



MapTime Madison

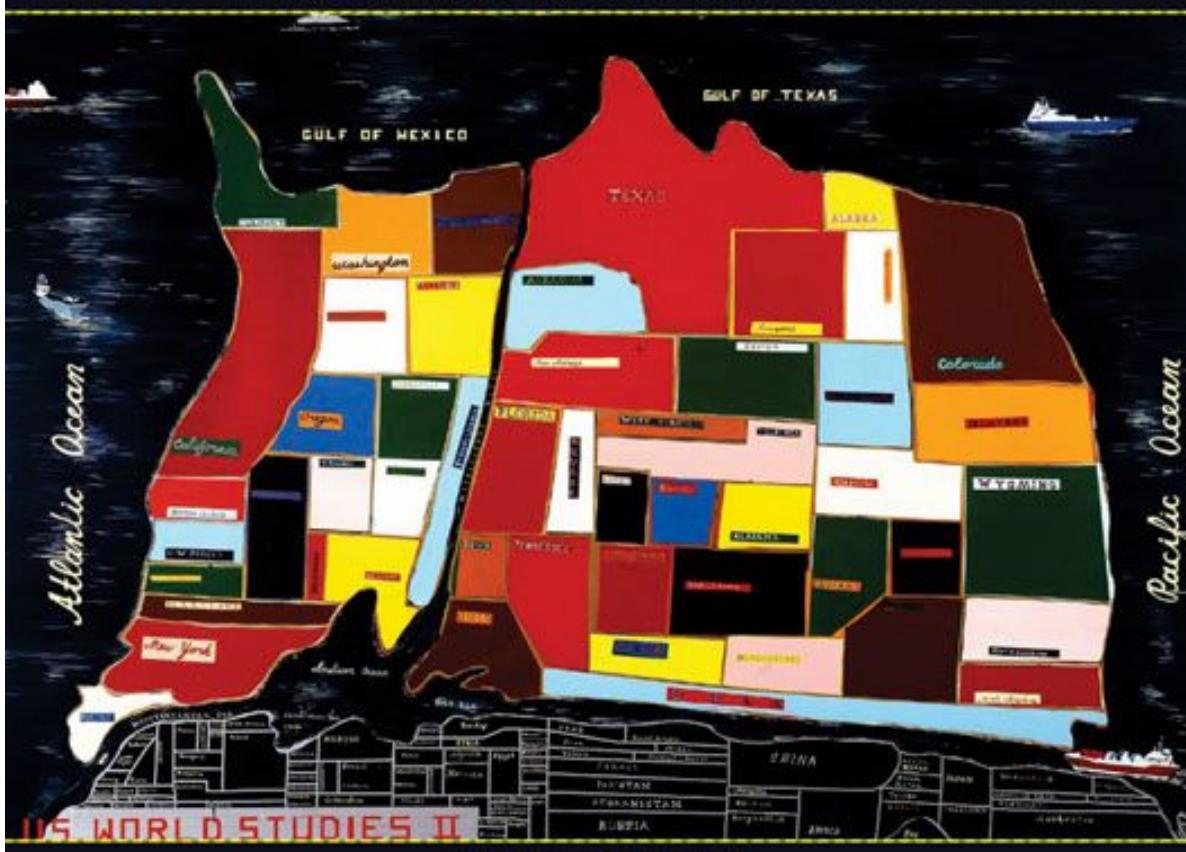
October 2016

Caroline Rose | @cmrRose | cmr.rose@gmail.com

I

THE MAP AS ART

CONTEMPORARY ARTISTS EXPLORE CARTOGRAPHY



KATHARINE HARMON

Author of *You Are Here*

With essays by GAYLE CLEMANS



NORIKO AMBE

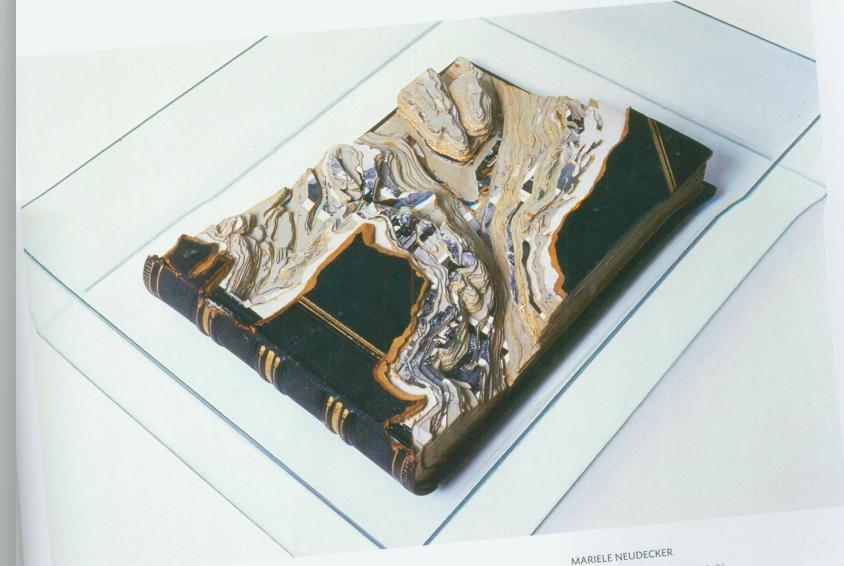
► *Flat File Globe Red Tank A*, 2007

Cut Yupo paper, metal cabinet, and Plexiglas
13 x 11 x 16 in.

▲ *Flat File Globe 3B, Red Version*, 2007 (detail)

Cut Yupo paper, metal cabinet
37 x 14 x 18 in.

Ambe, like Yuki Nakamura, is a Japanese-born artist living in the United States. Of her sculptural work she says, "I want to attain something subtle." Ambe cuts into paper to create negative forms representing herself, with undulating lines tracing her actions against streams of time. Subtle, natural distortions in the layers of paper convey the nuances of emotions, habits, and biorhythms.



MARIELE NEUDECKER

The Air We Breathe Is Invisible, 1992–96
..... olive, carved map of the English Channel, and glass



MAYA LIN

Caspian Sea, 2006
Three works from the series *Bodies of Water*:

in the world: the Caspian, Black, and Red seas. Lin once again, Lin has tweaked our point of view. Water is not just a liquid, it can be flat, yes, but we

in the world: the Caspian, Black, and Red seas. Lin has said, "I cannot remember a time when I was not



Glacier National Park and Vicinity
Glacier National Park
National Park Service
Produced by the G.I. Forum

In July 1937 this map was on display in the Glacier National Park Lodge. It was part of a national tour of the park's topographic maps. This particular map was one of the first to be produced by the G.I. Forum, a group of World War II veterans who had been trained in map reading and map making while serving in the military. They used it to help them navigate through the rugged terrain of the park. The map shows the park's boundaries, major rivers, lakes, and mountains. It also includes information about the park's history, flora, and fauna. This map is a great example of how veterans used their skills and knowledge to help protect and preserve one of America's most beautiful natural treasures.





Marta Gomez | artist's book



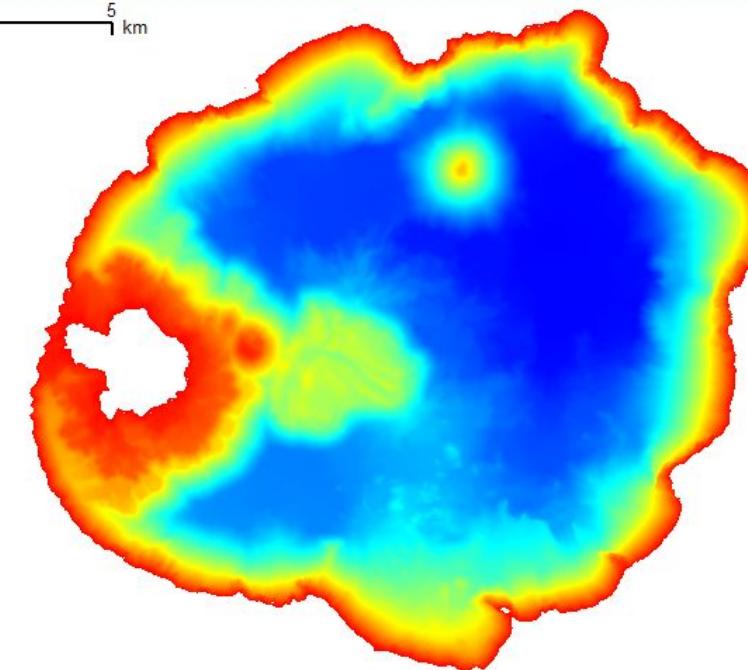
File Edit View Layer Settings Plugins Database Vector Raster Help



Layers

bathy_nad27

0 5 km



© QGIS 2013



Coordinate:

578839,4754528

Scale

1:66619



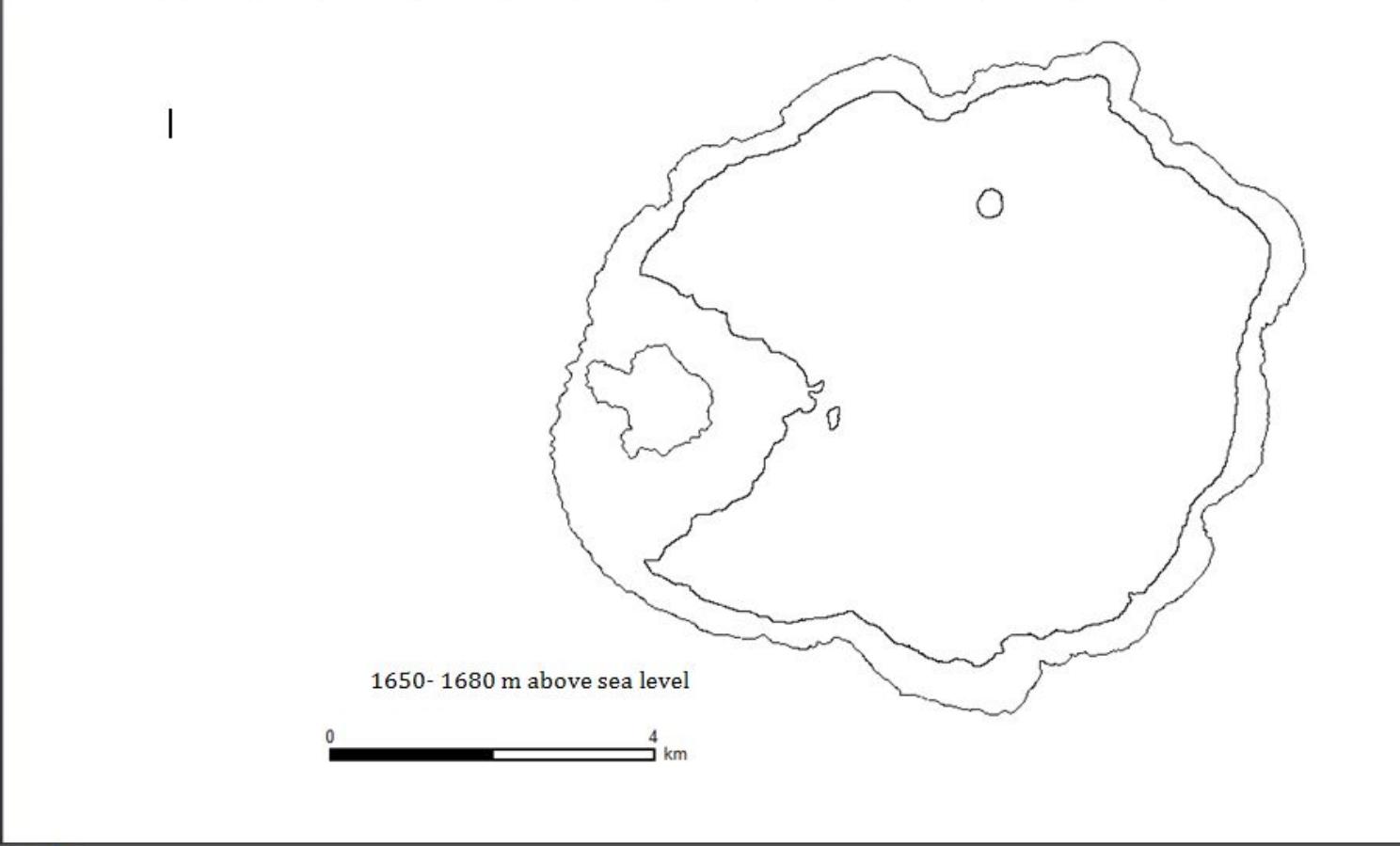
Render

EPSG:4326



11:53 AM
8/25/2013

1 2 3 4 5 6 7





Chris Cantey

@ChrisCantey



Following

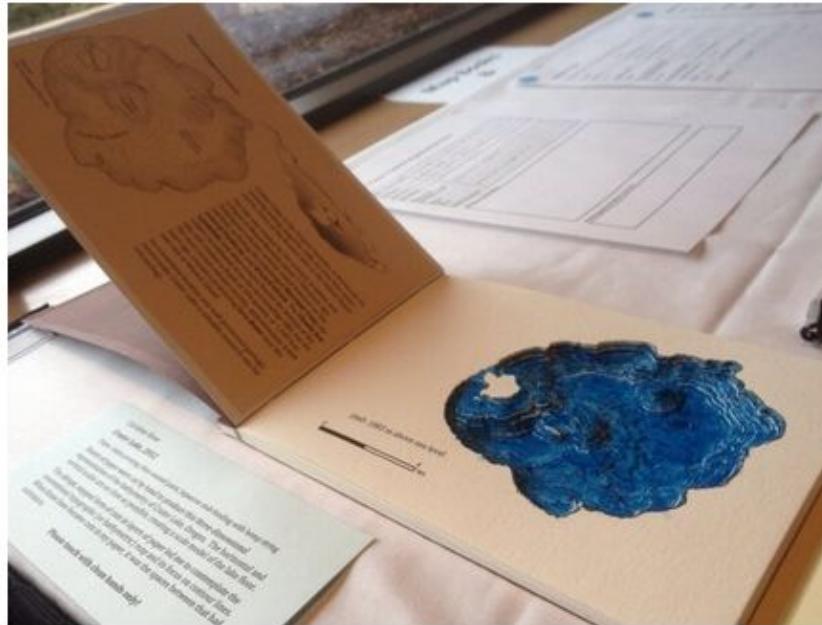
Amazing map/art book by @cmrRose
#UWcart #WLIA pic.twitter.com/Rf2XAkfi

Reply

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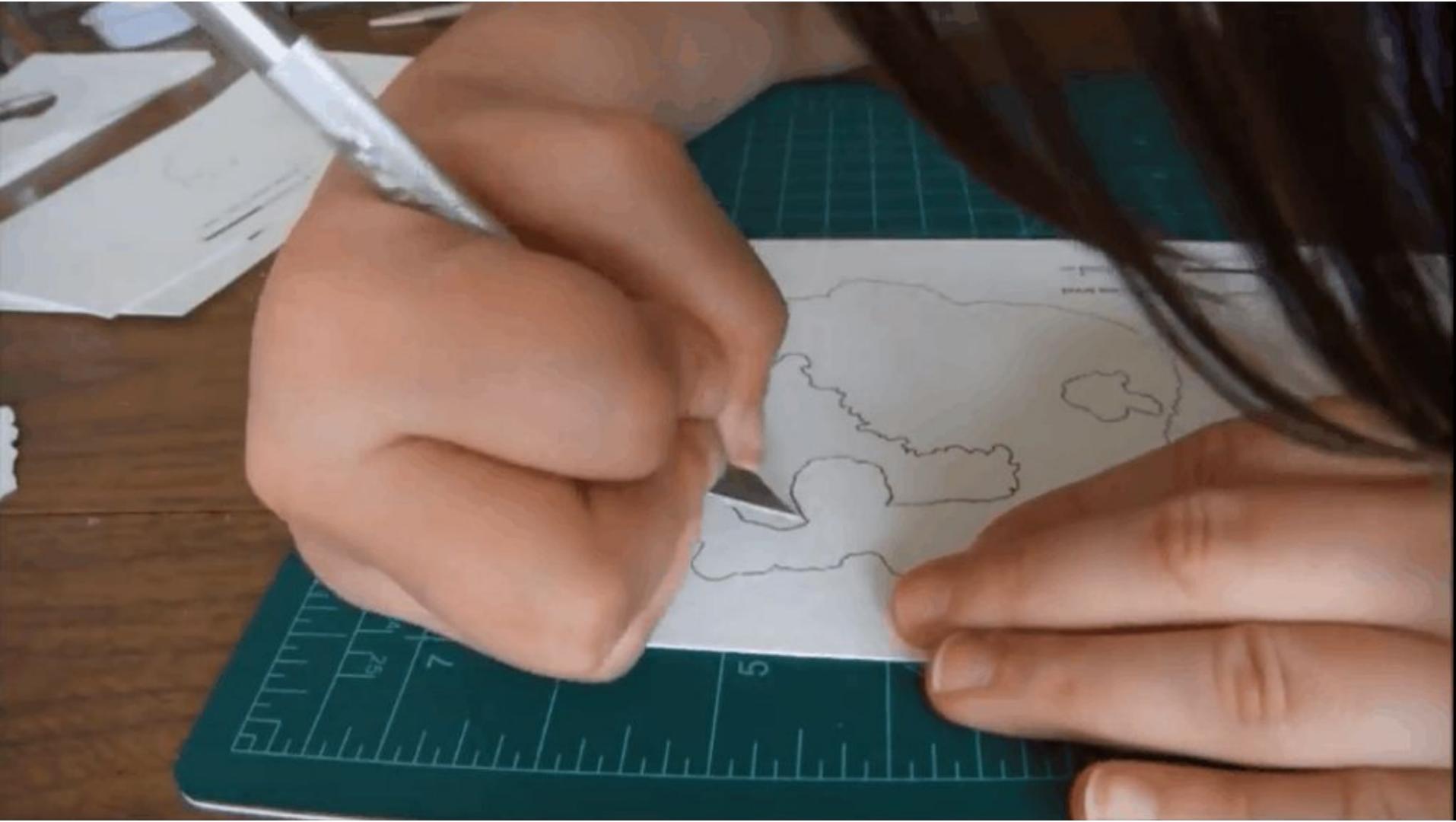
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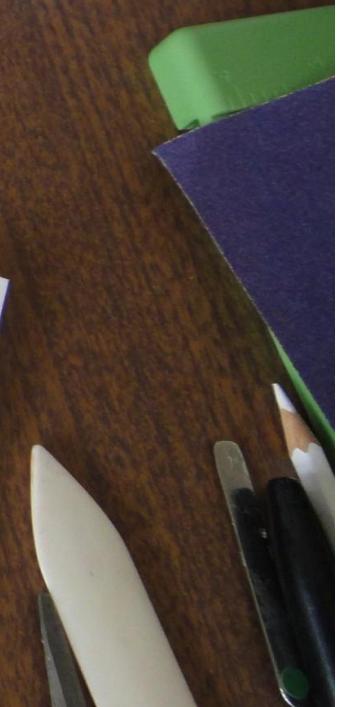
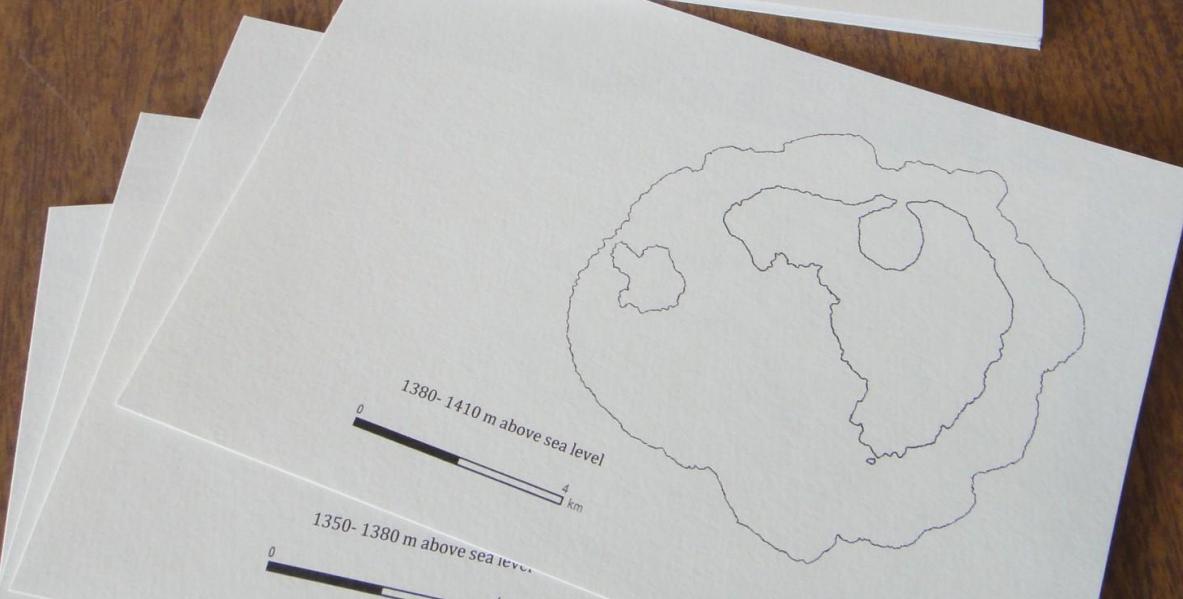
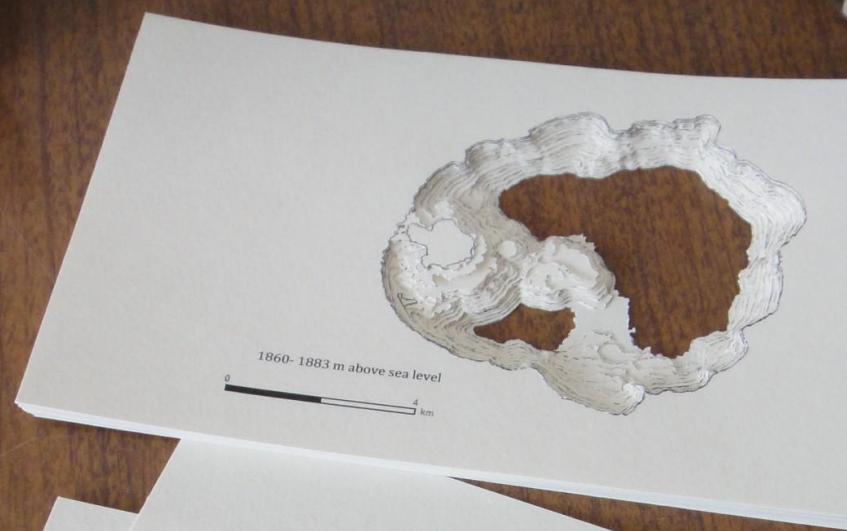
RETWEETS

2

FAVORITES





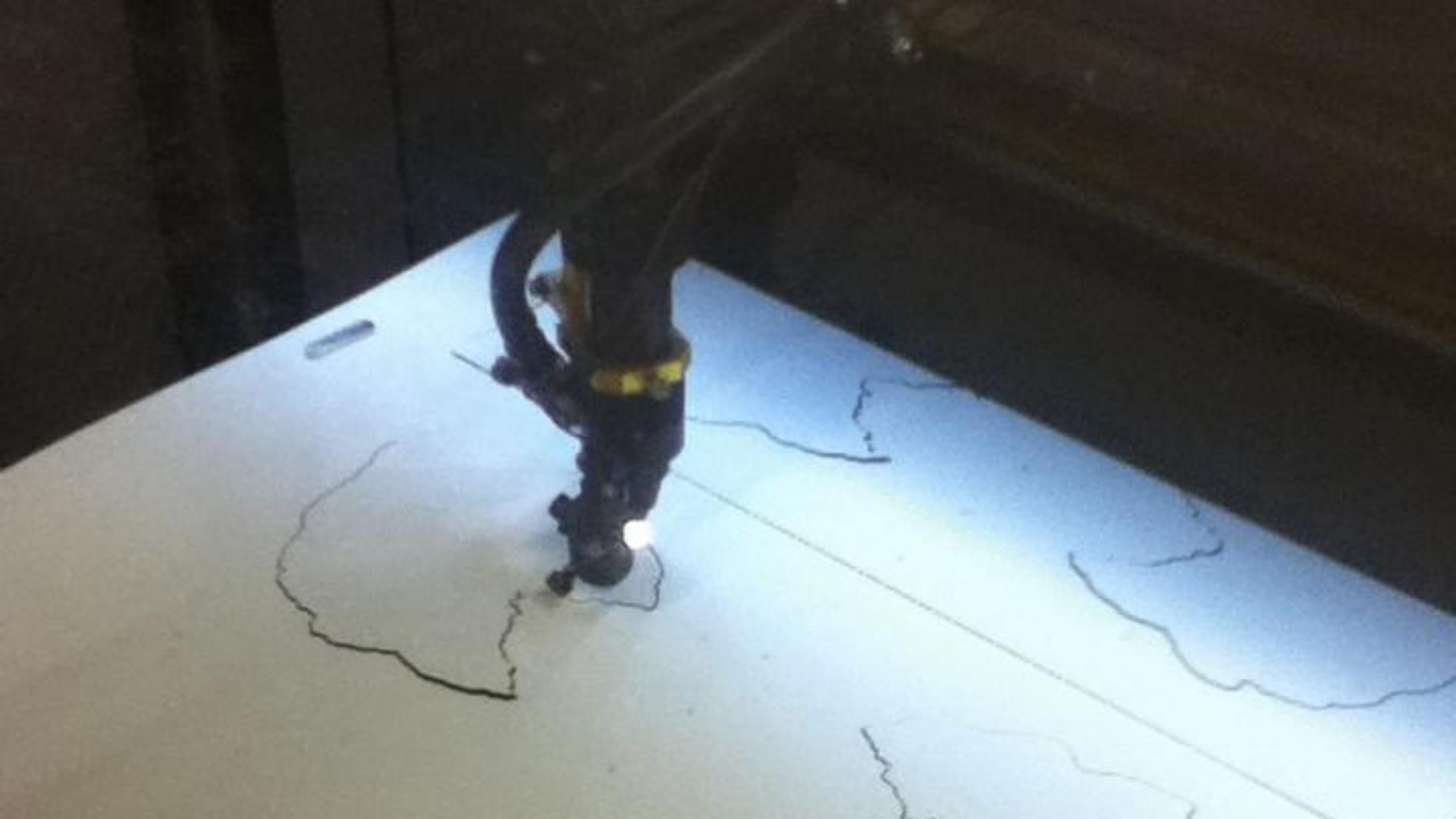


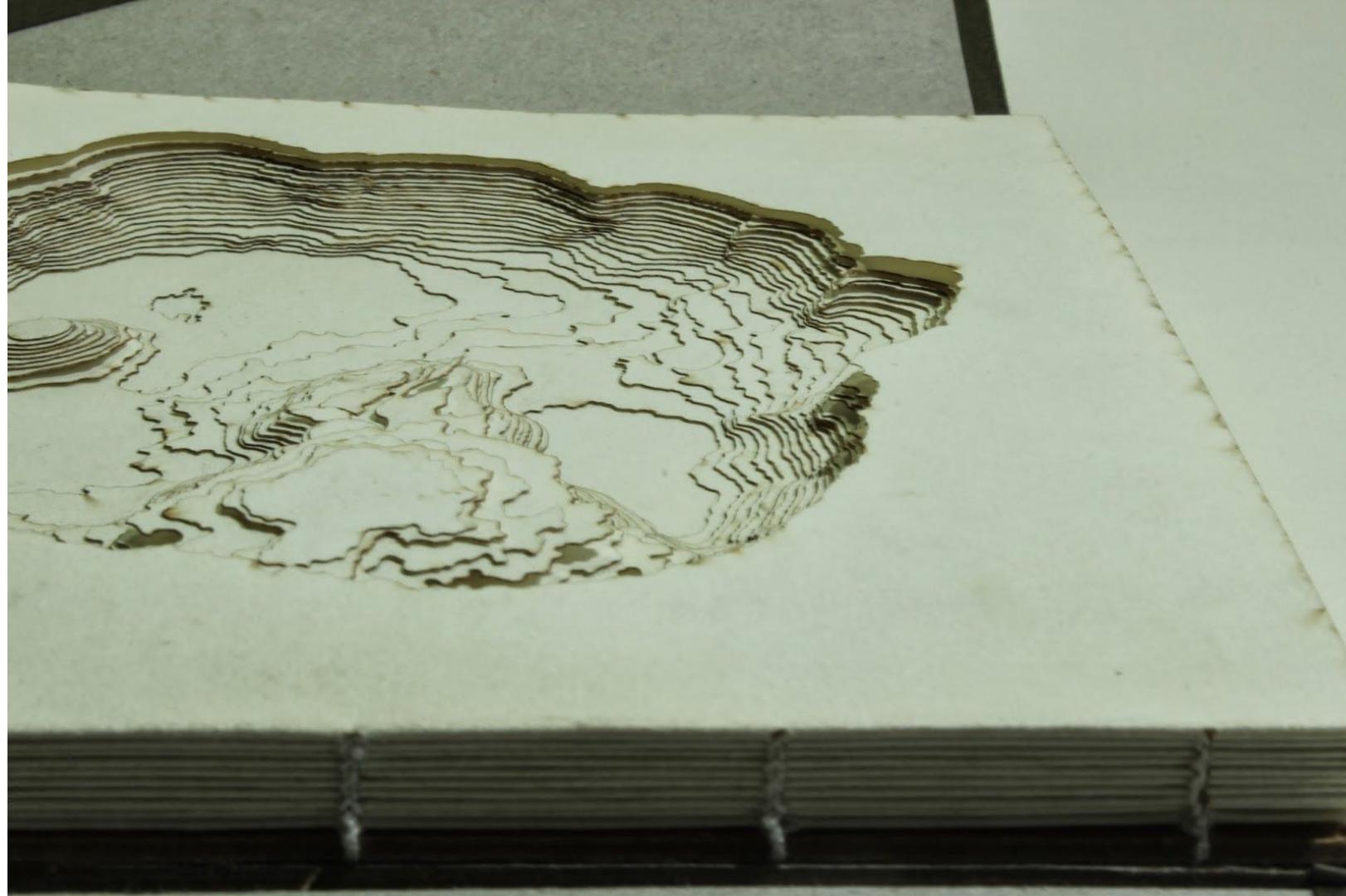


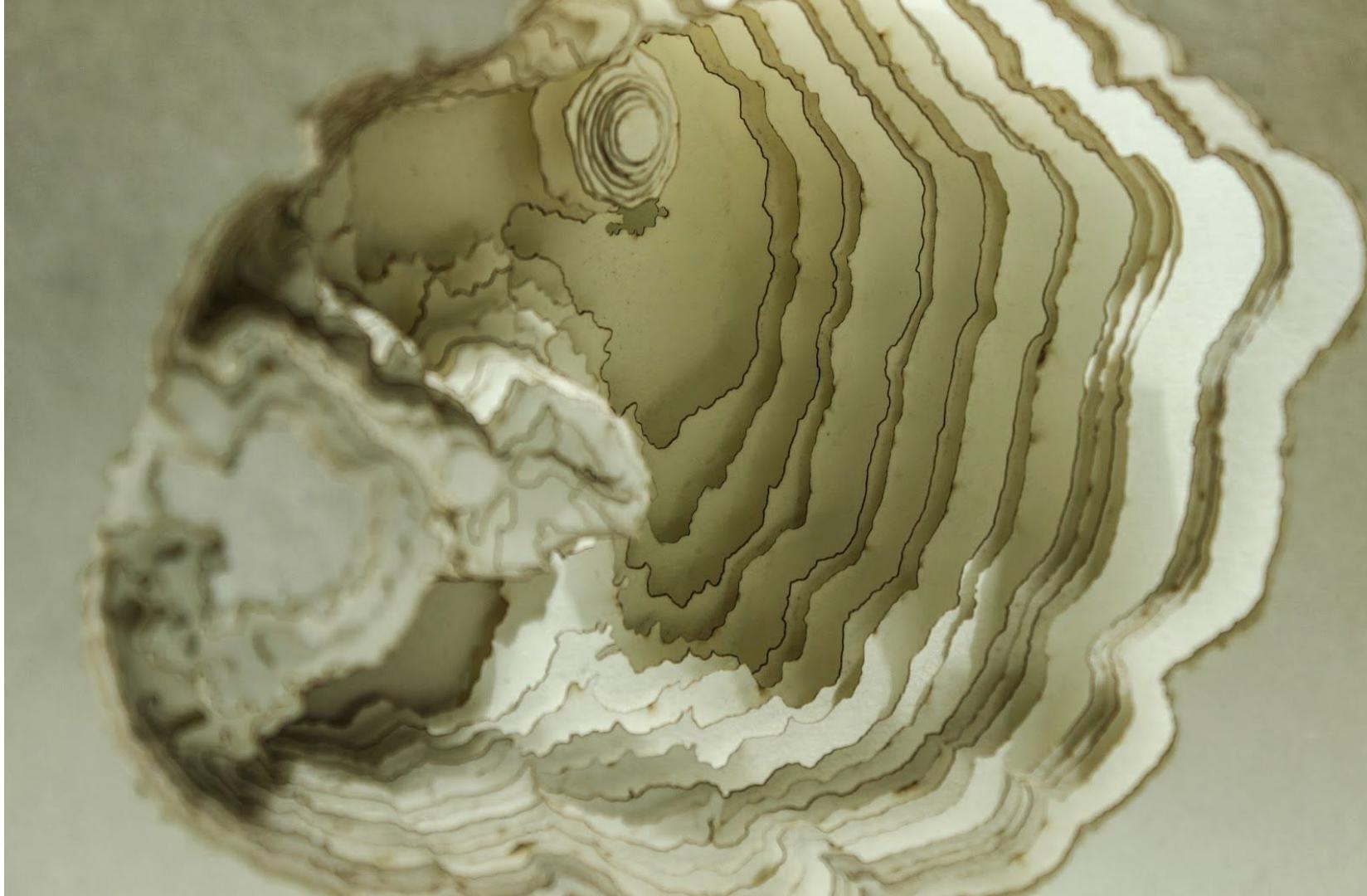


sector67.org











lake mendota map



cmrose@wisc.edu x



Joe Webb

to cmrose ▾

4/11/13



Hi Caroline,

I figured since you know a lot about maps that you might be a good person to ask. I am looking for a large scale map/digital file of lake Mendota for the new space. Think about something that we could enlarge to fit on a wall (maybe as wallpaper). Any suggestions?

Thanks,

Joe

Outing



Ski and Snowboard



Riding



Sailing



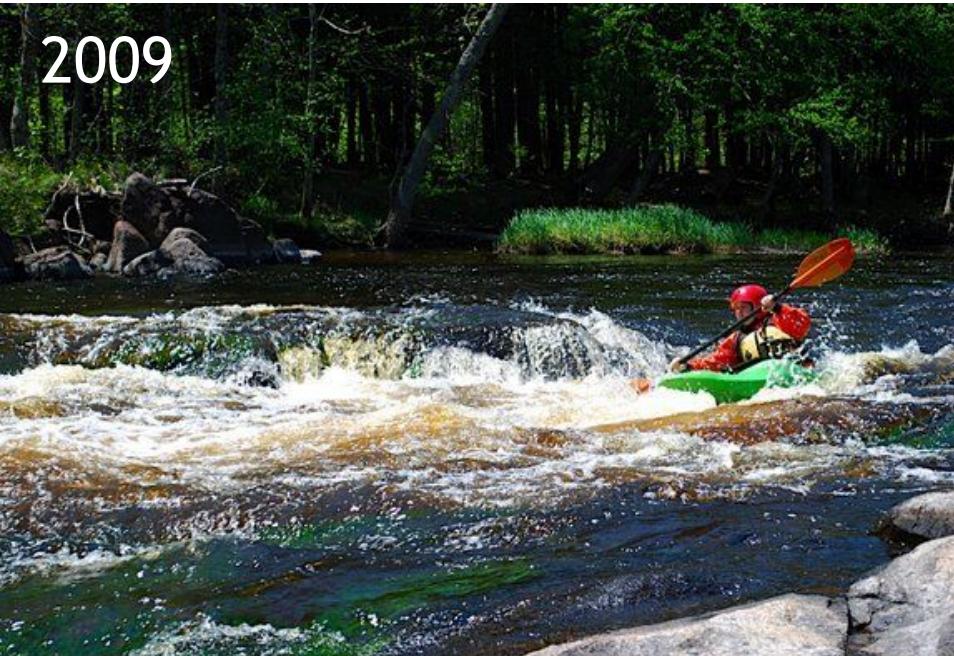
Mountaineering



SCUBA

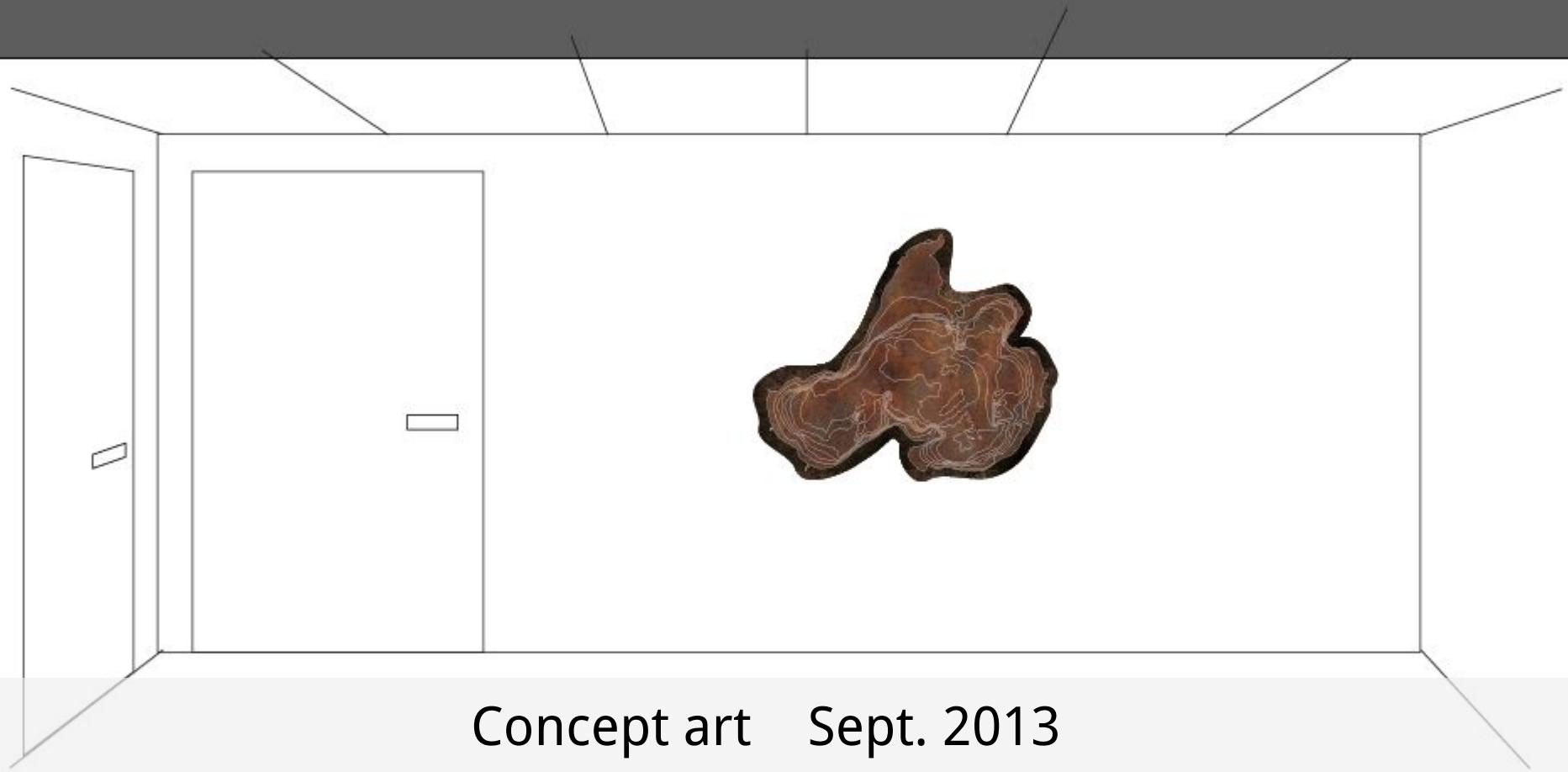


2009



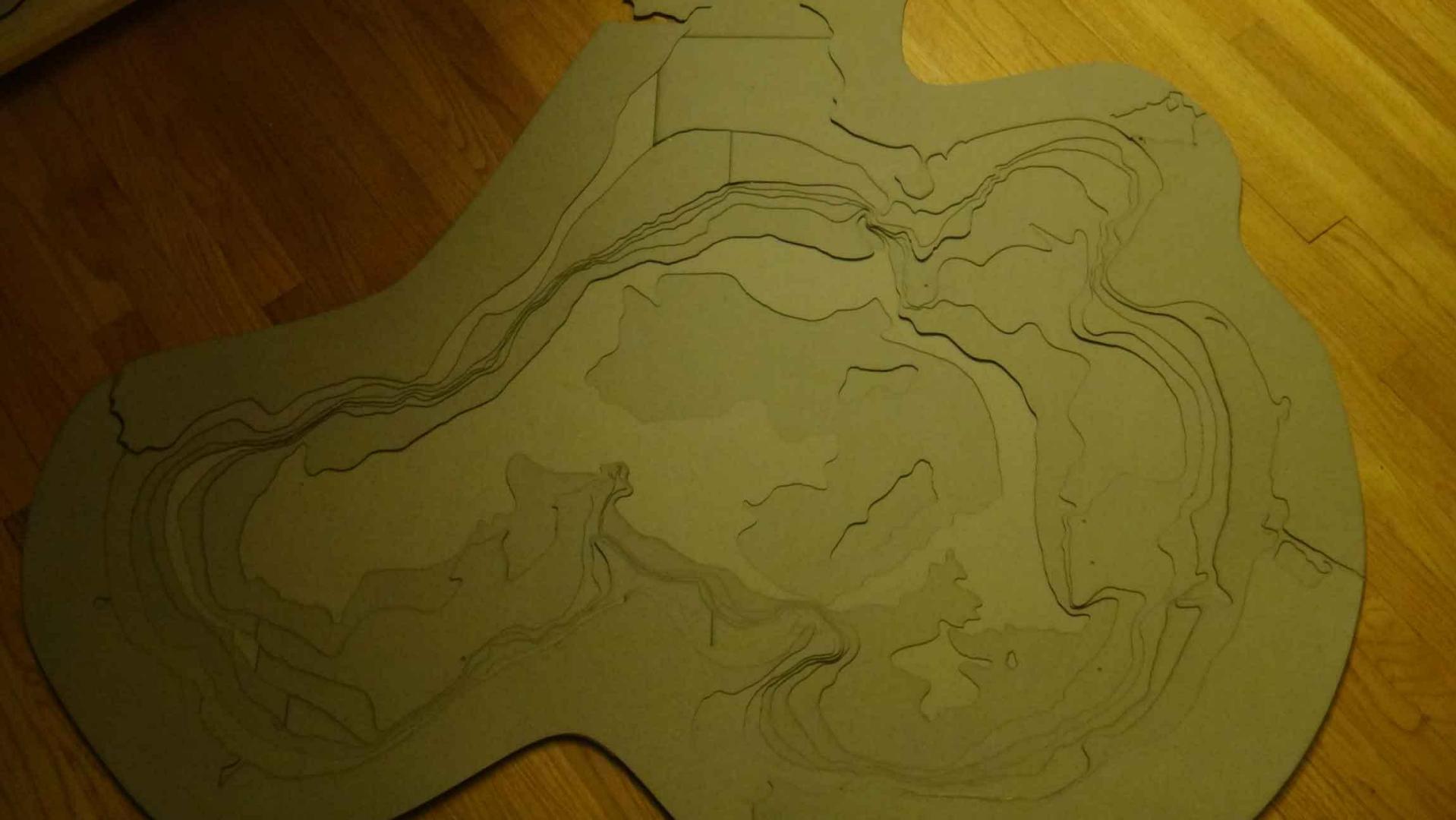
2012





Concept art Sept. 2013





CNC Router



November 2013



November 2013



Hoofer boathouse



January 2014

Paint tests



January 2014

Base coat in shades of grey



January 2014

Absorbent ground



January 2014

Blue dye-based ink

January 2014

Clear enamel finish



April 2014

In pieces



April 2014

Stacking up the layers



April 2014

Stacking up the layers



April 2014

Stacking up the layers



April 2014

Grinding off protruding screws



April 2014

Wooden frame pieces



April 2014

Building the wooden frame

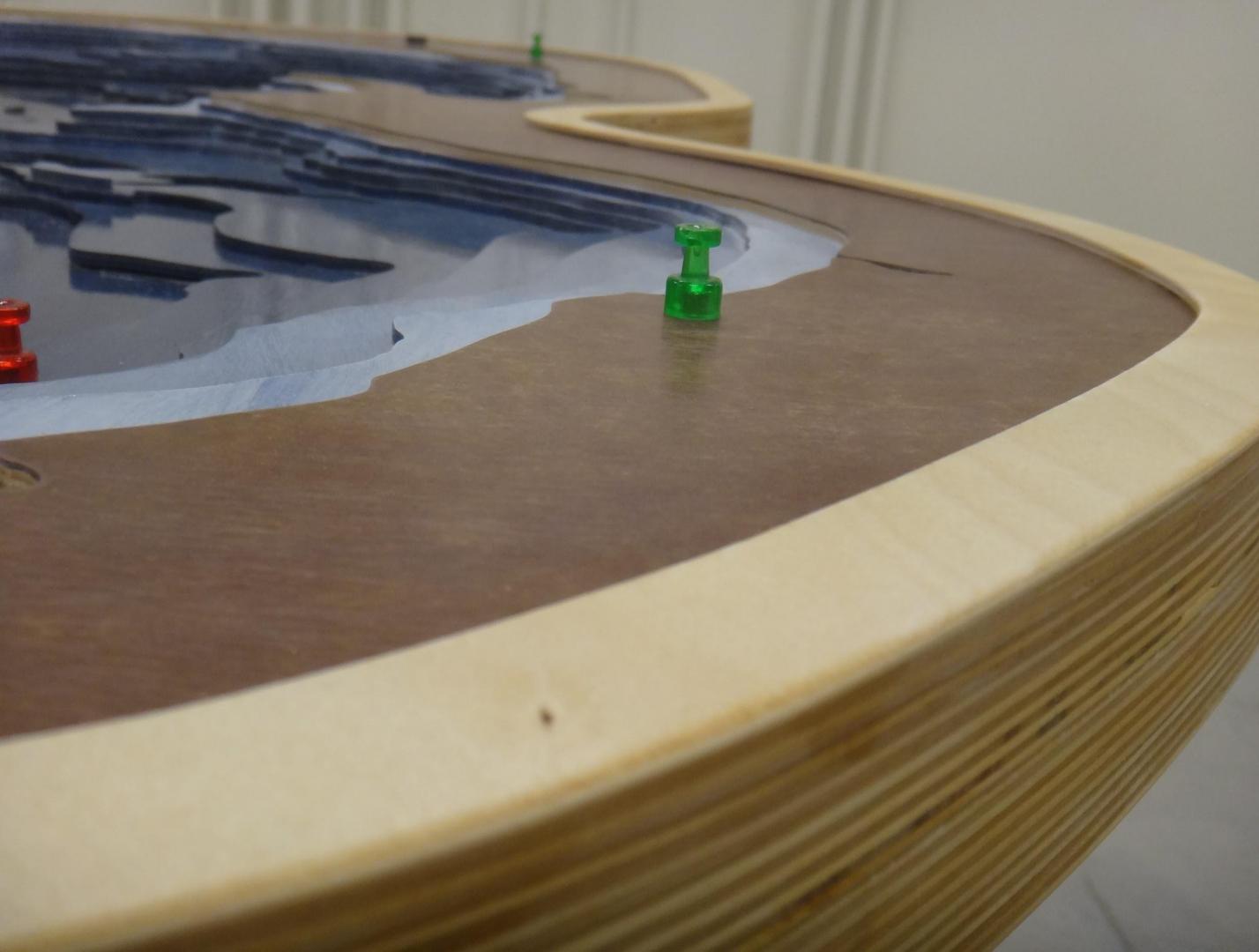


April 2014

Sanding the wooden frame



May 2014





@cmrRose

@southpolesteve @sector67 @UWMadison
@WisconsinUnion Breaking News: IT'S
DONE. Better photos and some blog posts
soon

Reply Favorite More



RETWEETS

FAVORITES

II

nacis

North American
Cartographic Information Society



Matt Dooley
@mapdooley



Finding some great photos from
[#nacis2015](#) - thanks
[@jccartography](#) and [@cmrRose!](#)

7:06 AM - 10 Nov 2015



1



4





Map Gallery and Tangible Maps Exhibit
October 14-16

nacis

North American Cartographic Information Society | Annual Meeting 2015

Depicting location

- a Reference (orientation / navigational aid)
- β Thematic (visualize geographic data)
- γ Evoke a specific place (using its shape)
- δ Non-specific reference to geographic shapes

0: Realism/literal (actual 3d data)

- A Form facilitates understanding
- B Materials carry meaning
- C Using sculptural form to re-frame perceptions of place
- D Using the third dimension to represent (non-3d) data
- E Inviting interaction
- F The tangible experience of making
- G Celebrating the beauty of geographic forms through the beauty of sculptural media

(examples next)

Form facilitates understanding

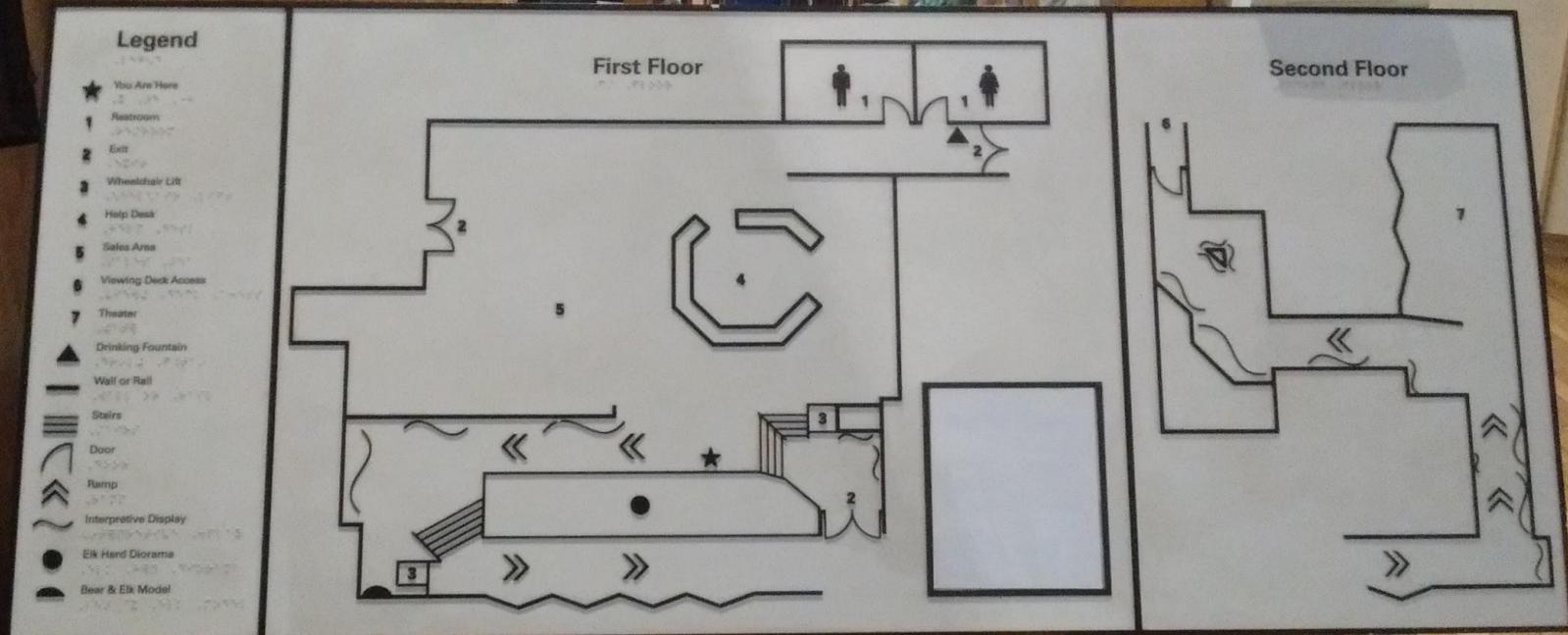
- more immediately intuitive
- accessibility for people with visual impairments



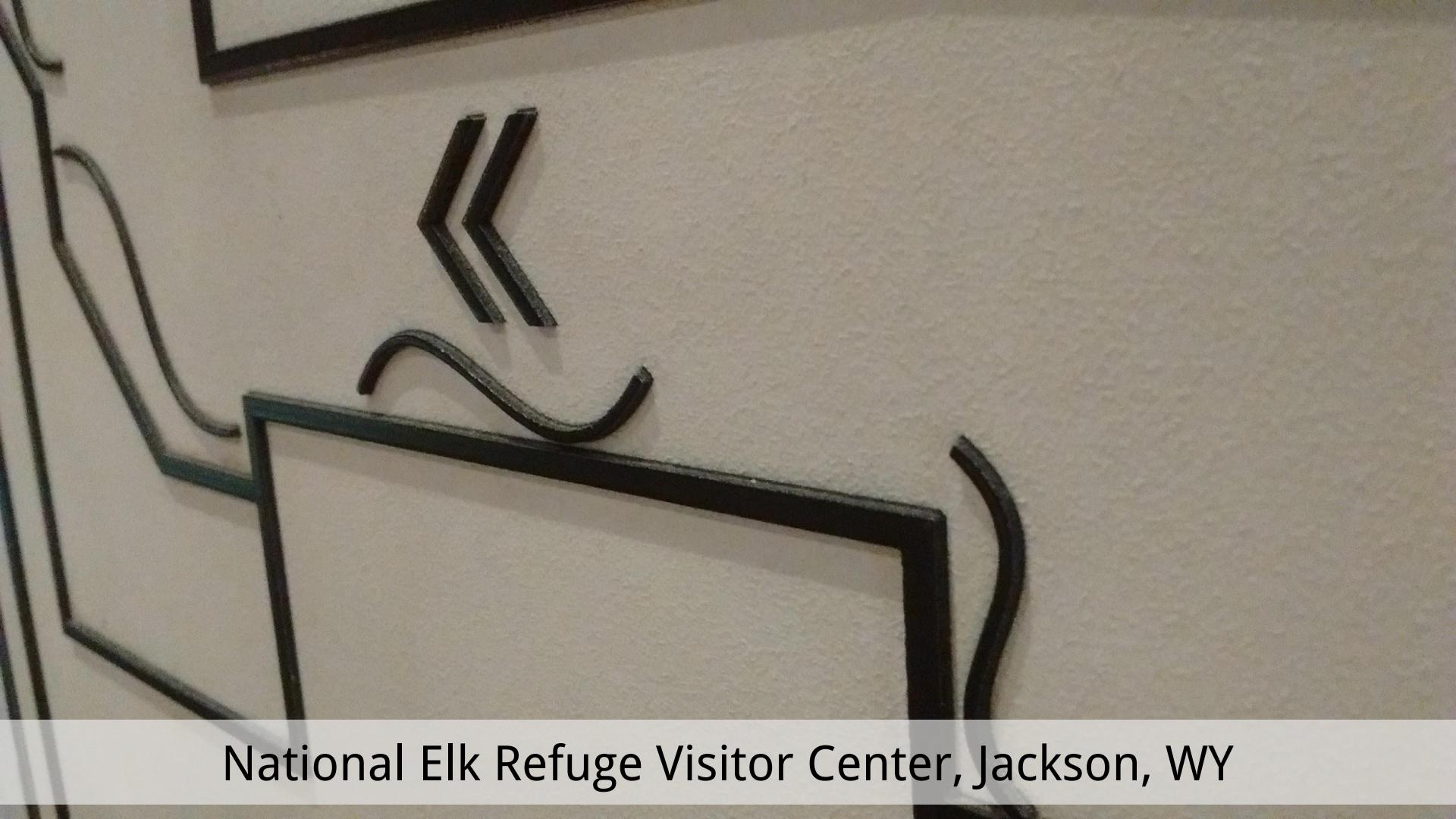
Visitor Center, Jackson, WY

Muir Woods National Monument, CA





National Elk Refuge Visitor Center, Jackson, WY

An abstract black line drawing on a light-colored, textured wall. The drawing consists of several thick, dark lines forming a complex, organic shape. It includes a vertical line on the left, a horizontal line with a wavy curve extending from it, and a series of diagonal lines pointing upwards and outwards from the center. The style is minimalist and modern.

National Elk Refuge Visitor Center, Jackson, WY

The dots on this map represent refuges in the National Wildlife Refuge System, including the National Elk Refuge. Managed by the U.S. Fish and Wildlife Service, the Refuge System consists of diverse refuges in all 50 states that provide habitat for thousands of wildlife species. It is the only national system of lands dedicated to conserving our wildlife heritage.

Is there a Refuge near your home?

National Wildlife Refuge

National Elk Refuge



National Elk Refuge Visitor Center, Jackson, WY

... land dedicated to
conserving our wildlife heritage.

Is there a Refuge near your home?

National Wildlife Refuge

... 3,300,000 acres
... 500+ refuges



National Elk Refuge

... 13,000 acres
... 10,000 elk



National Elk Refuge Visitor Center, Jackson, WY

refuges
stem,
Managed
ce, the
refuges
for
the only
to

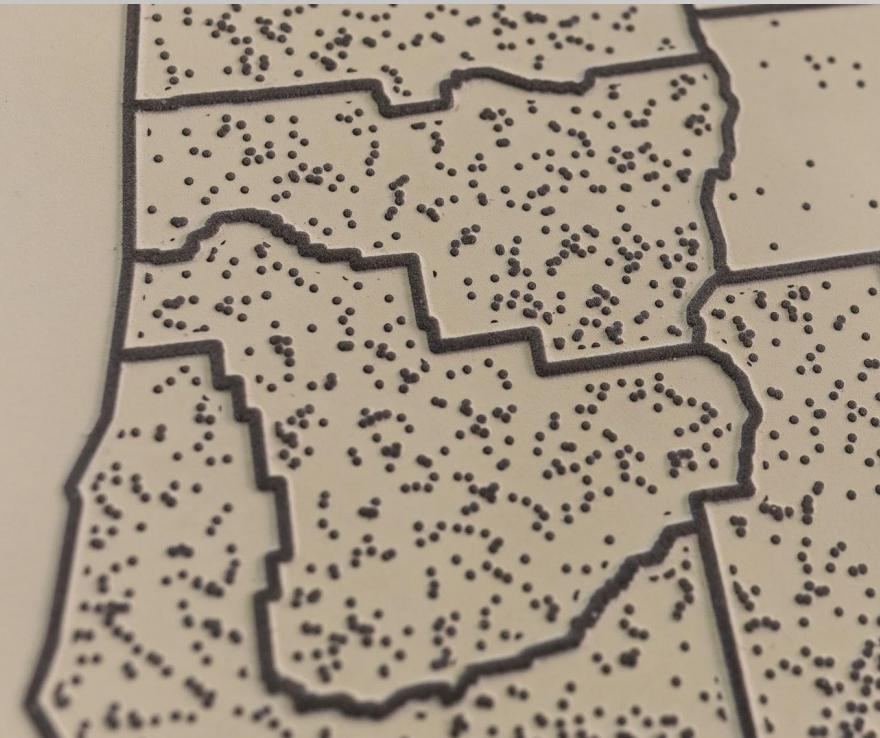
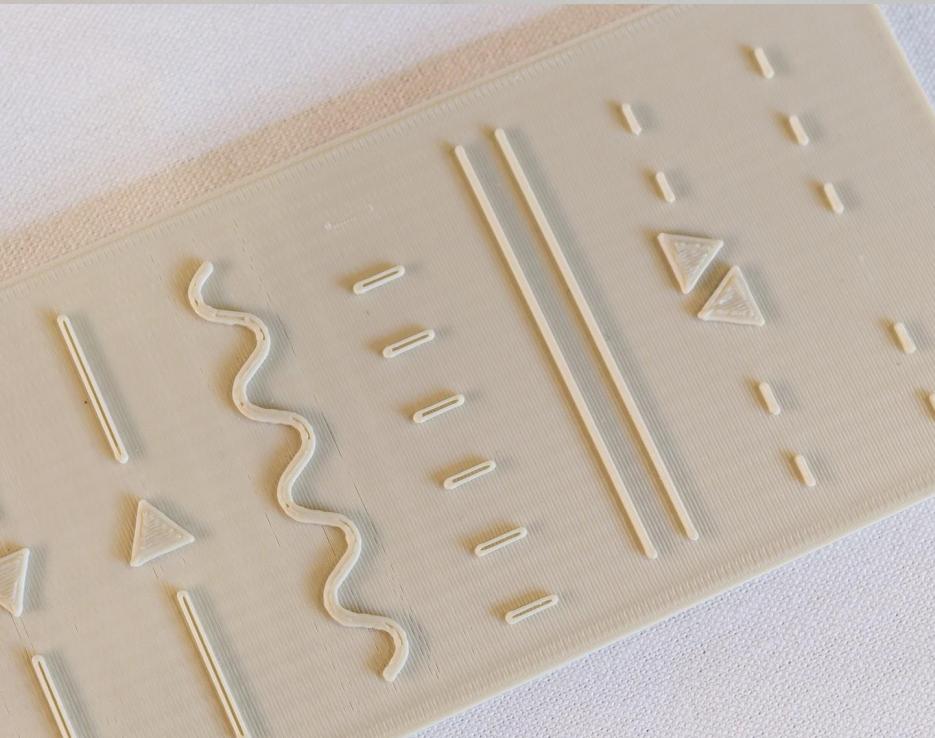


National Elk Refuge Visitor Center, Jackson, WY

Tactile Map Symbols across Three Media

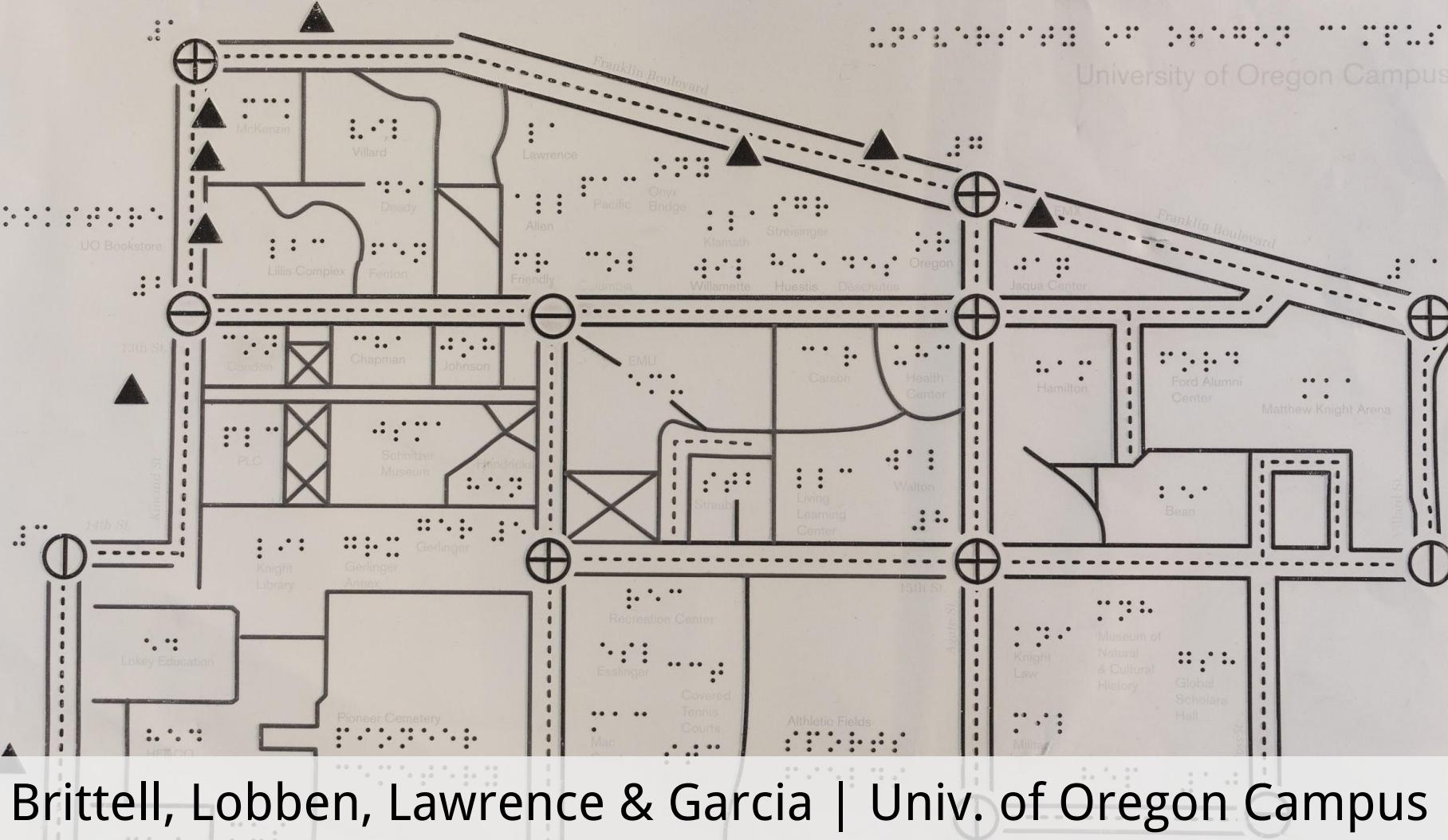
Megen Brittell, Amy Lobben, Megan Lawrence,
and Manny Garcia

3D printing, microcapsule paper, embossed paper



UNIVERSITY OF OREGON CAMPUS

University of Oregon Campus



Brittell, Lobben, Lawrence & Garcia | Univ. of Oregon Campus

Material as a statement



Claire Fontaine | “U.S.A. burnt/unburnt”



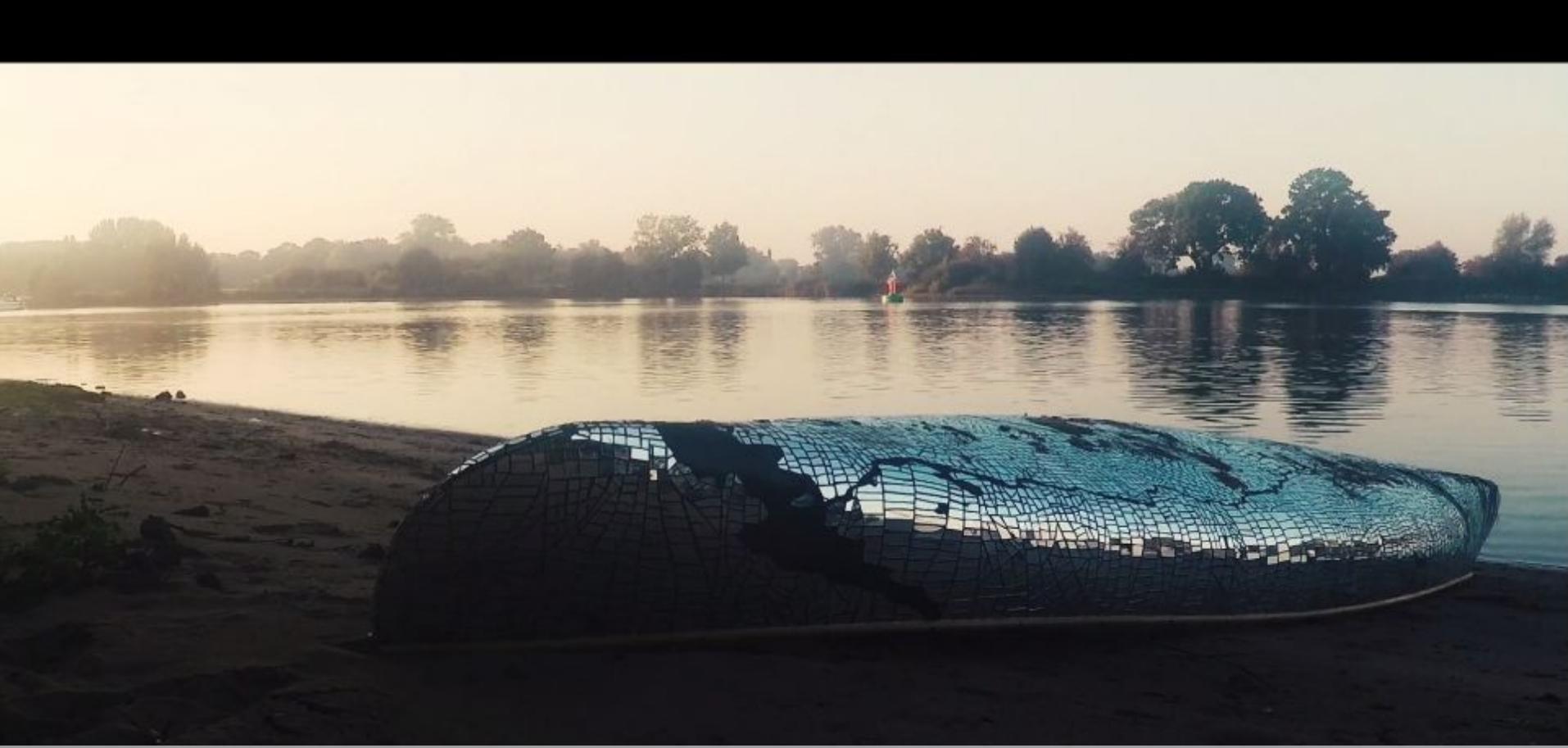
Claire Fontaine | "U.S.A. burnt/unburnt"



Claire Fontaine | “U.S.A. burnt/unburnt”

Brad Copping | "Reflections: the mirrored canoe project"





Brad Copping | “Reflections: the mirrored canoe project”

Using form to re-frame perceptions of a place

Maya Lin | “Folding the Chesapeake”





Maya Lin | “Folding the Chesapeake”

SAAM

Enhance geographic data visualization



Peter Vojtek | “The Shrinking Aral Sea”



Abigail Reynolds | "Mount Fear East London"



Hal Watts & Matthew Laws | “Can We Keep Up?”



Doug McCune | "Housing Prices Ripping San Francisco Apart"



Doug McCune | “South Napa Quake”

List of Physical Visualizations

and Related Artifacts

This is a chronological list of physical visualizations and related artifacts, maintained by Pierre Dragicevic and Yvonne Jansen. Thanks to Fanny Chevalier and our other contributors. Feel free to post a general comment or if you know of another interesting physical visualization, please submit it!

This list currently has 254 entries. Recent additions:

Housing Prices Ripping San Francisco Apart

Computer Glitches as 3D Objects

Actuated Prism Map of Italy

[See more...](#)

Also show entries on related artifacts below

5500 BC - Mesopotamian Clay Tokens



The earliest data visualizations were likely physical: built by arranging stones or pebbles, and later, clay tokens. According to an eminent archaeologist (Schmandt-Besserat, 1999): "Whereas words consist of immaterial sounds, the tokens were concrete, solid, tangible artifacts, which could be handled, arranged and rearranged at will. For instance, the tokens could be ordered in special columns according to types of merchandise, and the counts of items in each column could be checked."

<http://dataphys.org/list/>

The tangible process of making

Matt Dooley | "Terrestrial"



PIECE
TOUCH!

Terrestrial

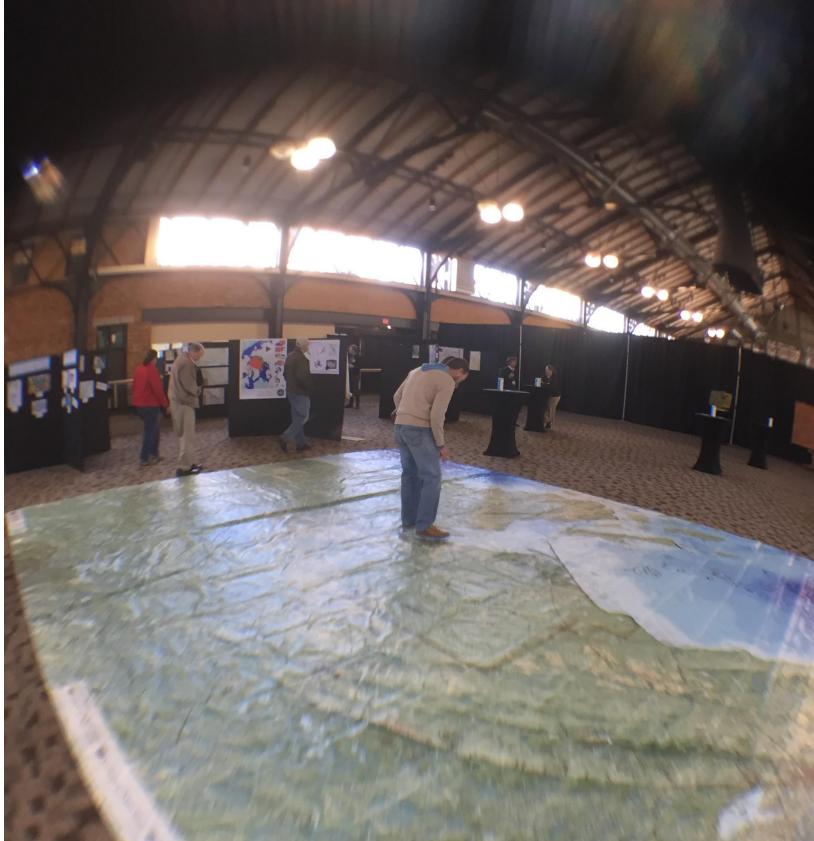
Matt Dooley | “Terrestrial”



Matt Dooley | work in progress



Inviting interaction



Jessie Conaway with the Bad River Band of Lake Superior Ojibwe
| "Bad River - Wetland Medicine River: Interactive Floor Map"

Celebrating the beauty of geographic forms

Greg
Klassen



Gaetano
Pesce /
David Gill
Gallery



Christopher Duffy /
Duffy London

- A Form facilitates understanding
- B Materials carry meaning
- C Using sculptural form to re-frame perceptions of place
- D Using the third dimension to represent data
- E Inviting interaction
- F The tangible experience of making
- G Celebrating the beauty of geographic forms
in beautiful objects

Lessons:

Think through how form and material
could reinforce the concept

Lessons:

CNC technology is huge

Lessons:

Don't forget documentation

Lessons:

Estimate your time...

Lessons:

Estimate your time...
then multiply by π

Lessons:

Encourage your peers

“ it's time once again to revive the Cart Lab Education Series (CLES)...
Start thinking about what you might like to present. You're not required to, but the series is peer-driven
All of you, without exception, have useful knowledge to share with your peers.
If you need help figuring out what that knowledge is, come talk to me. ”

Daniel Huffman



Further Exploration

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and Related Artifacts

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Bathymetric Book Blog

book + map... melding book arts with cartography

[Blog](#) | [Upcoming Events](#) | [About Me](#) | [Table of Contents](#)

bathymetric /ba-thi-'mō-ē-tik/ of relating to measurements of the depths of oceans or lakes

What's this all about? ... Here's an [Introduction](#) to this blog and here's a [page](#) [second overview](#) of the book itself

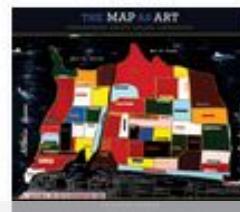
I ~~Wednesday~~, September 26, 2012

Inspiration

My Bathymetric Book is a variation on an old idea. The work of many other artists influenced its structure and general look and feel, while a bit of research helped me choose Crater Lake as my specific subject matter.



I have long admired the layered wooden depth maps that I see at craft fairs; I like their layered structure and rustic quality, which I have imitated in my book. As a lifelong canoe and kayak paddler, lakes are very special places to me. Studying these wooden depth maps certainly contributed to my desire to map a lake.



In 2011, I was given the book [The Map as Art](#) by Katharine Harmon. It is a collection of images and artist statements describing dozens of map-imagined works of art.

bathymetricbook.blogspot.com

Sources

<http://dataphys.org/list/>

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<http://www.smithsonianmag.com smithsonian-institution/maya-lin-used-marbles-model-chesa-180957109/?no-ist>

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<http://www.davidgillgallery.com/gp-table-lake/?rq=lake%20table>

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