

# Lego Mapping

World Map Set #31203

A monster of a set – 11695 pieces

Or:

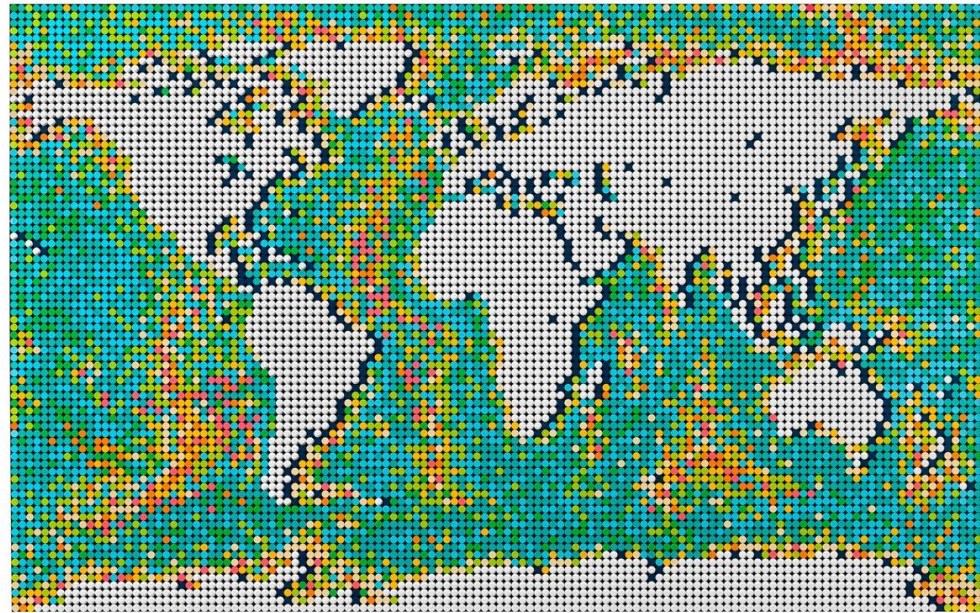
*“What I did on my summer vacation”*

by Sarah Battersby



# That's nice and all...but...

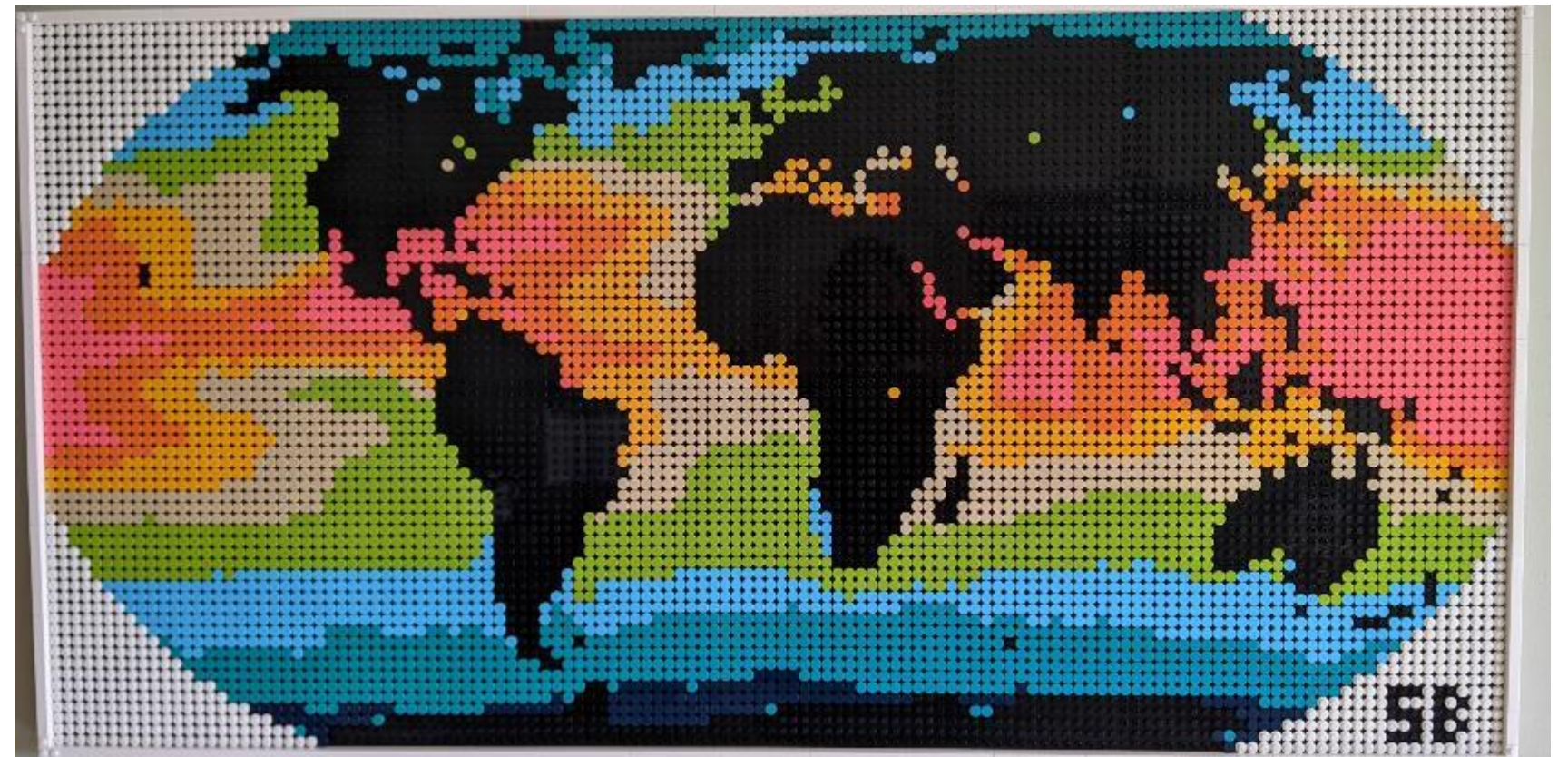
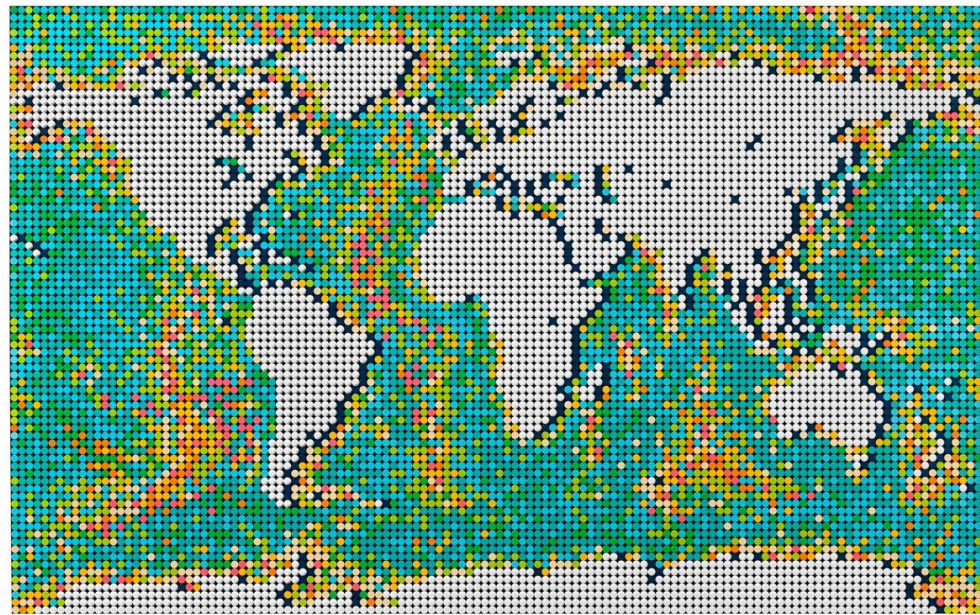
...cartographically, I had some other ideas...





# That's nice and all...but...

...cartographically, I had some other ideas...





# Some other awesome maps



Kenneth Field  
@kennethfield

Custom map 1 from @LEGO\_Group #worldmap #cartedumonde #mapamundi set: Spilhaus Plastic Ocean. Bathymetry. Tectonic plate boundaries. Antarctica towards centre. Land (tan) surrounds and blends into background. 'South' arrow. FUN!

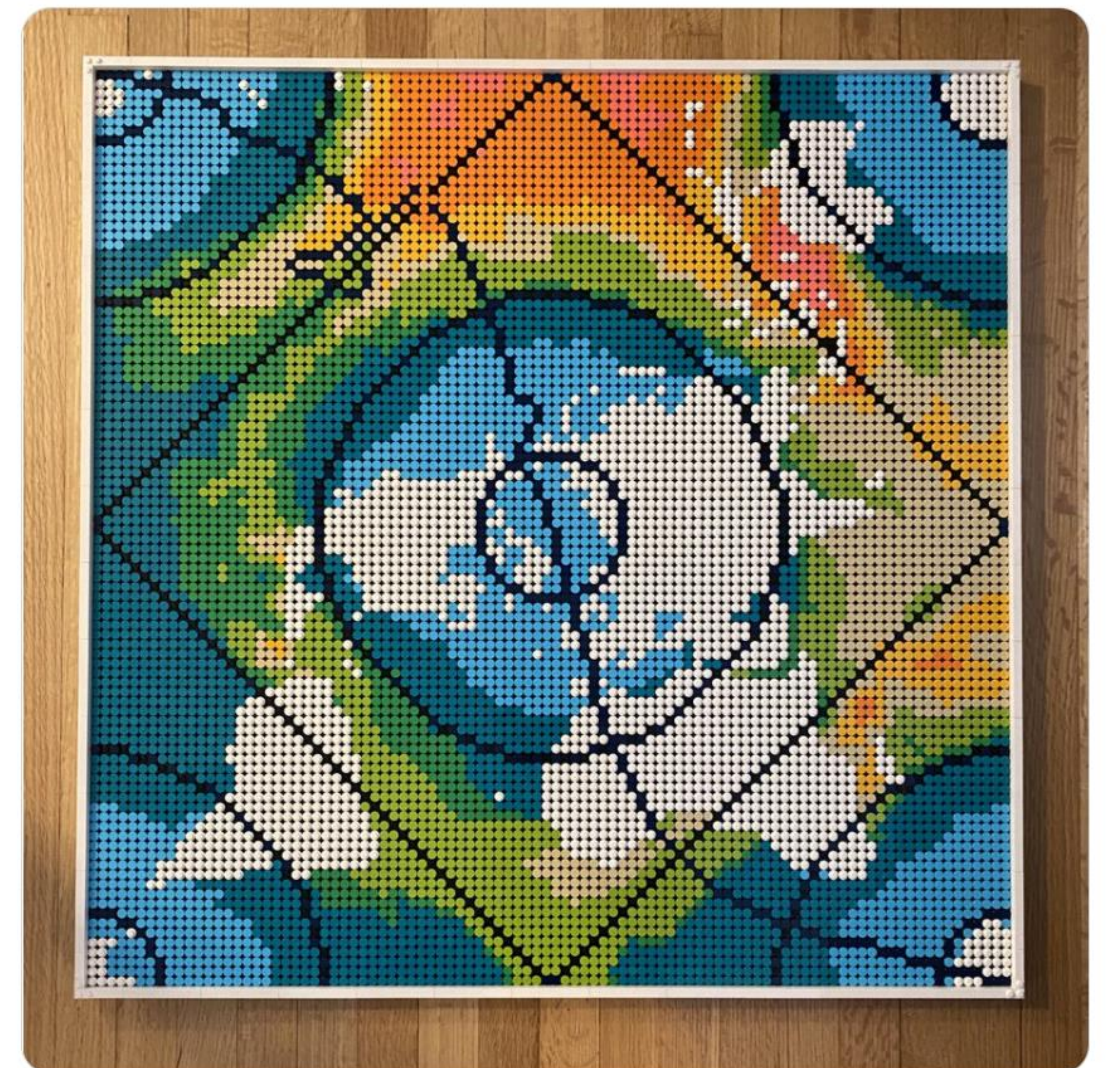


7:43 PM · Jun 16, 2021 · TweetDeck



Craig Williams  
@williamscraigm

My first take on the @LEGO\_Group World Map 31203: Peirce quincuncial projection with sea surface temperature, major circles of latitude, prime meridian, and international date line #cartedumonde #mapamundi #worldmap #lego



8:15 AM · Jul 13, 2021 · Twitter Web App



# When you want to build your own – a quick tour

Just think of it as a tiny little raster

Your constraint is:

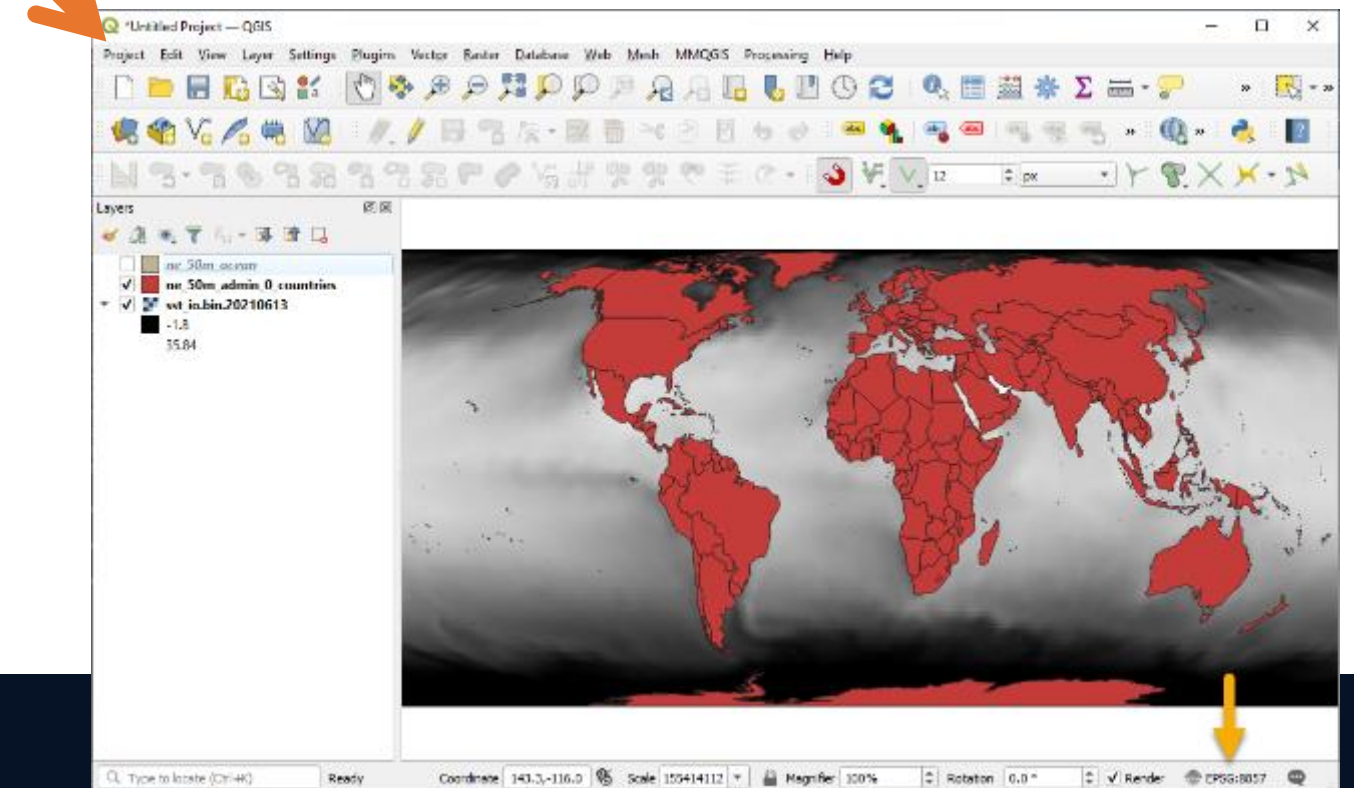
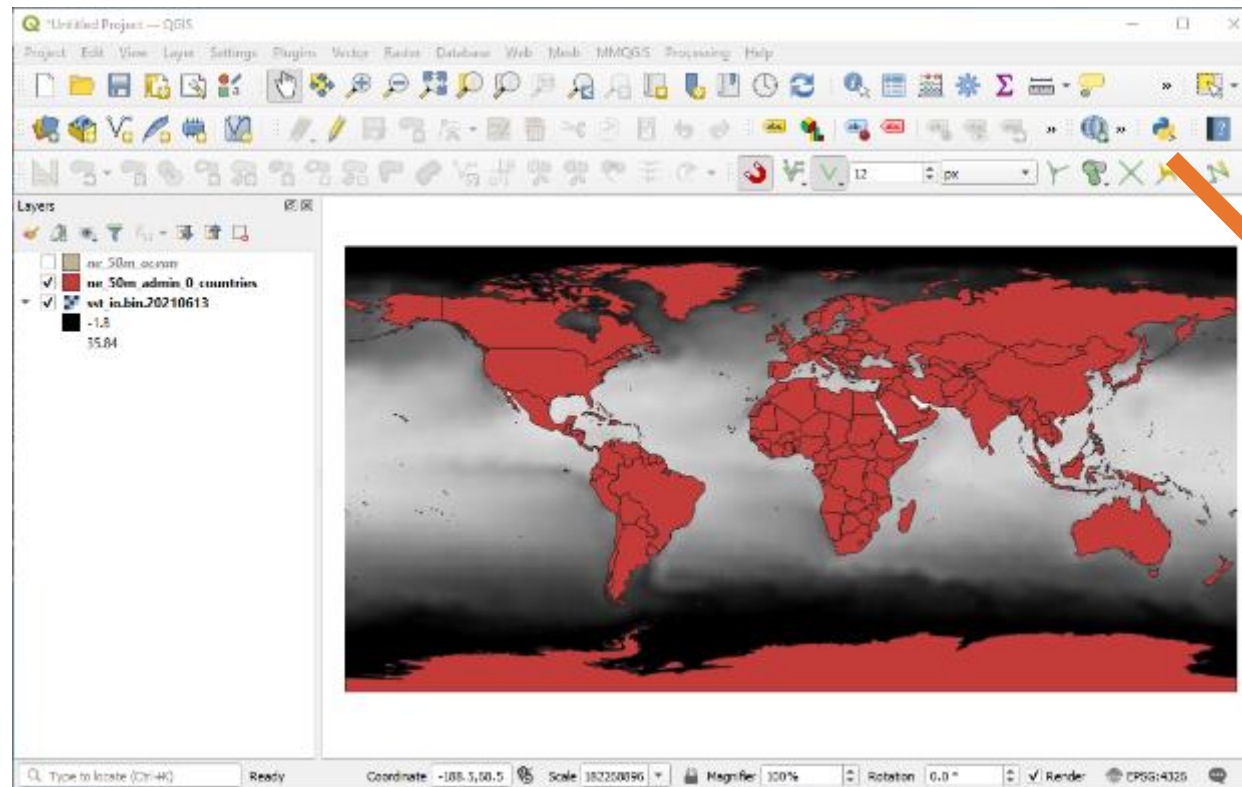
- 40 tiles
- 16 x 16 on each tile
- Finite numbers of each color of dots

 393x 6284584	 601x 6353793	 601x 6311436
 599x 6322822	 601x 6284582	 3064x 614101
 725x 6284573	 1879x 6311437	
 1607x 6322819	 1060x 6284583	

# Pick your data and projection...

Sea Surface Temperature from NOAA

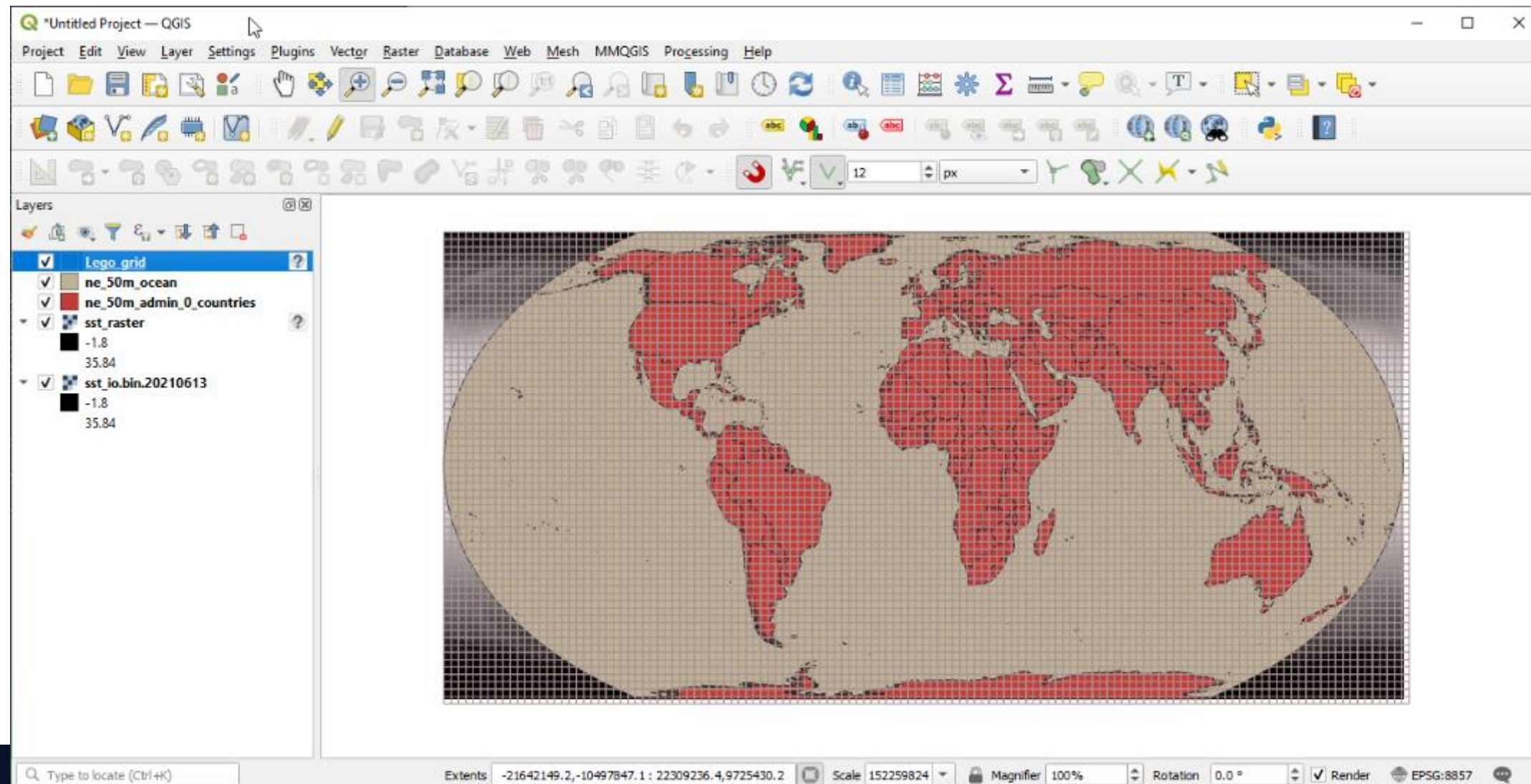
Equal Earth Projection



# Grid it out

Tiny bit of math to figure out the size of each cell

Equal Earth was easy since it's a 2:1 aspect ratio...so I used 8 x 4 tiles (@ 16x16 each tile)





# Assign values to the cells & maybe some carto license

This is why I went to GIS school

- Clean up land vs. ocean vs. periphery so they look good (creative re-assignment of category)
- Re-classify the temperature bands so that there are enough pieces for each group
- Accept critique from family members & demands for inclusion of specific lakes
- Make the template
- Build the map

