA FOR DEMOCRACY

social coder

Apps for Development

A competition brought to you by THE WORLD BANK

UNIVERSITY of WASHINGTON eScience Institute

SOME IDEAS

Nick Farr
@Nickf4rr
Follow

Hardware Hackers: We need an open source kit to detect & locate people alive underneath up to 20m of rubble. This is kit only the pros have.

6:10 PM - 23 Sep 2017 from Cuauhtémoc, Distrito Federal

238 Retweets **224** Likes

Dipin Malla
@randomexpress
Follow

@GoogleCR We need an app with offline Geo tagging to record disaster area needing relief & where relief has been provided.#NepalQuakeRelief

4:33 PM - 28 Apr 2015

1 Retweet **1** Like

Billy Koch
@billy_koch
Follow

We need a better solution than the Walkie Talkie app for disasters. It doesn't help the deaf and hoh community. #deaf #harvey #disaster

10:02 AM - 29 Aug 2017

1 Like

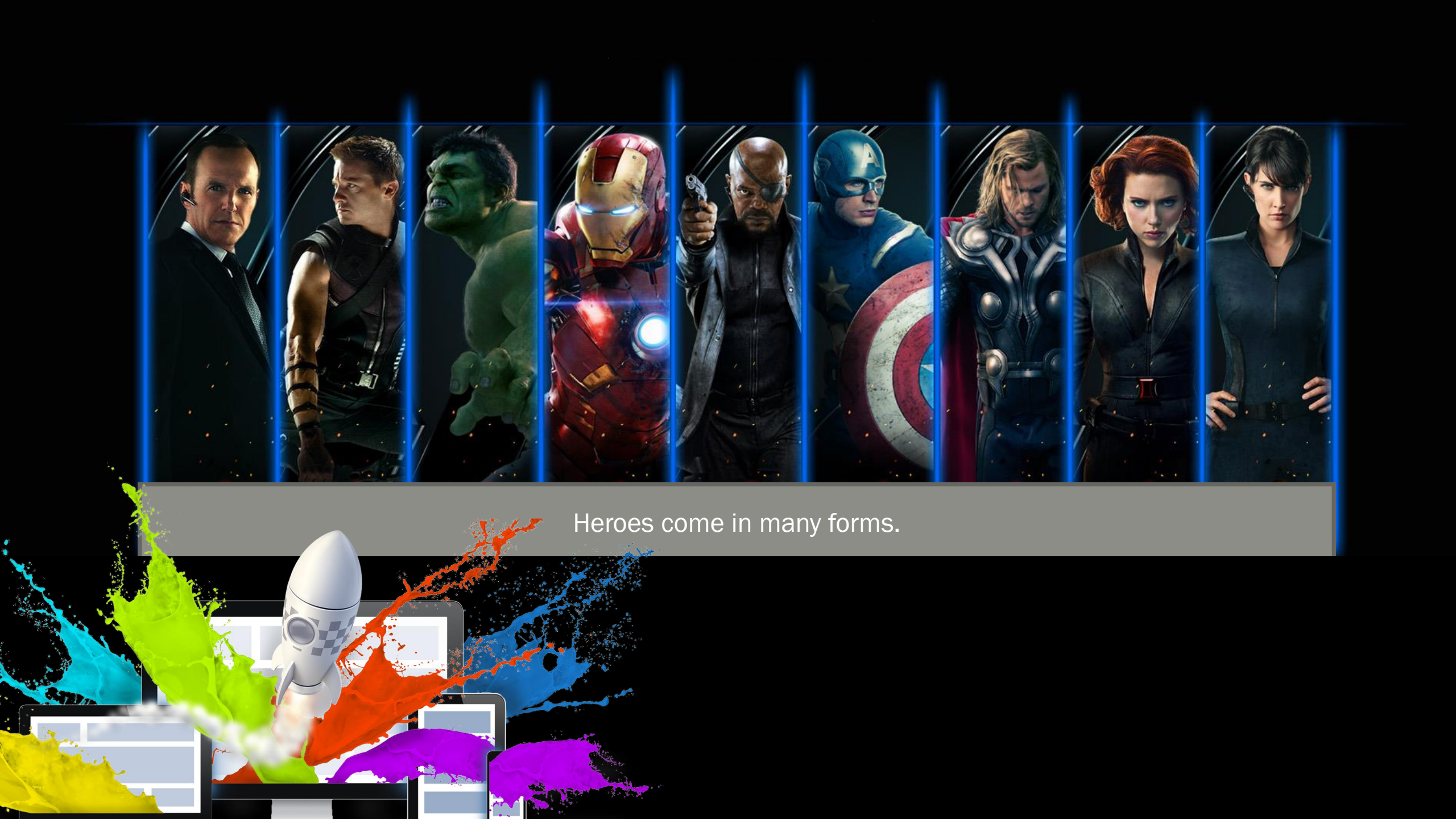
Jenn Ortiz
@BitsofBeauty
Follow

We need an app like GasBuddy for hurricane supplies. Does that exist?

3:40 PM - 7 Sep 2017

1 Like

Heroes come in many forms.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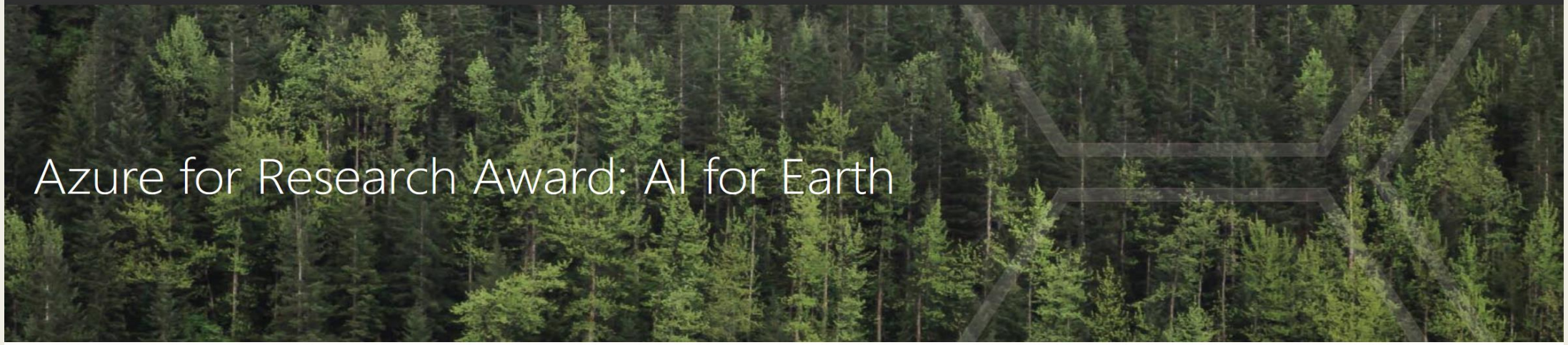
TIME

POLICY

FUNDING



Azure for Research Award: AI for Earth

Program details

Region: Worldwide

What it is

The Microsoft Azure for Research program awards cloud computing resources to researchers working on data-intensive projects, specifically Azure Analytics services.

Submit your proposal

1. Review the application instructions
2. Use the online application form (include "AI for Earth" first in the title)
3. Submit on or before **October 15, 2017**

Contact us

If you have questions about the awards program or the application process not answered in the FAQ, please email us at azurerfp@microsoft.com.

About Tools

In collaboration with Esri's outreach team, the Microsoft AI for Earth program awards advanced Microsoft Azure cloud computing resources and powerful Esri GIS tools to researchers working on environmental and conservation programs aimed towards transforming the way we are currently managing complex environmental challenges.

These awards are intended to drive exploration and discovery by providing innovative data science, spatial analysis, and visualization tools to organizations that are focused on finding solutions to climate change, loss of biodiversity, agricultural cost and yield, and increased water scarcity. Learn more about environmental sustainability at Microsoft.

Areas of focus

AI for Earth program activity is focused on four areas that are vital for building a sustainable future:

- **Agriculture:** To feed the world's rapidly growing population, farmers must produce more food, on less arable land and with lower environmental impact.
- **Water:** In the next two decades, demand for fresh water—for human consumption, agriculture, and hygiene—is predicted to dramatically outpace supply.
- **Biodiversity:** Species are going extinct beyond the natural rate by orders of magnitude, driving the decay of key ecosystem services, like pollination, that humans depend upon.
- **Climate change:** An increasingly variable climate—extreme weather events, rising sea levels, higher global temperatures, and increased ocean acidity—threaten human health, infrastructure, and the natural systems we rely on for life itself.

Application instructions

The Nature Conservancy

Detecting Coral Reefs and Scuba Diving Imagery

Background

This proof of concept will be focused on detecting corals, scuba diving equipment, and other reef-related images located in user-defined geospatial locations. We will also explore a potential edge case with skydiving, as colors and gear visually is similar to scuba diving.

First Image: Coral Reef

Our first image is very obviously a photo of a coral reef with wildlife and fish; the keyword `reef` is included in the JSON response that we obtain from Cognitive Services. To extract similar images from your corpus of files, you would first filter by geospatial location and then search for `reef` in Cognitive Services JSON responses.

In [7]:
```
# Define the Subscription key for making API calls.
secret = 'INSERT YOUR API KEY HERE'
```

In [14]:
```
# Import required libraries for request headers and json extraction.
import http.client, urllib.request, urllib.parse, urllib.error, base64, json
```

http://aka.ms/save_the_world

Thanks!

http://aka.ms/save_the_world

@DynamicWebPaige

Getting Started

"The goal of our efforts is to see governments [and] nonprofits use data to improve what they do," said DSSG Director Rayid Ghani at the group's annual conference in Chicago last month. "Data is not going to give them all the answers, but it will help them improve."

- Sketch City Harvey API GitHub Repo
- Code for America
- Data Science for Social Good Conference
- SumAll
- UN Global Pulse Challenges
- DataKind
- Social Coder
- eScience Institute
- Data4Democracy
- Apps for Development
- Random Hacks of Kindness
- KDD Cup
- AI for Earth – Climate Data Grant