



# SPATIAL RESEARCH ATLAS

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*modified\**

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## A BRIEF OVERVIEW

This atlas chronologically curates works produced during the *Methods in Spatial Research* course at GSAPP over 6 weeks in the Spring of 2022. There is duality and a multitude of potentials in searching, selecting, pairing, and extracting datasets in the production of new knowledge through maps and related media. Working in QGIS, what began as unfamiliar territory allowed experimentation towards the visualization of various narratives on place, policy, society and terrain. Maps included here, whether conceptually or graphically, draw from various precedents, readings, and collective conversations towards critically provoking seemingly unrelated questions.



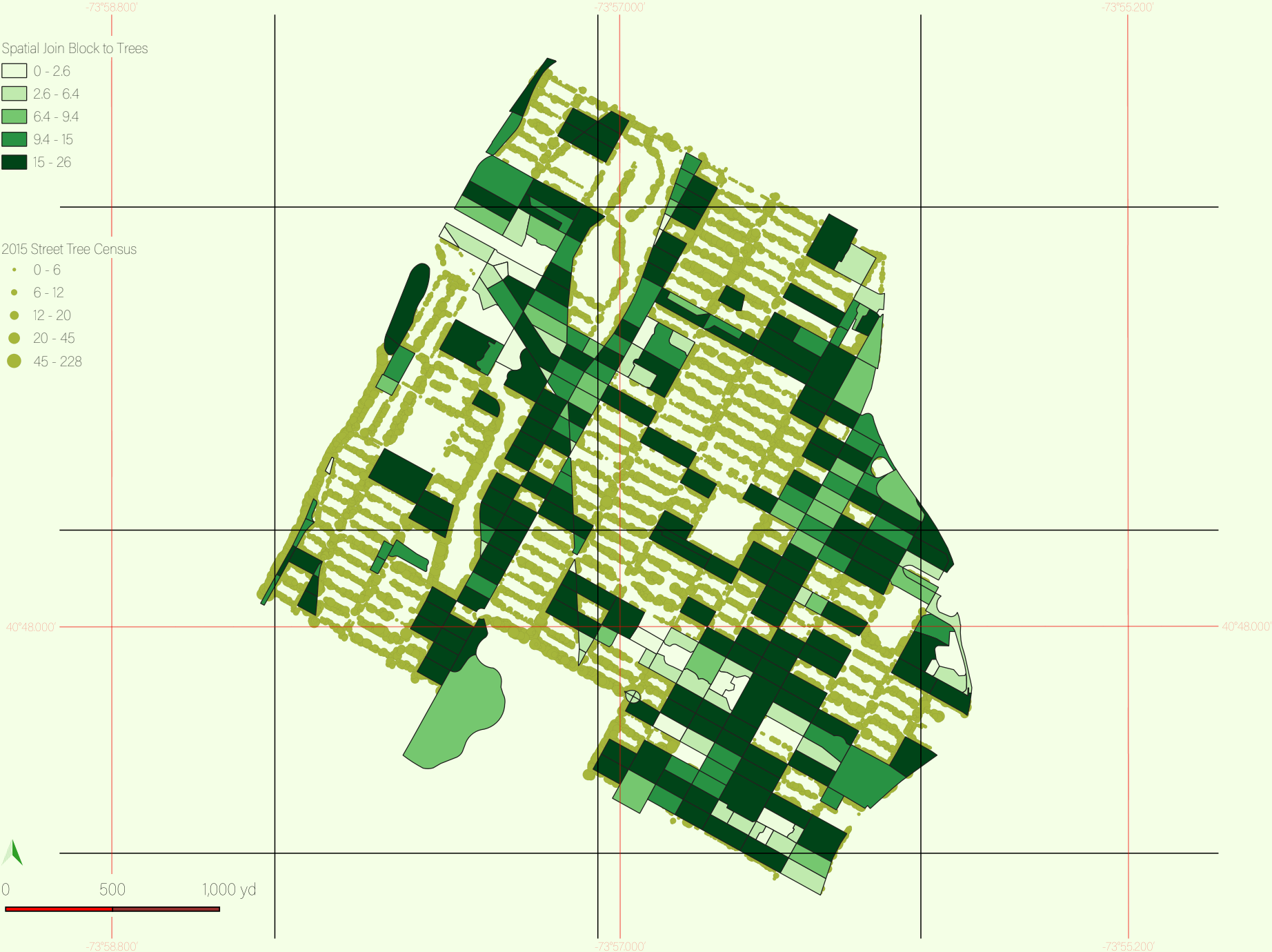
# MAPPING WHERE?

Spatial Join Block to Trees

- 0 - 2.6
- 2.6 - 6.4
- 6.4 - 9.4
- 9.4 - 15
- 15 - 26

: 2015 Street Tree Census

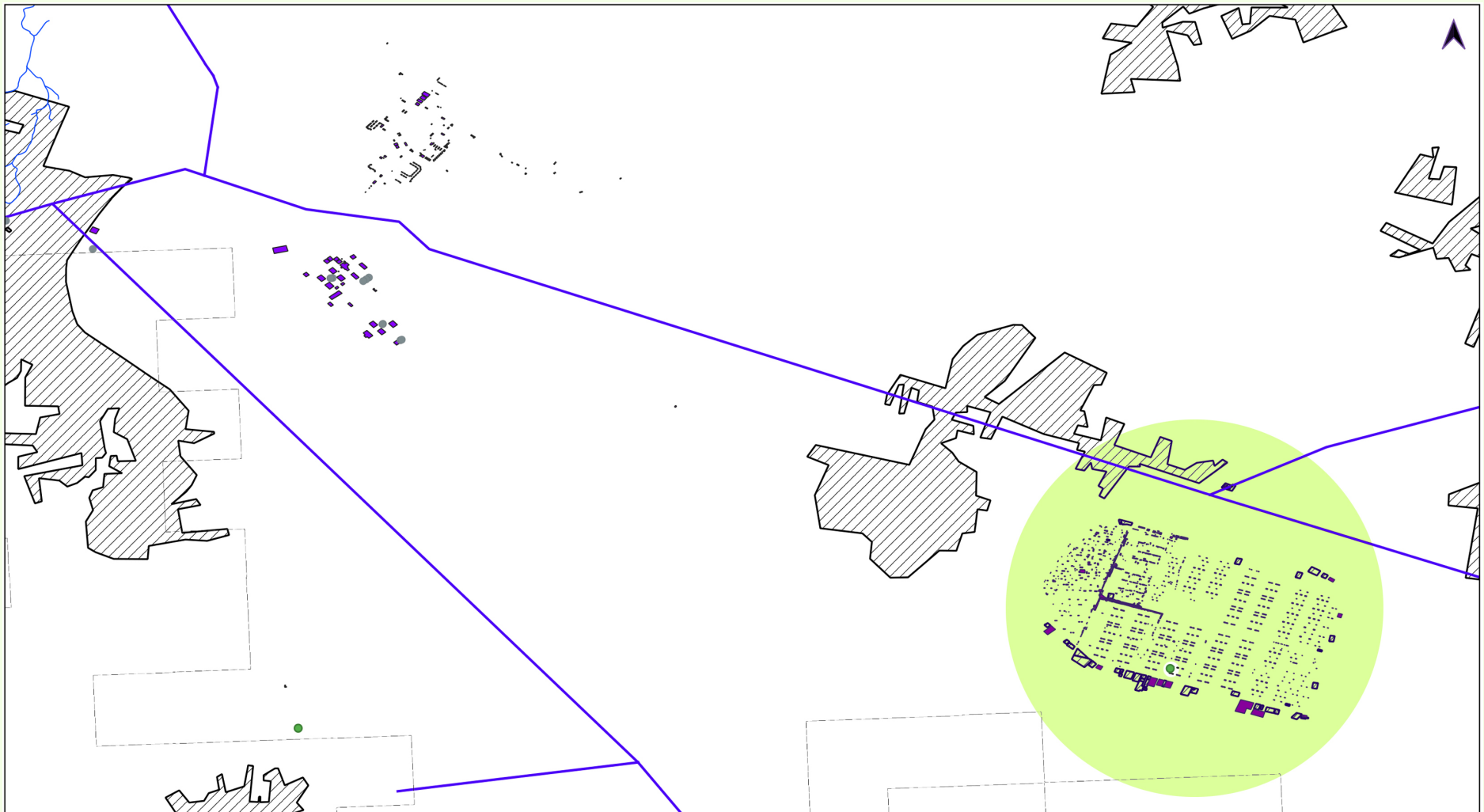
- 0 - 6
- 6 - 12
- 12 - 20
- 20 - 45
- 45 - 228





## INTENTIONAL RE/MIS USE

### MOBILITY AT THE ZA'ATARI REFUGEE CAMP



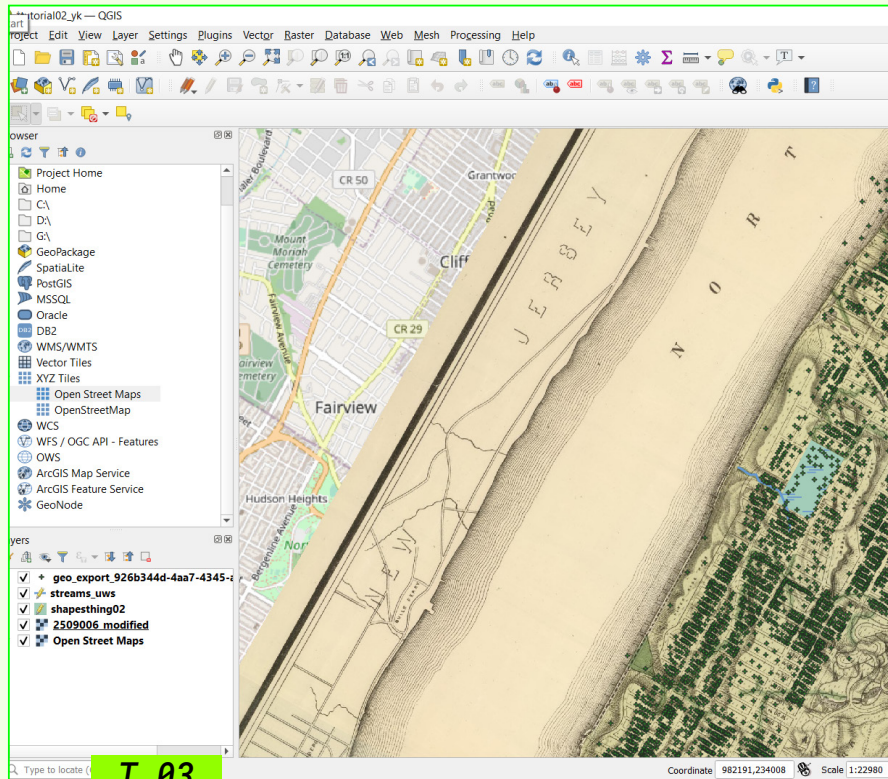
*Nine km to nearest public transport station. One tree. Lack of data questions accessibility and mobility within and beyond the confinements of the Za'atari Refugee Camp, host to an influx of Syrian refugee population in Jordan.*





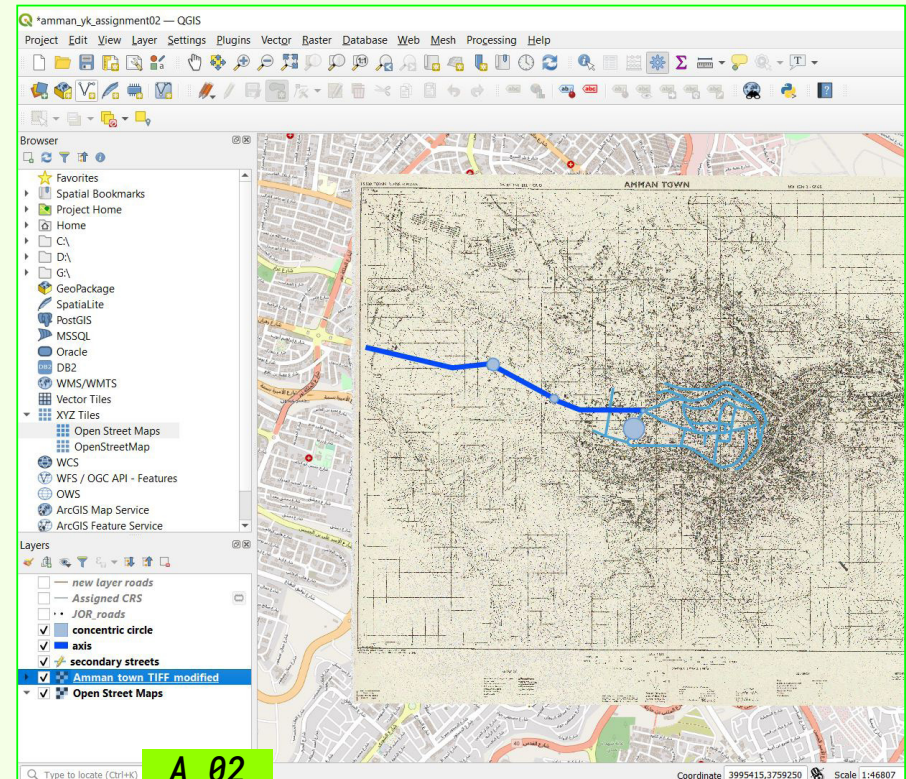


## MAKING DATA: ARCHIVES



T\_03

NYC



A\_02

AMMAN

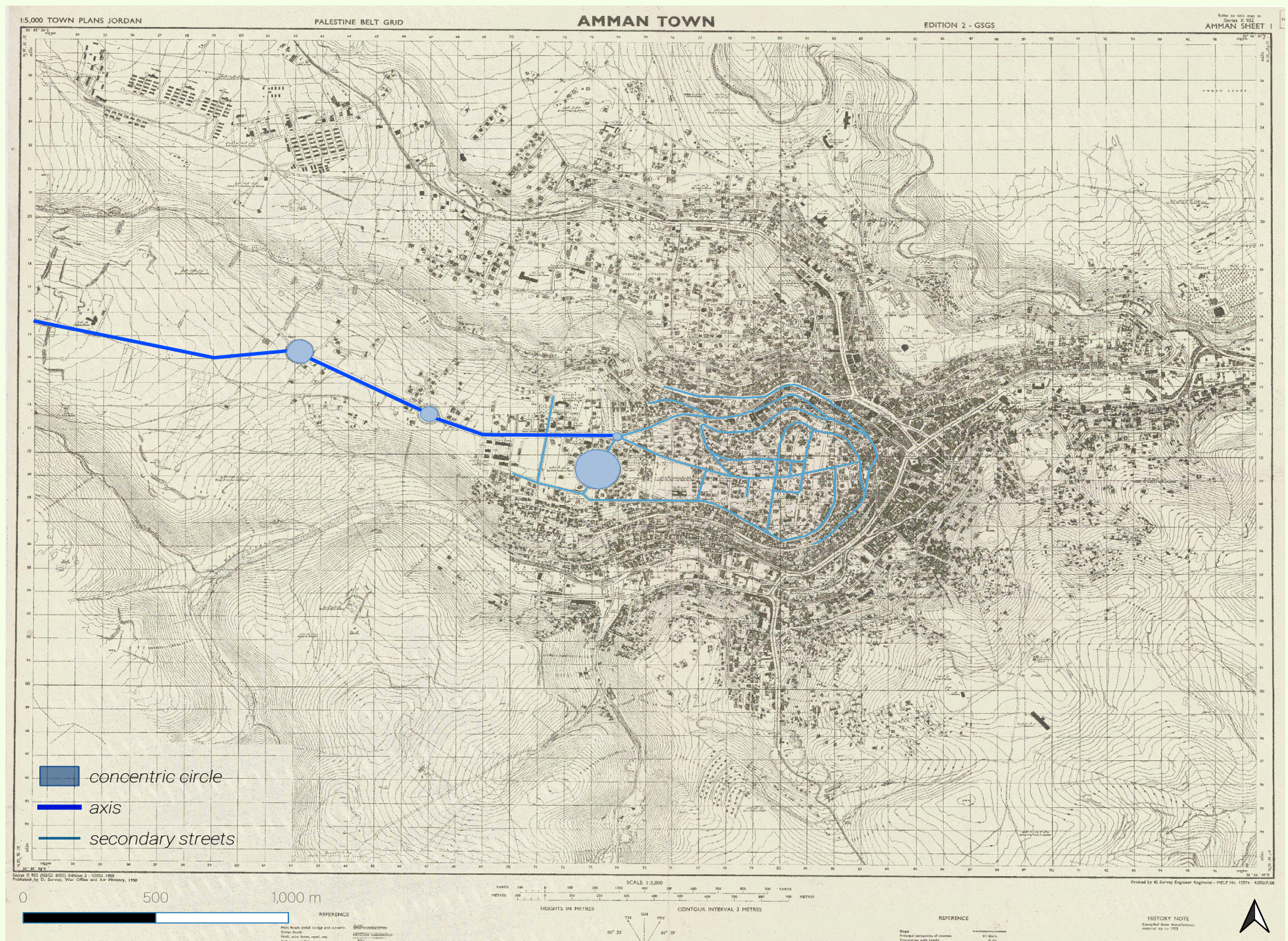
Following Map: AMMAN BEYOND NODES (1958)

*Through a logic of edges and nodes, Amman seems to grow further away from its downtown core. While today there are eight such distinct circles, the 1958 map depicts and projects this trend of outward expansion with spontaneous happening around such nodes.*





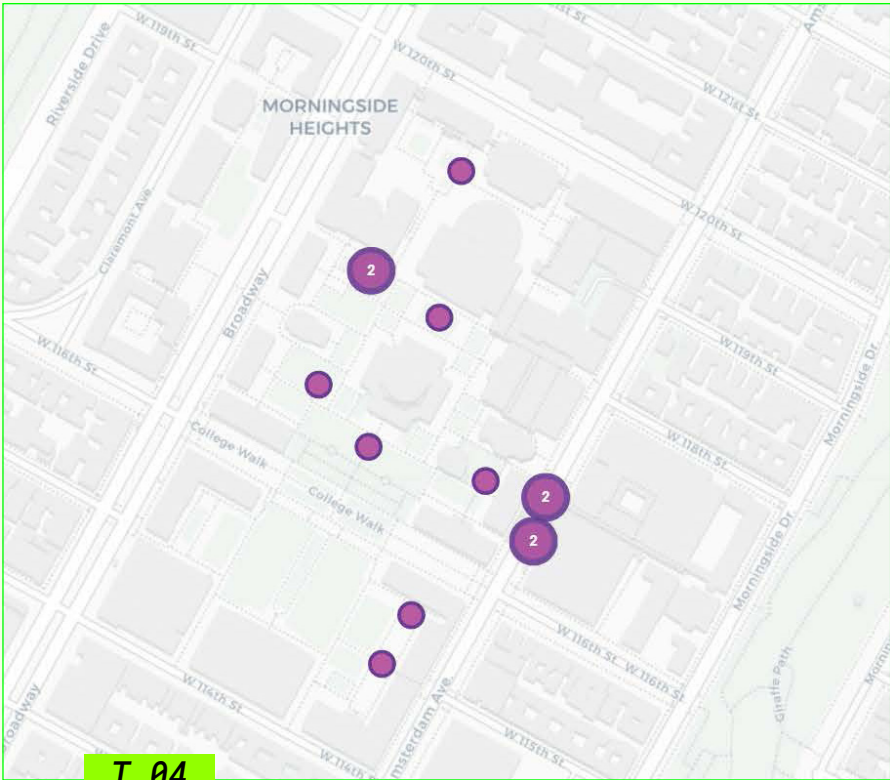
# SELECTIVE DIGITIZATION







# MAKING DATA: FIELD OBSERVATIONS



T\_04  
MAP

Statue Name	Order Number	Photo	location
Alma Mater	13		40.807794, -73.962157
John Jay	12		40.806346, -73.962041
Hamilton	11		40.806675, -73.961788
Sleeping statue	10		40.80821, -73.962603
Sundial	9		40.809635, -73.96135
Rhino	8		40.809016, -73.962239
Lion	7		40.808928, -73.962046
Business	6		40.808651, -73.961543
Balance Law	5		40.807483, -73.96069
Moving Law	4		40.807434, -73.960516
Law Library	3		40.807125, -73.960634
Law 1	2		40.807207, -73.960784
Philosopher	1		40.807561, -73.961127

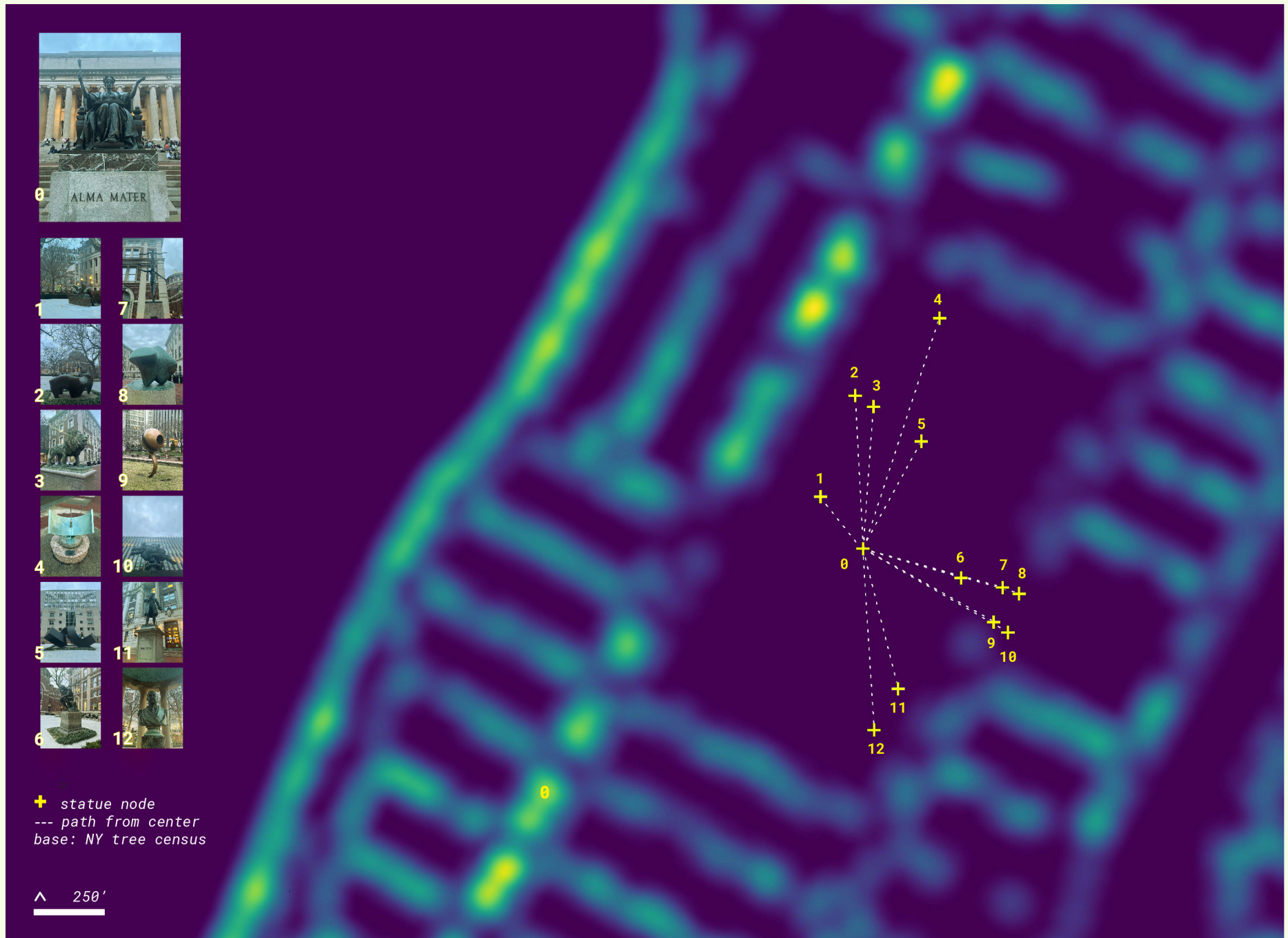
A\_02  
TABLE

## Following Map: STATUES ON COLUMBIA’S CAMPUS

Where tree data lacks within campus boundaries, statues allow for a new logic in navigating the campus at Columbia University. Through which, spatial relations are established between trees (which unlike what NYC tree census data suggests are plenty across campus), the building, and the statues on site.



## COLLECTING & MAPPING

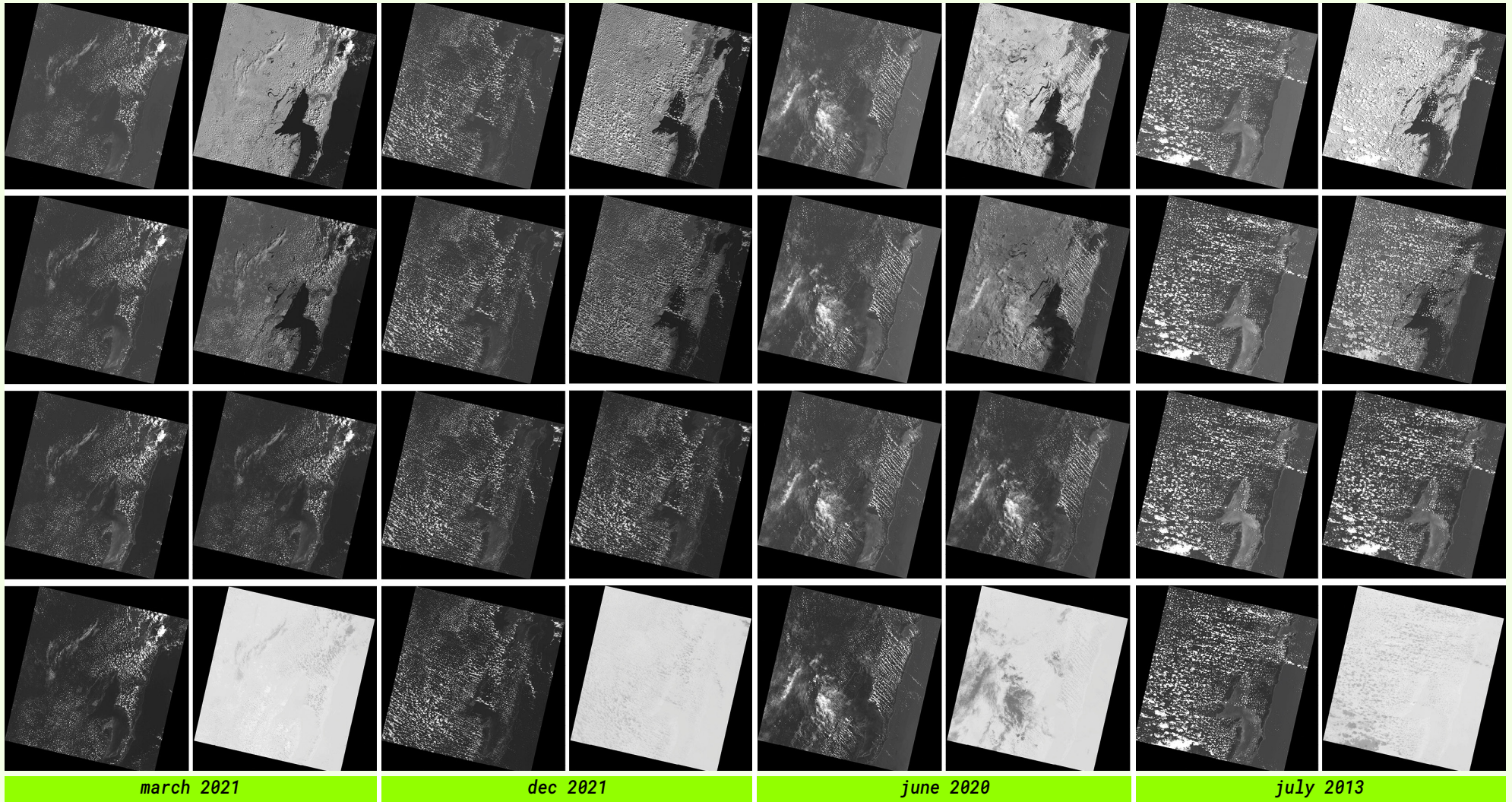






# MAKING DATA: AERIAL IMAGERY

REEF URBANISM IN SAN PEDRO, BELIZE

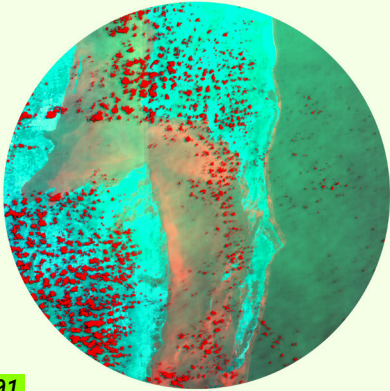


*Studying coastal development along San Pedro's Town Core through Landsat scans from 2013, 2020 and 2021. Regional changes as they relate to water urbanism, reef resilience and vegetation are fore-fronted.*



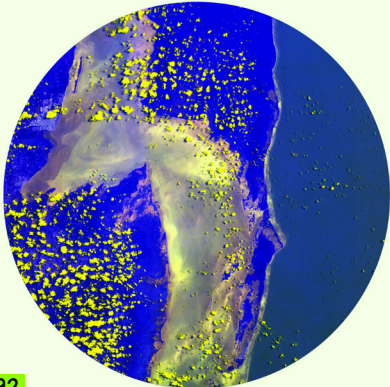


CONT.



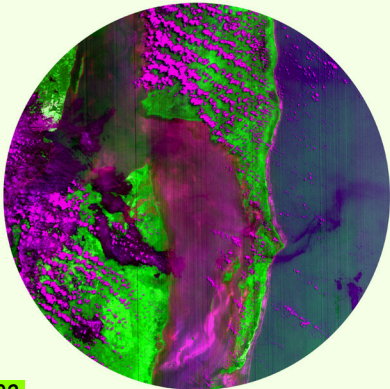
01

4-3-2



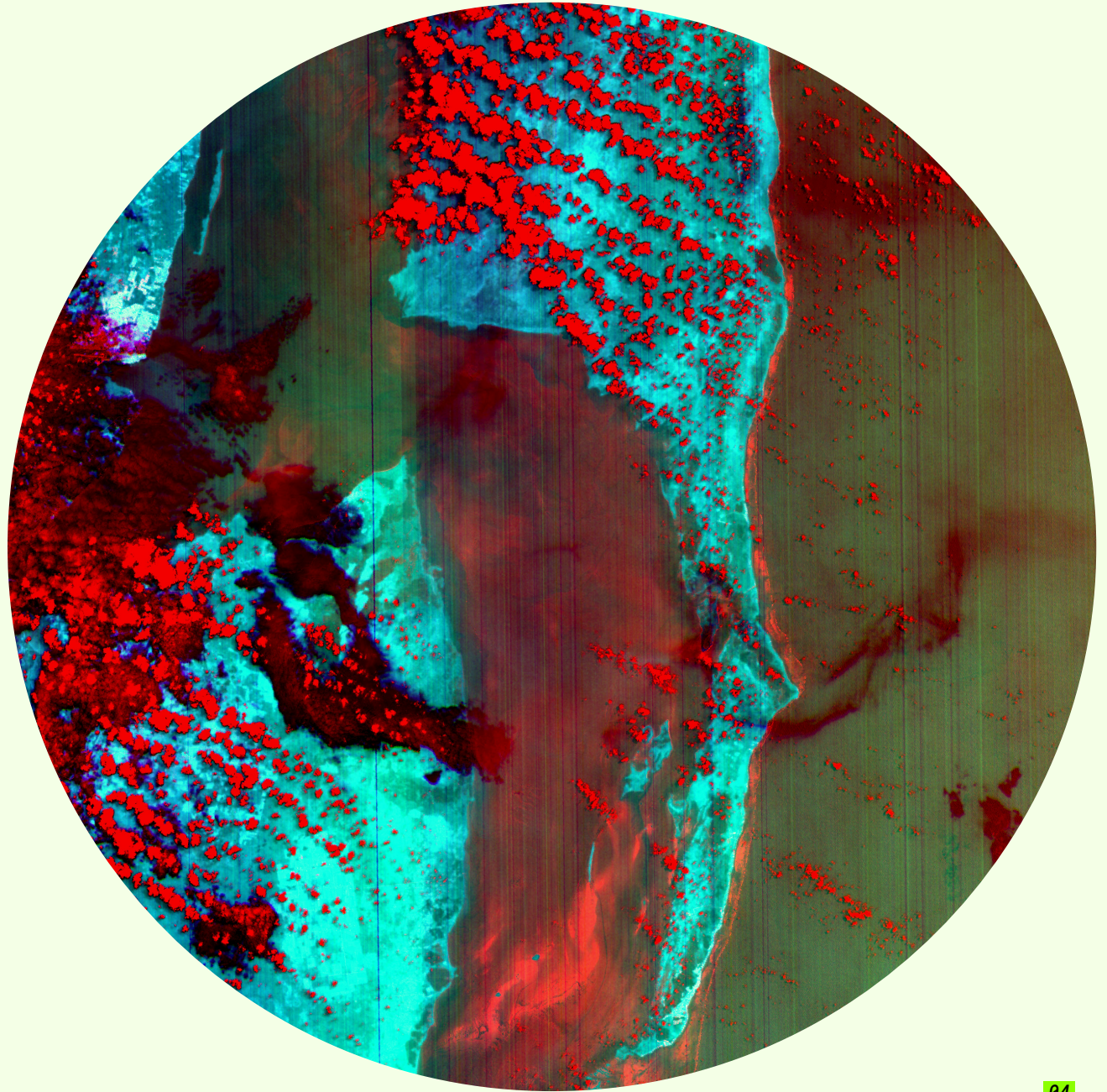
02

4-3-1



03

6-4-2



04

5-4-3



## RESOURCES / REF.

### T\_01\_02 Intro

#### A\_01 Intentional Re/Mis Use

RJGC. Jordan Raster. Unknown. Royal Jordanian Geographic Centre, 2017. [http://rjgc.gov.jo/rjgc\\_site/en/media/](http://rjgc.gov.jo/rjgc_site/en/media/).  
Vector Data courtesy of Geofabrik GmbH and OpenStreetMap “<https://download.geofabrik.de/asia/jordan.html>”  
“<https://planet.osm.org/>” 2013.

### T\_03 Archives

#### A\_02 Selective Digitization

Great Britain, Directorate of Military Survey. Amman (Jordan). [Print] 1:5000. Held By Princeton.  
Published by D. Survey - War Office and Air Ministry, 1958.  
Map produced by author using OSM on QGIS courtesy of QGIS Development Team (2022). QGIS Geographic Information  
System. Open Source Geospatial Foundation Project. <http://qgis.osgeo.org> (generated February 1, 2022)

### T\_04 Field Observations

#### A\_03 Collecting & Mapping

Institute, Oxford University Big Data. “Mobile Data-Gathering Platform.” Epicollect5: Mobile & Web Application for Free  
and Easy Data Collection., 1 Jan. 2017, <https://five.epicollect.net/>.

### T\_06 Aerial Imagery

#### A\_04 Mapping Remotely

Landsat imagery courtesy of NASA Goddard Space Flight Center and U.S. Geological Survey” Survey, USGS -  
U.S. Geological. “Earthexplorer.” EarthExplorer, <https://earthexplorer.usgs.gov/>.

### Precedents

<https://centerforspatialresearch.github.io/methods-in-spatial-research-sp2022/resources/precedents-examples/>