

TYPUS DE INTEGRO IN PLURIMIS EMENDATUS, AUCTUS, ET ICUNCULI



# Nuts and Bolts of GIS: An Artistic Way to Map

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# Hello! My name is Woody.....

## PROFESSIONAL:

- ❖ 20 years practical experience of applying GIS to everyday issues.
- ❖ GISP (Geographic Information System Professional) Certification
- ❖ EA (Enterprise Architecture) Certification
- ❖ GIS/IT Project Developer for the Davey Resource Group, Inc.

## EDUCATION:

- ❖ BA in Art, Kent State University, Kent, Ohio
- ❖ BA in Military History, University of Akron, Akron, Ohio
- ❖ MS in Geography/GIS -University of Akron, Akron, Ohio
- ❖ Masters in Digital Science (Enterprise Architecture)-Kent State University, Kent, Ohio

## PERSONAL:

Scuba Diver

Beekeeper (Yes, I deal with over 400,000 bees and sell honey!)

## NOTE:

*10 years USNR Seabees (EO1 – Navy training instructor)*

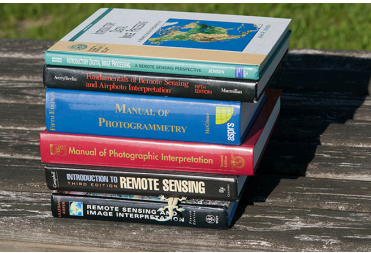


# Three Things

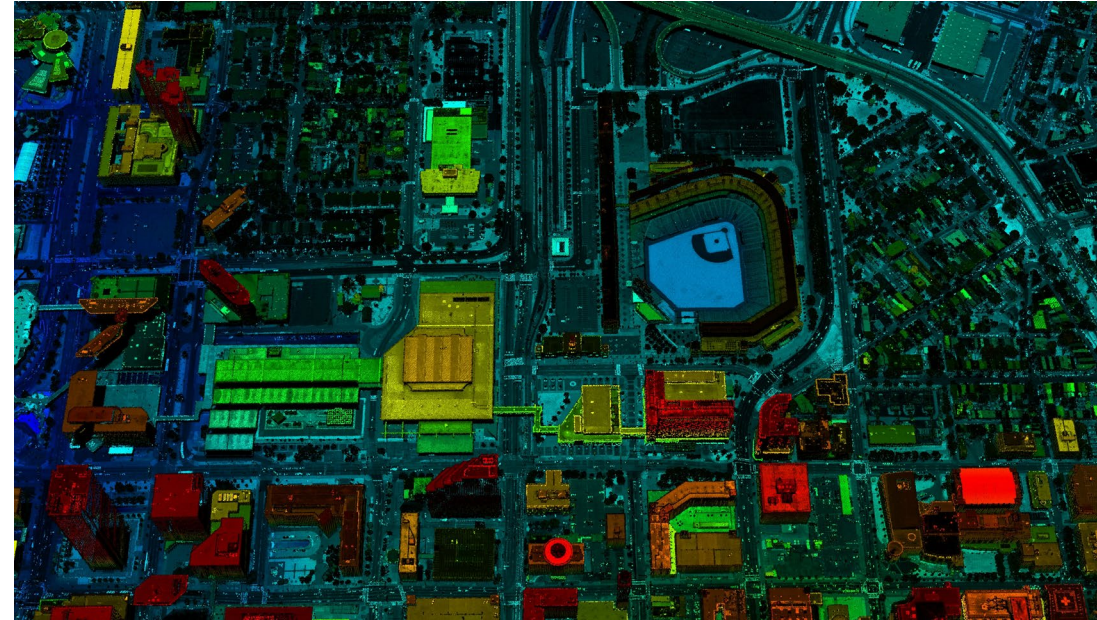
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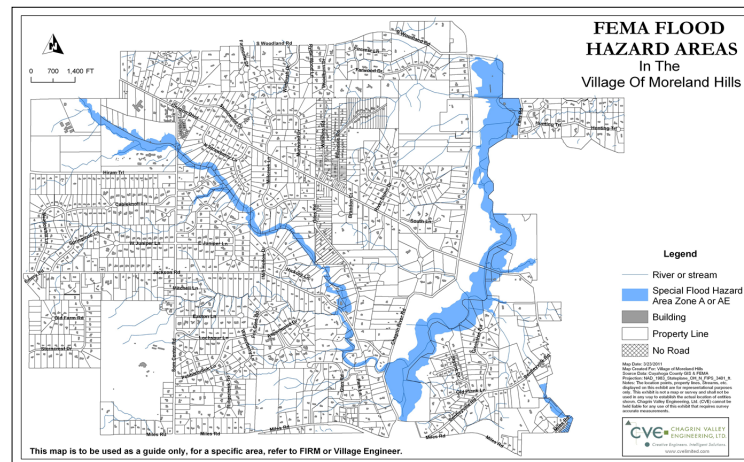
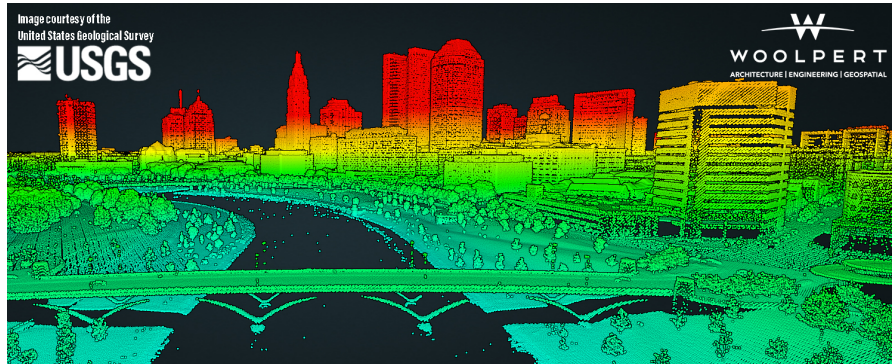
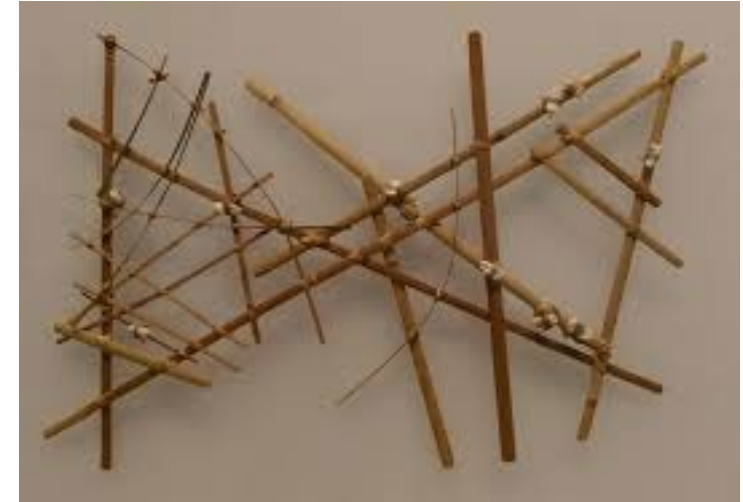
Photography to Photogrammetry



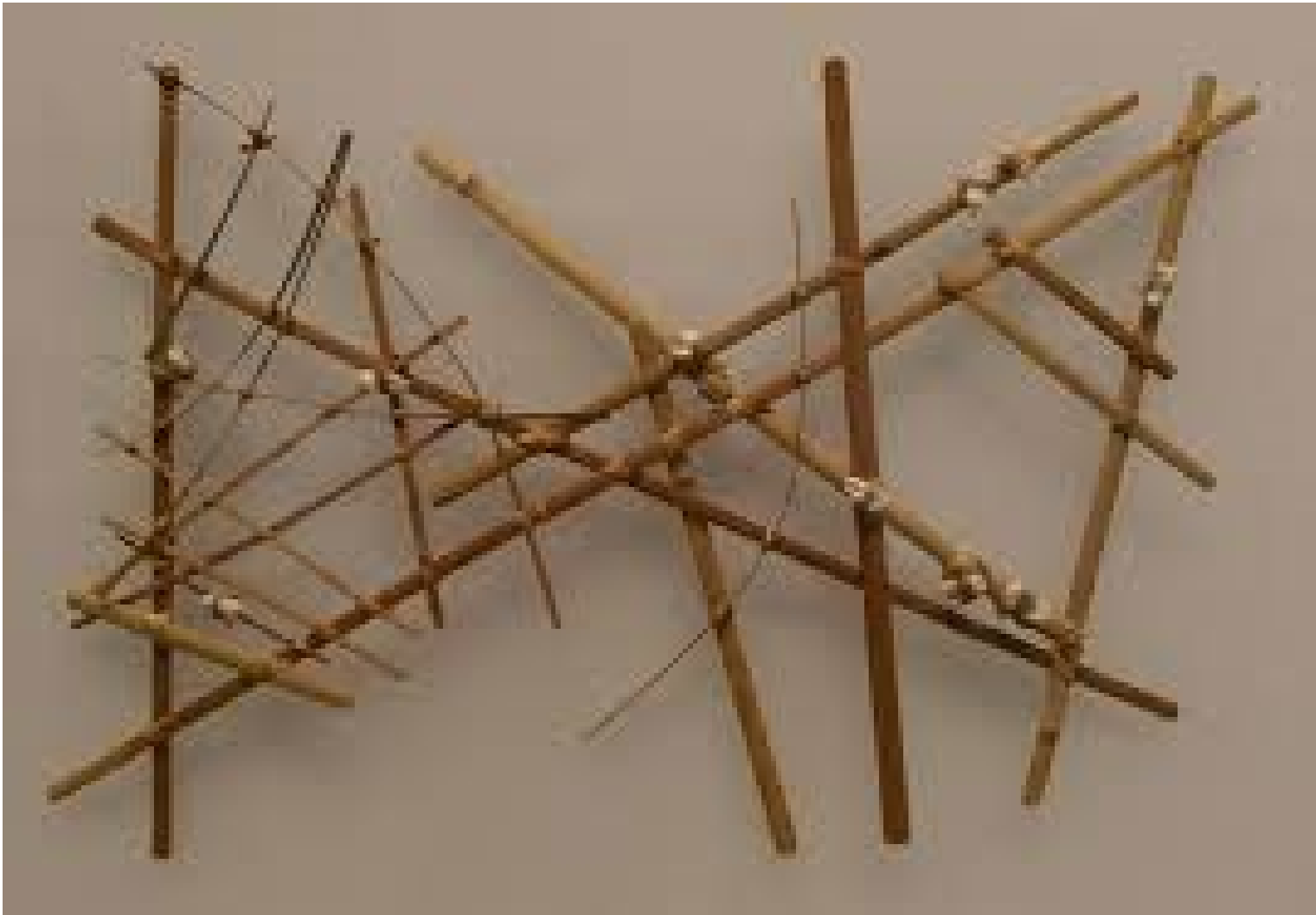
Spatial



# What is the main function of a map?



# Maps Communicate ideas & Info!



This is an ocean chart from the Marshall Islands. The sticks represent waves, swells, and currents. While stones and shells are islands and reefs

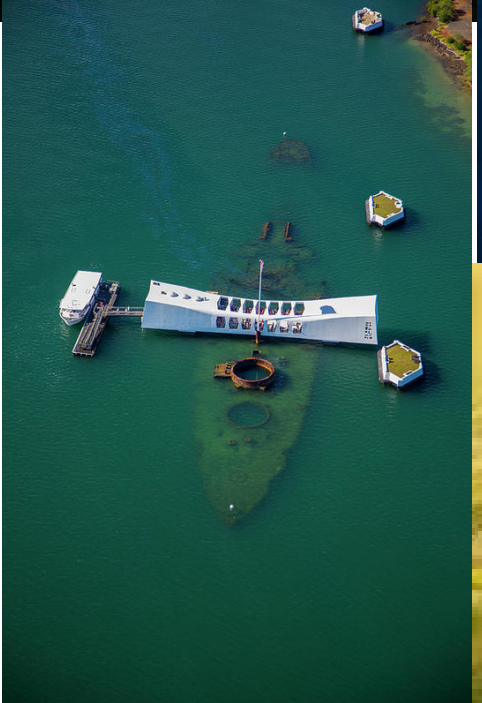
# Ok, so sticks & shells don't help us!

What does help people communicate ideas and information?

Here is a hint.....

\_\_\_\_\_ is worth 1,000 words

is worth 1,000 words!



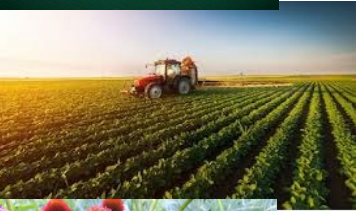
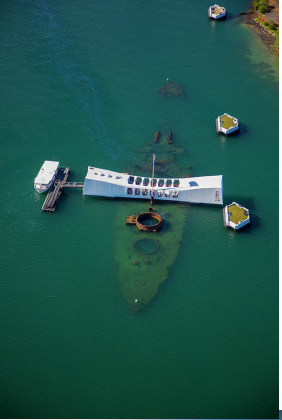
# People, are visual creatures.

The eyes, provide the brain a series of images. Essentially, you “see” and experience a living movie, every moment of the day that you are awake.

Images are one of the key elements that help us understand the world.

The proper image can help a map convey a message quicker and more efficiently to the map user.

So why do we not use them in maps?





# POP QUIZ!

Can someone please define cartography?

Are GIS Professionals cartographers?

Are GIS Professionals artists?

# Visual communication (Graphic Design)

Visual communication (graphic design) is concerned about the most efficient way to use space, text, and illustration for delivering a message.

Do GIS Professionals have the same concerns when creating our maps?

What items do GIS Professionals consider when performing map layout?

# Old school cartographers: artists, craftsmen, geographers, and explorers.



Theodor de Bry (1528-1598) was a prominent Flemish engraver and publisher best known for his engravings of the New World. (The de Brys were a family of jewelers and engravers, and young Theodor was trained in those artisanal trades.)

The map is based upon charts drawn by Giralomo Benzoni, who explored the New World between 1541 and 1556.

The map is a remarkable blend of important early cartographic information in the age of discovery and the finest decorative engraving of the period.

Includes numerous sea monsters, sailing ships, a compass rose and decorative cartouche.

[https://www.raremaps.com/category/Maps/Caribbean & Central America/Caribbean](https://www.raremaps.com/category/Maps/Caribbean%20&%20Central%20America/Caribbean)

Current value: \$7,500.00

Reference: Burden 83; Potter p.164.

# Can your map stand the test of time?

Creating a true piece of artwork is not easy!

- \* requires time
- \* careful consideration
- \* skill
- \* craftsmanship

The return on investment for taking the time to create artistic maps is

- \* communication
- \* higher value of the map
- \* professionalism
- \* respect
- \* pride in self and map



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Thank you for attending this presentation!

Do you have any questions?