

Assignment #2: Visualizing Places

“New Map of Great Tokyo and Yokohama” (1934) & Present-Day Transportation Routes

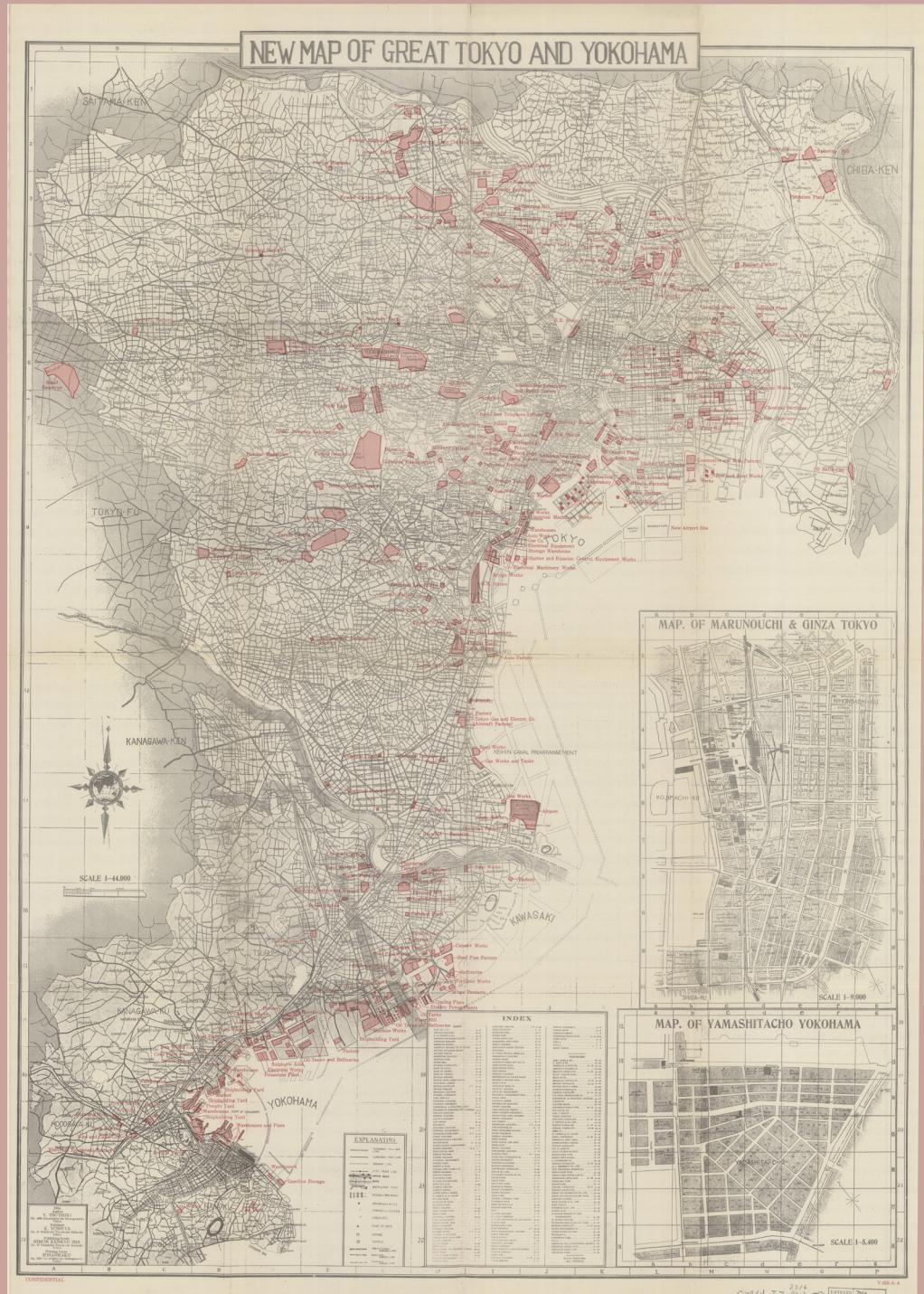
VIS 2128: Spatial Analysis

Our selected map of Tokyo City in 1934, highlights the strategic production, energy and defense infrastructure located in the city in a pre-World War II era. We chose this map because we thought it would be interesting to see if the 1934 infrastructure locations would correlate to modern day transportation flows and routes.

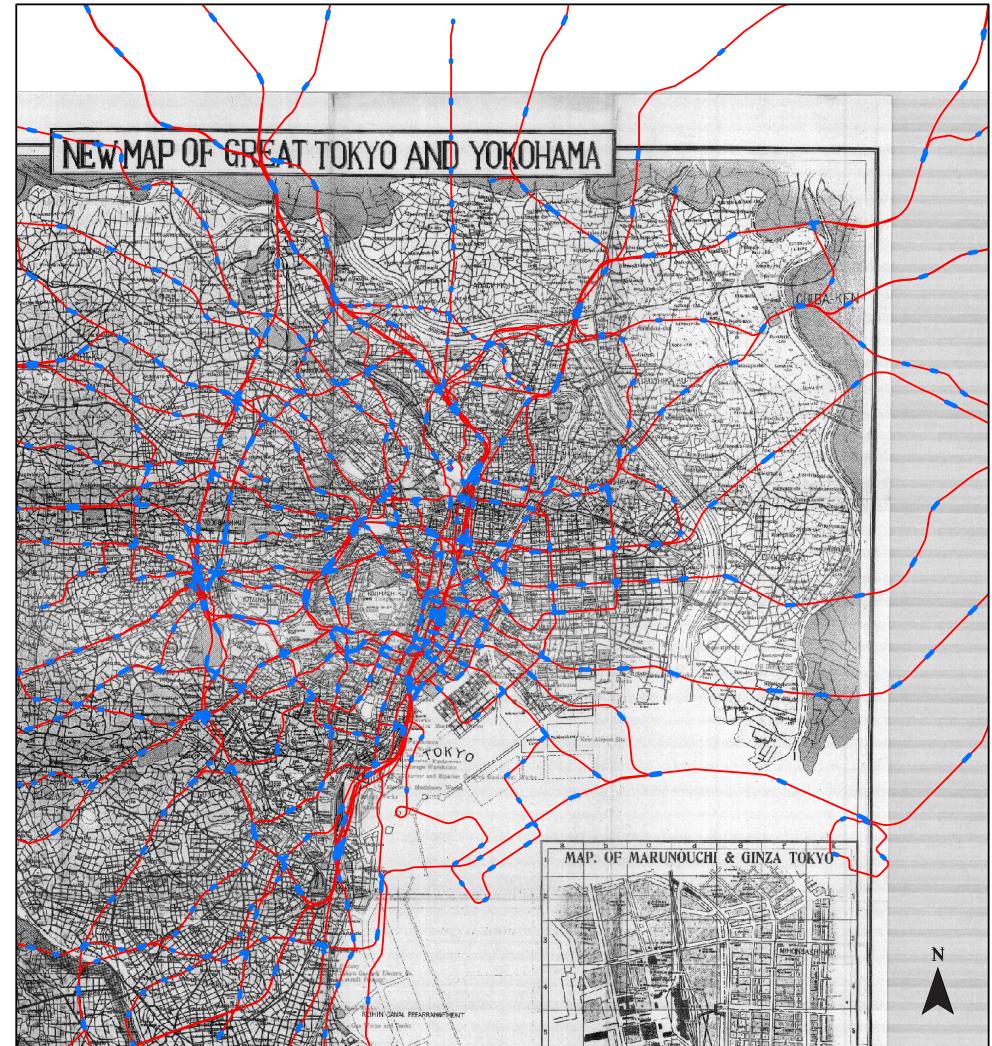
Our maps evaluate transportation infrastructure by using three distinct, yet related, maps:

- Railroads, which measure intra-city transportation mobility.
- Bike Lanes and Bus Routes, which measure public transportation and non-motorized mobility.
- Highways and Fuel Stations, which measure vehicular mobility.

Abdul-Razak Zachariah
Daniel Montoya
Esteban Garza Fishburn
Le Yang



Map #1: Railroad Stations and Railroad Routes

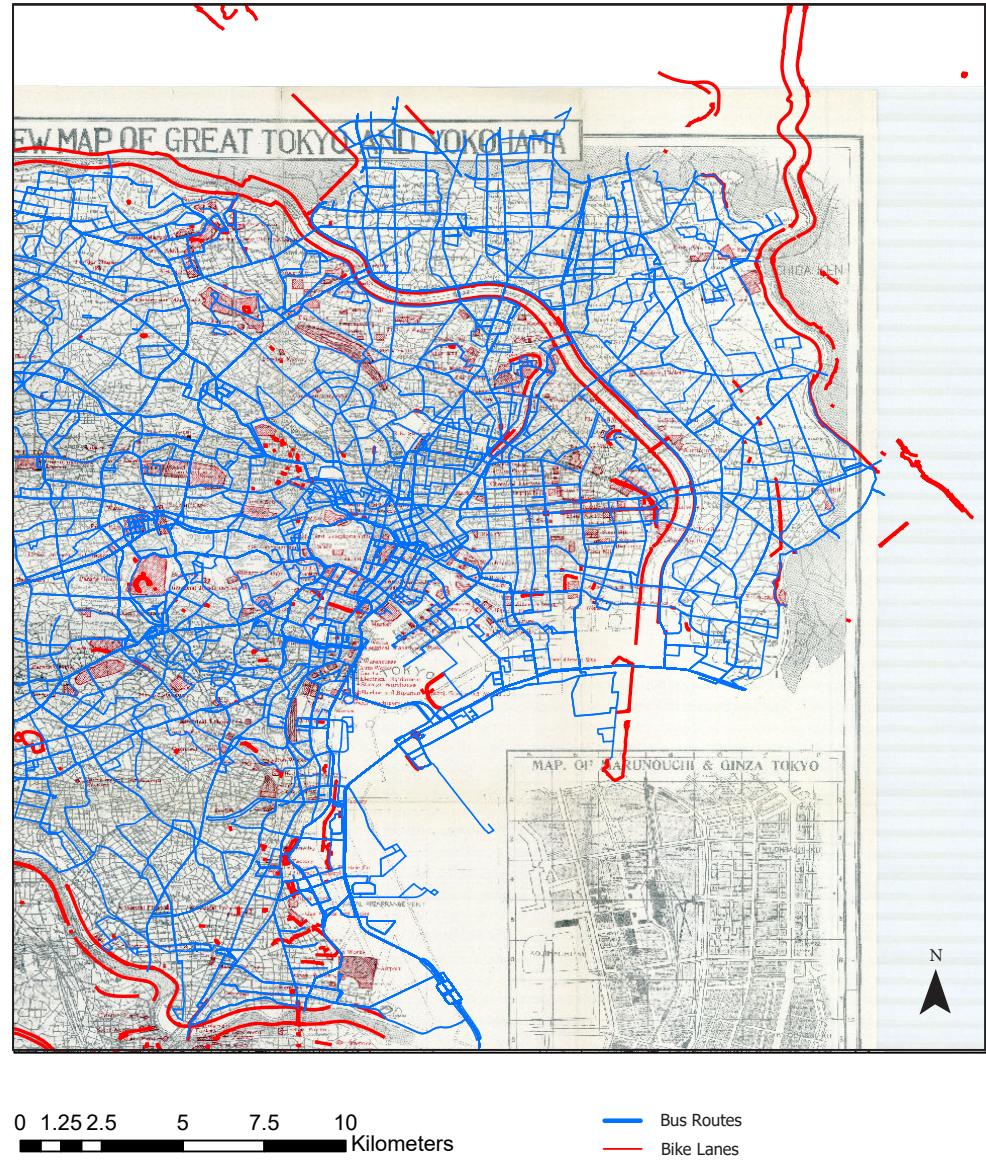


0 1.25 2.5 5 7.5 10 Kilometers

— Railroad Stations
— Railroad Routes

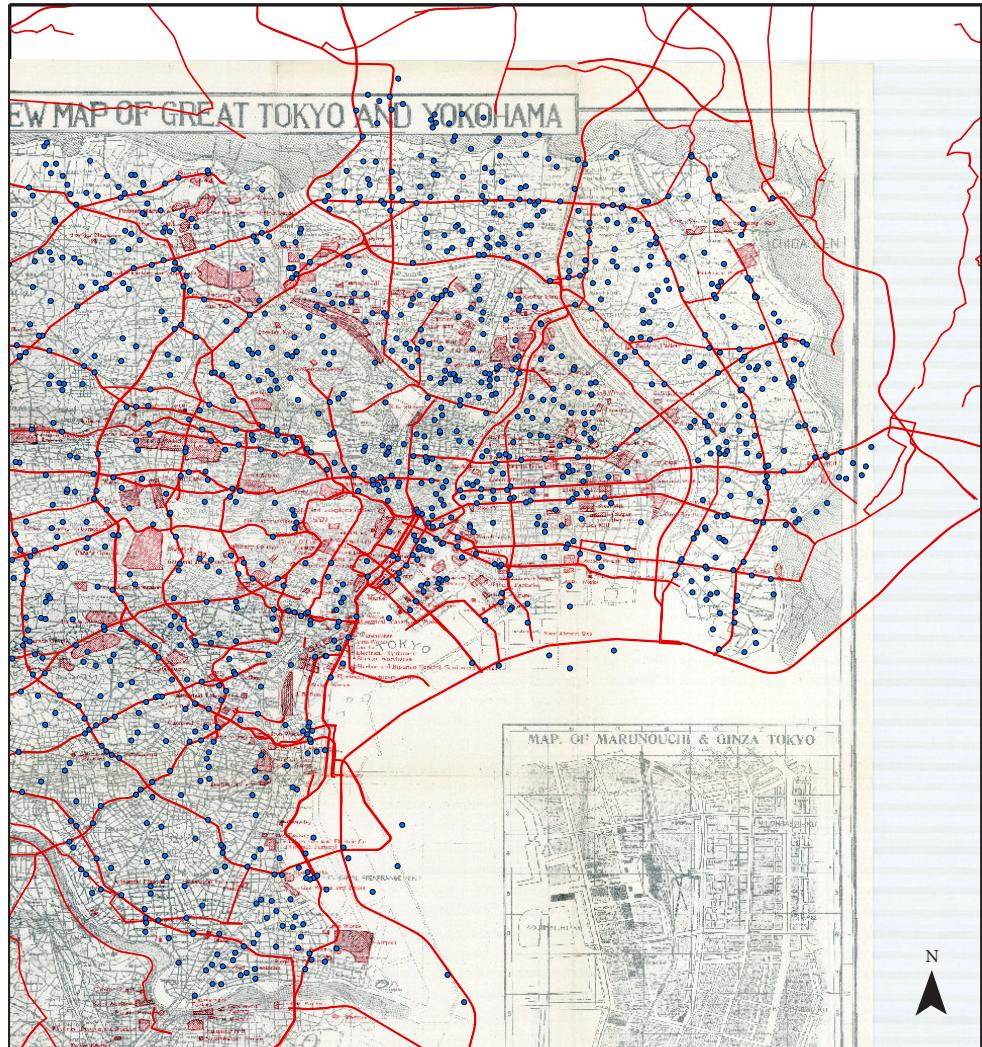
Map #2:

Bus Routes and Bike Lanes



Map #3:

Fuel Stations and Highway Routes



0 1.25 2.5 5 7.5 10 Kilometers

— Fuel Stations
— Highway Routes

Conclusion:

Through the mapping, we learned that many of the strategic infrastructures in 1934 were transformed into different programs and uses in today's Tokyo. Nonetheless, many of them are still important public spaces and can be seen through the transportation lines and hubs. Also, we also observed that many of today's roads/ rails can be related with previous paths in 1934. Through the mapping of the Railway system, Highway system and Inner city public transportation like bus and bike, we got a better understanding of Tokyo's traffic at various scales.

Contribution Statement:

Our team unanimously decided to **EVENLY distribute 10 points** to each of us, since every team member contributed to the final product.

All of our team members went to Pusey Library and collectively chose the map and preferred database topic. All team members discussed and agreed upon the direction of the project. The team worked in a collaborative fashion and ensured that each member had the adequate technical support for the assignment.

Each member also contributed to individual portions of the final assignment:

- Abdul-Razak Zachariah produced many test maps, shared geospatial data sources, and edited the maps on illustrator for consistency and aesthetics, as well as finding data that were used in the maps.
- Daniel Montoya produced many test maps, shared geospatial data sources, and produced Map #1.
- Le Yang produced many test maps and produced Map #2 and #3. He also led the administrative effort by organizing the documents under a shared drive.
- Esteban Garza Fishburn produced many test maps and drafted the final text that explained the purpose and conclusions of our assignment.

Map Source: Harvard Map Collection

Sources of Data:

- Open Street Map
- National Land Information Division, National Spatial Planning and Regional Policy Bureau, MLIT of Japan:
<https://nlftp.mlit.go.jp/ksj/index.html#koutsuu>

THANK YOU!