

Where is in the World?

MetaCTF 2021

The Problem:

I must say, every time I see one of these directional signs, I think I've got to make this into a CTF problem. It's the idea of Open Source Intelligence (OSINT) or Geospatial Intelligence (GEOINT). The idea of being able to take an image and use all of the clues within it to infer details such as where it's at or what's happening in the photo.

Here is one such picture of those signs. Your goal? Use those little details to find the name of the marina it's at which you'll submit for the flag (so MetaCTF{name of marina})

The Solve:

Hint picture was that:



We read datas from the arrows.

About the City names we can know, the pole stands somewhere in USA (or North-America).

Watch the picture right bottom corner, two masts.

So the question of the task can be sure, it is a port.



Let's look at the numbers. The unit of distance is important, M is miles.

I was looking for an online map to draw circles showing distances.

<https://www.calcmaps.com/map-radius/>

Data selection method:

- short distances
- opposite arrow directions

Data I used:



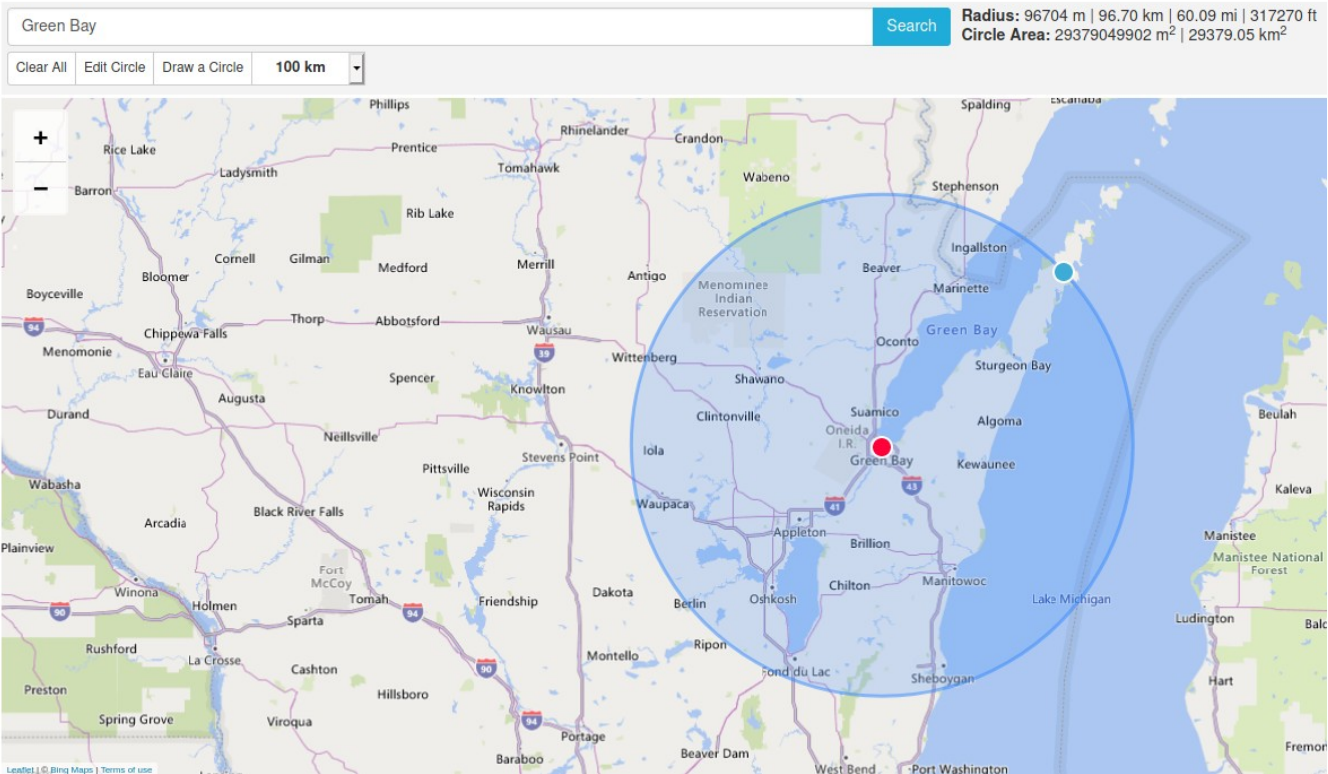
Green Bay - 60M ~ 100km
Sturgeon Bay - 20M ~ 30km
Gills Rock - 19M ~ 30km



The measurement:

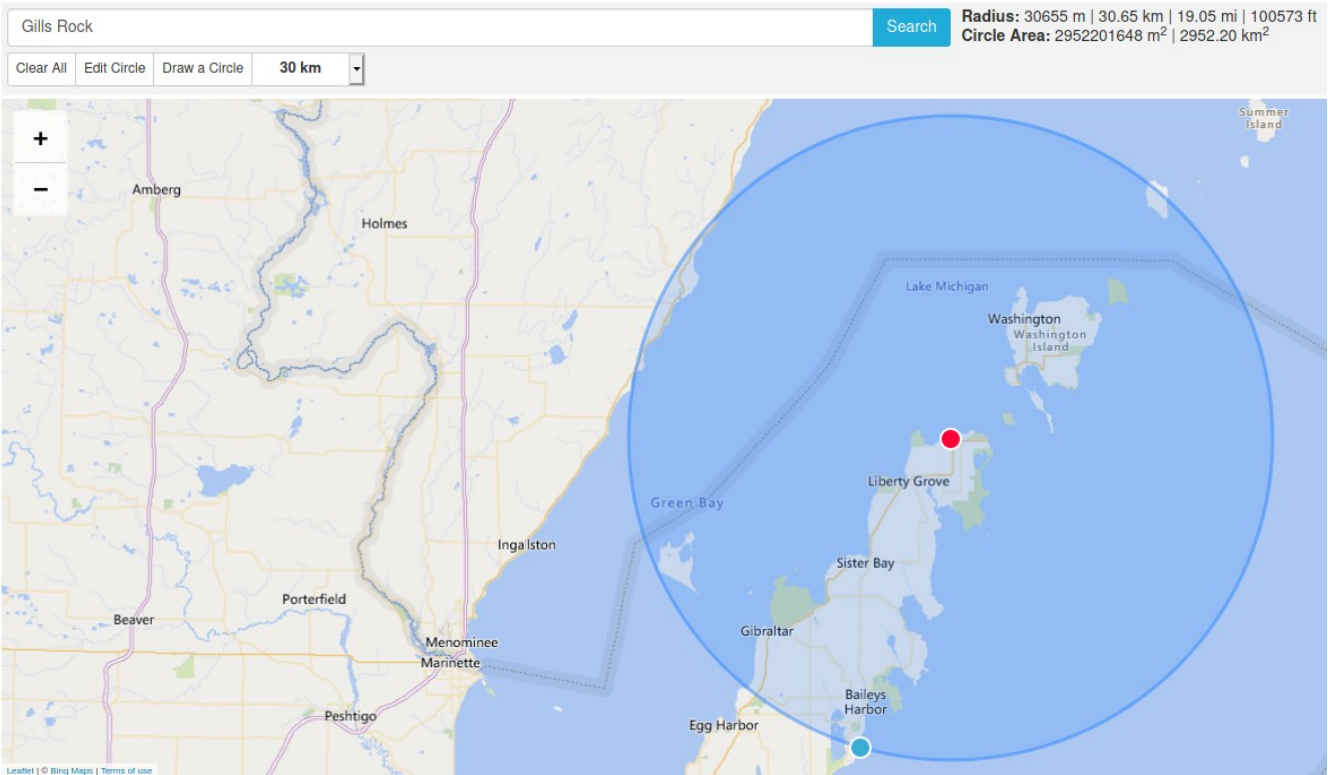
First time large scale. Possible points N and E (2x).

MAP RADIUS CALCULATOR

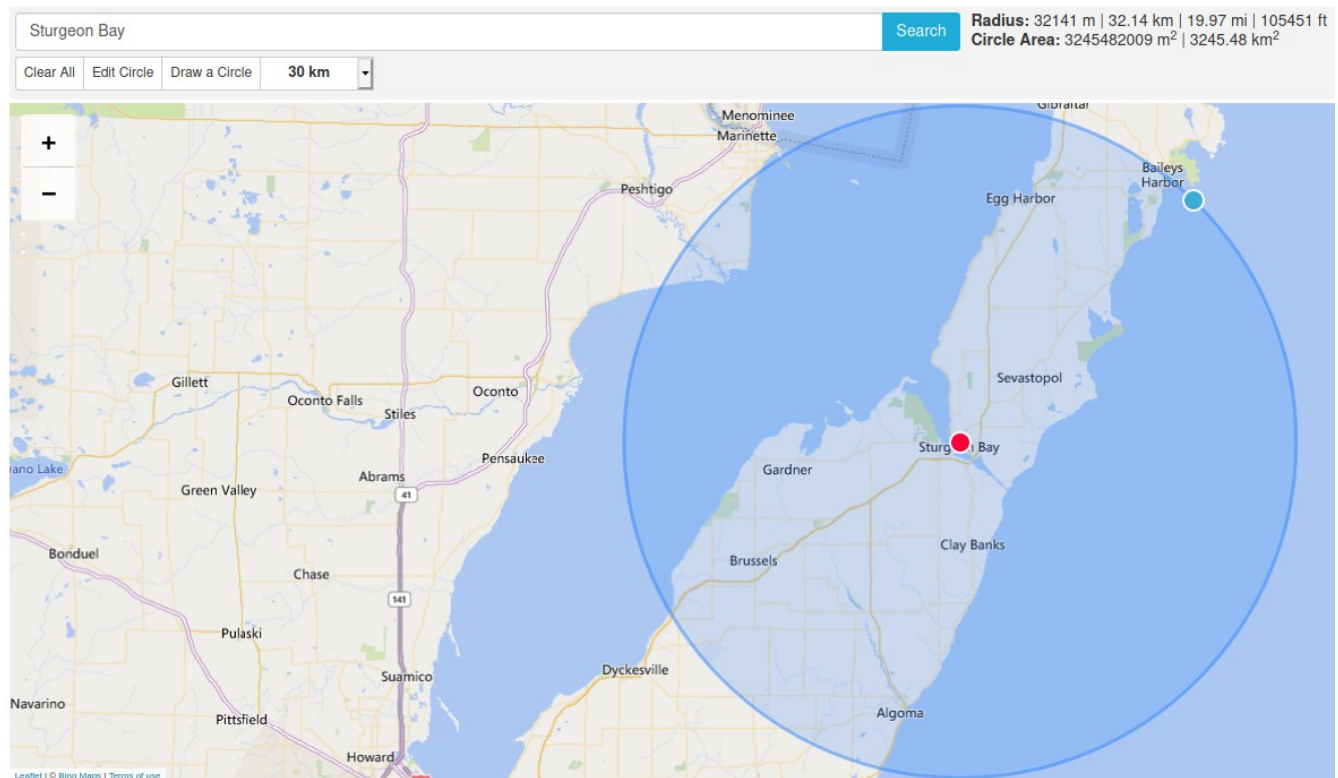


Approximation with the 2 closer data.

MAP RADIUS CALCULATOR

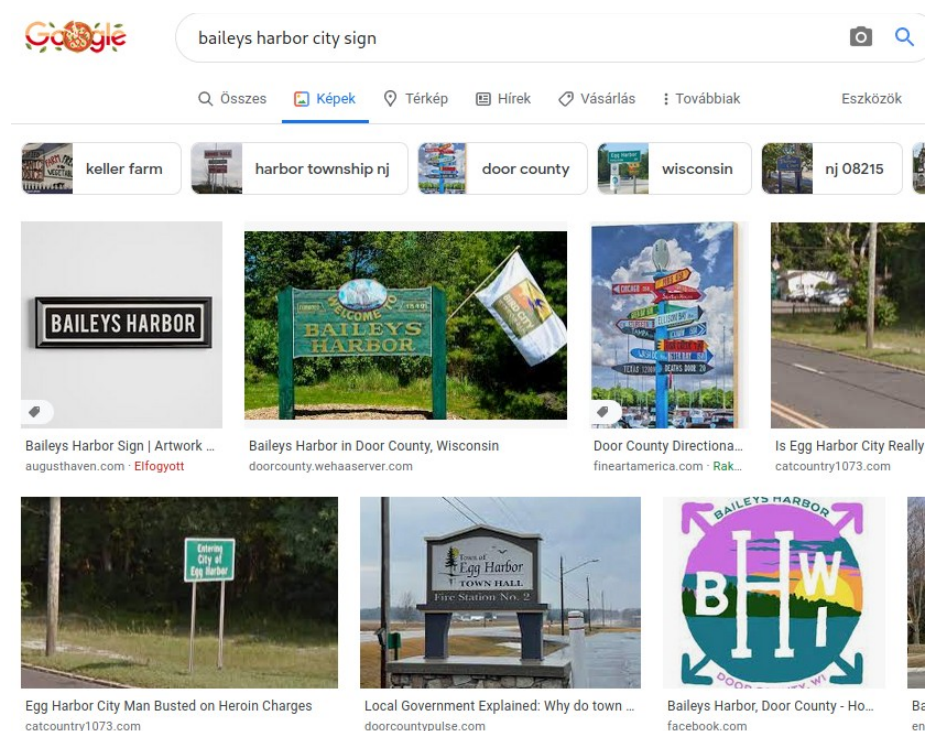


MAP RADIUS CALCULATOR



Due to the opposite direction, the intersection points mark the target area, candidate: **Baileys Harbor**

Do a picture search:
'baileys harbor city sign'



Click for the 3rd link:



< PREV | NEXT >

19 33

Door County Directional Sign in Egg Harbor Wood Print



by Christopher Arndt

\$66.00

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Wood Print

PRINT SIZE

8.5" x 12"

SHAPE

Natural

PRODUCT DETAILS

Door County Directional Sign in Egg Harbor wood print by Christopher Arndt. Bring your artwork to life with the texture and added depth of a wood print. Your image gets printed directly onto a sheet of 3/4" thick maple wood. There are D-clips on the back of

Ooops, another city name, new candidate: **Egg Harbor**

Let's go to Egg Harbor port for proof... virtually...

A scenic view of a marina with numerous sailboats docked. In the foreground, a wooden dock features a decorative arrangement of pumpkins and hay bales. A tall, blue pole with many directional signs pointing to various cities like Chicago, Aspen, and Aspen is the central focus. The sky is filled with large, white clouds.

