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# GIS SPECIALIST

PORTFOLIO

By Anisa Maulidina



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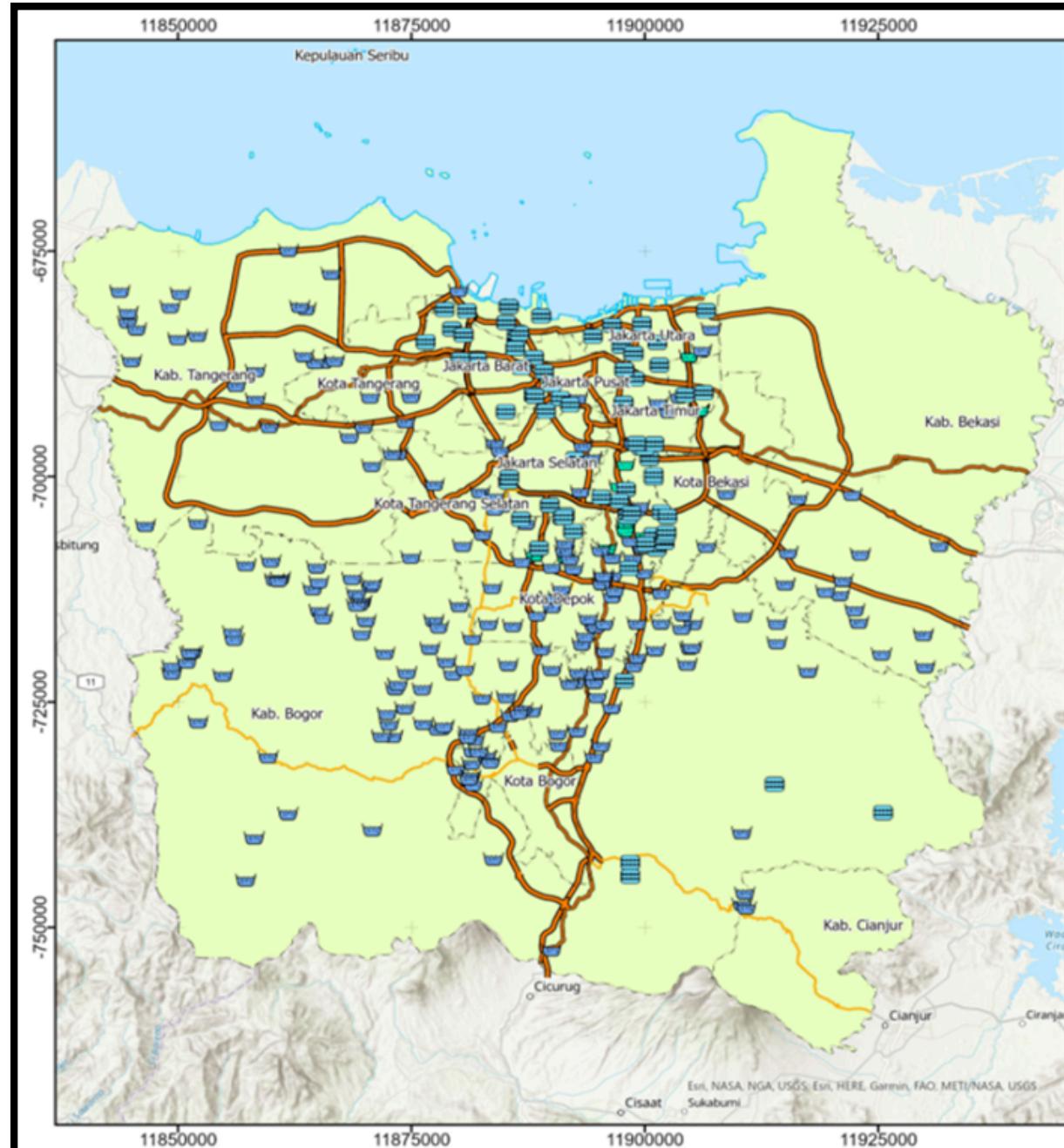
2025



# About Me

A professional with 5 years of experience in Geographic Information Systems (GIS) across both government and non-government sectors. Skilled in spatial analysis, mapping, and leveraging geospatial technology to support planning and decision-making. Committed to optimizing location-based data to drive efficiency, innovation, and sustainable development

# Inventorizing, Collecting and Digitalization



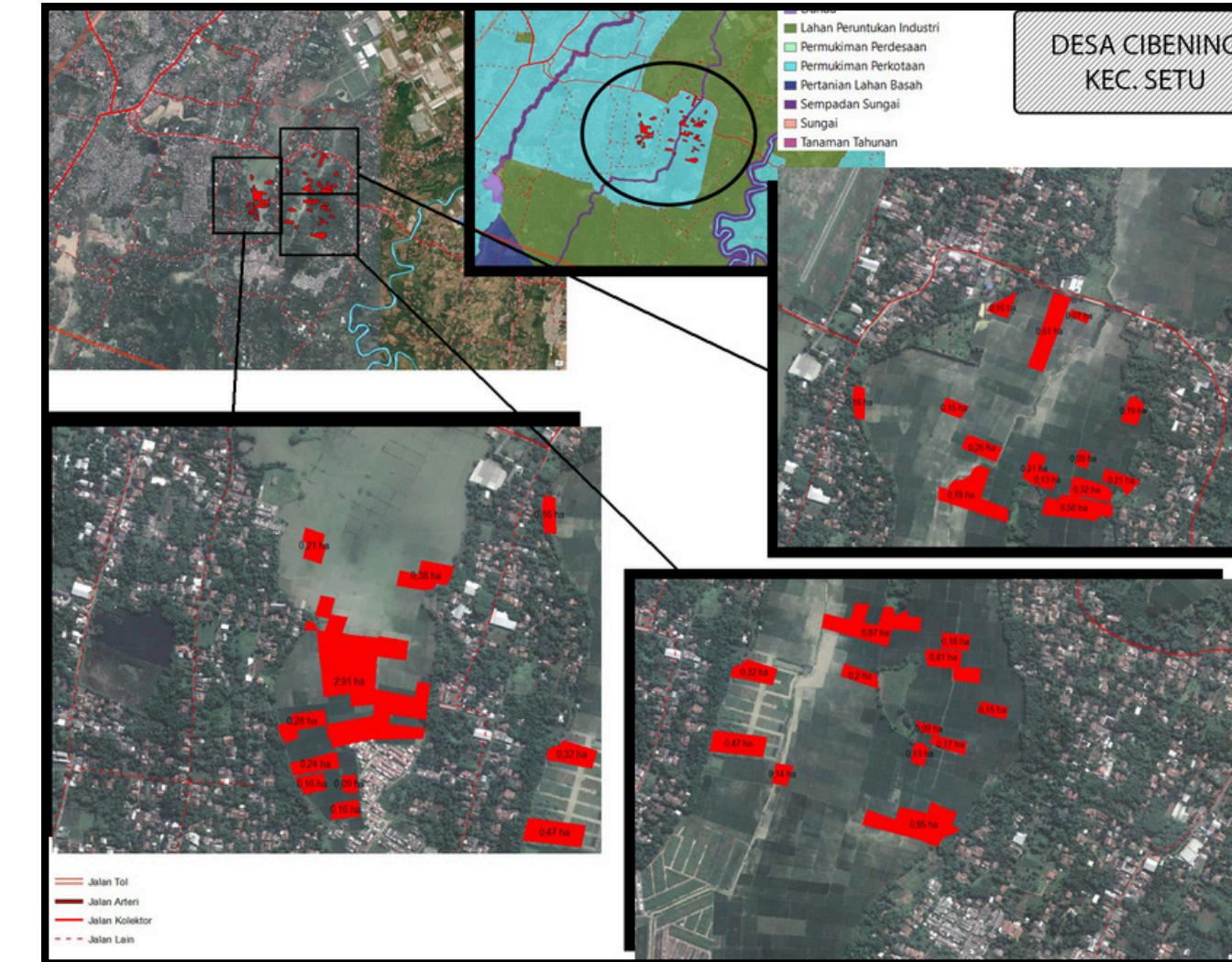
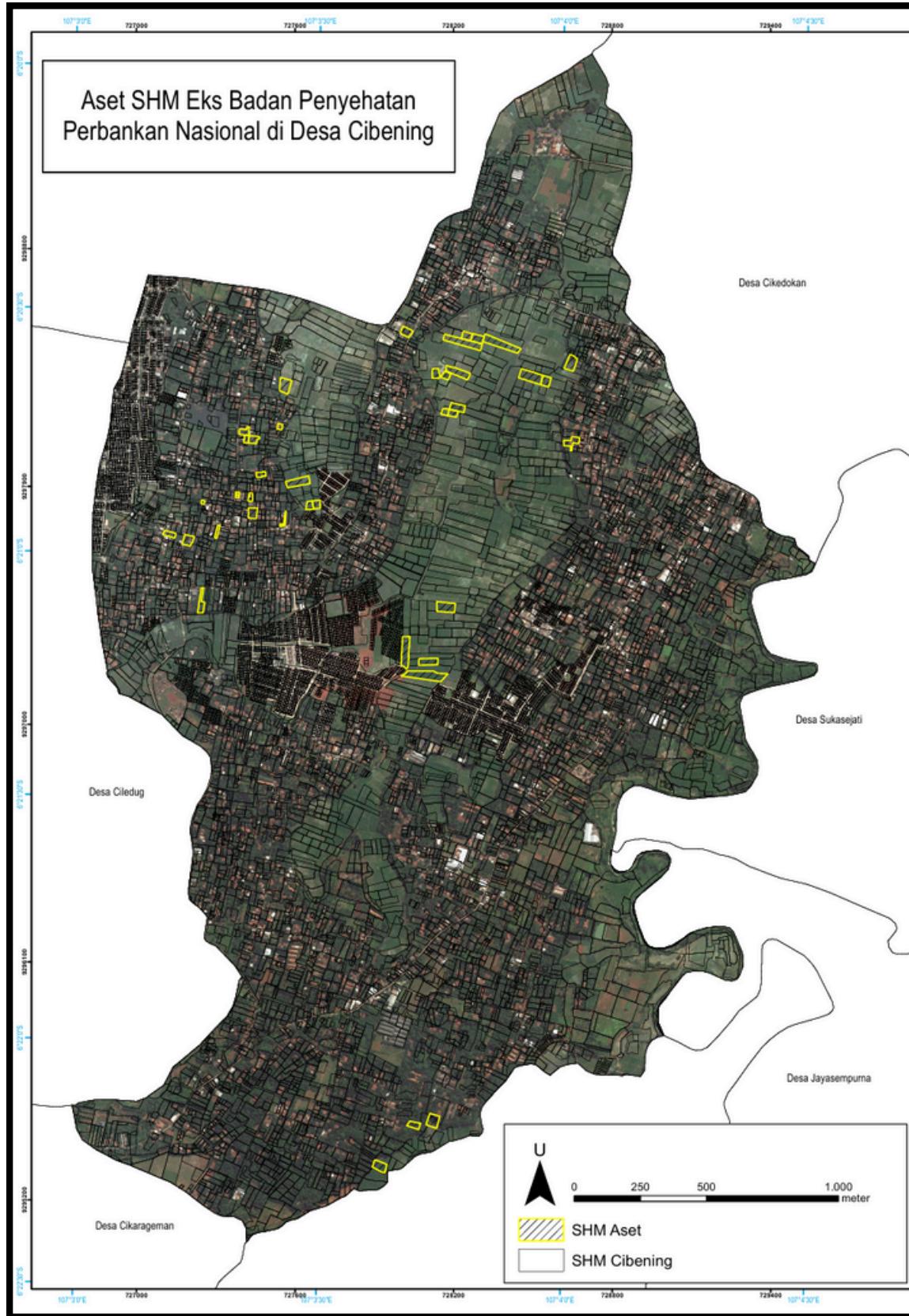
Distribution of 282 Lakes, Retention Basins, Ponds, and Reservoirs  
in the Jabodetabekpunjur Area.



<b>Lokasi</b>	Kelurahan Tegalalur, Kecamatan Kalideres
<b>Luas menurut Perpres 60/2020</b>	4,53 Ha
<b>Keterangan</b>	• Luas eksisting sama dengan luas Perpres 60/2020

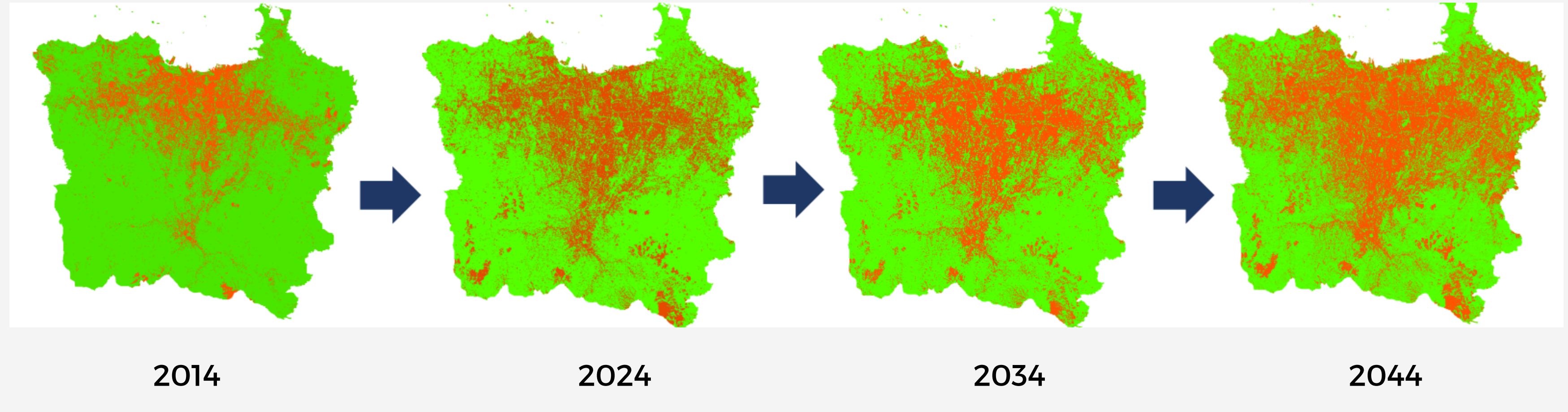
Conducting data collection, inventory, and digitization of state asset data in the form of lakes, retention basins, and reservoirs in the Jabodetabekpunjur area based on Presidential Regulation No. 60 of 2020, overlay analysis with ownership data. In addition to inventorying, I also collaborated with other sectors to align the names and areas of SDEW assets.

# Asset Inventory for Waste Processing Land Determination



In facilitating the development of a waste processing facility in Bekasi Regency, the PMO TKPR Jabodetabekpunjur was provided with several land plot options from assets seized in the BLBI case in Bekasi Regency for potential utilization. This initiative also serves as a pilot project for asset transfer cooperation through the Land Bank.

# Analysis of Future Land Use Change Prediction Using Cellular Automata



Massive built-up land growth occurred from 2014 to 2045. In 2014, the built-up land area was 119,482.2 hectares, accounting for approximately 16.8% of the total area of Jabodetabekpunjur. By 2045, the built-up land area increased to 32.65% of the total land area.

# Environmental Management in Puncak Area

PMO Jabodetabek-punjur



In 2022, as a GIS Analyst and project leader for Environmental Management in the Upstream Area (Puncak Bogor), the areas that were the focus of environmental management by the PMO Jabodetabekpunjur coordination team included Puncak, Leuwiliang, and Bojongkoneng in Bogor Regency.

# Land Movement in the Puncak Area

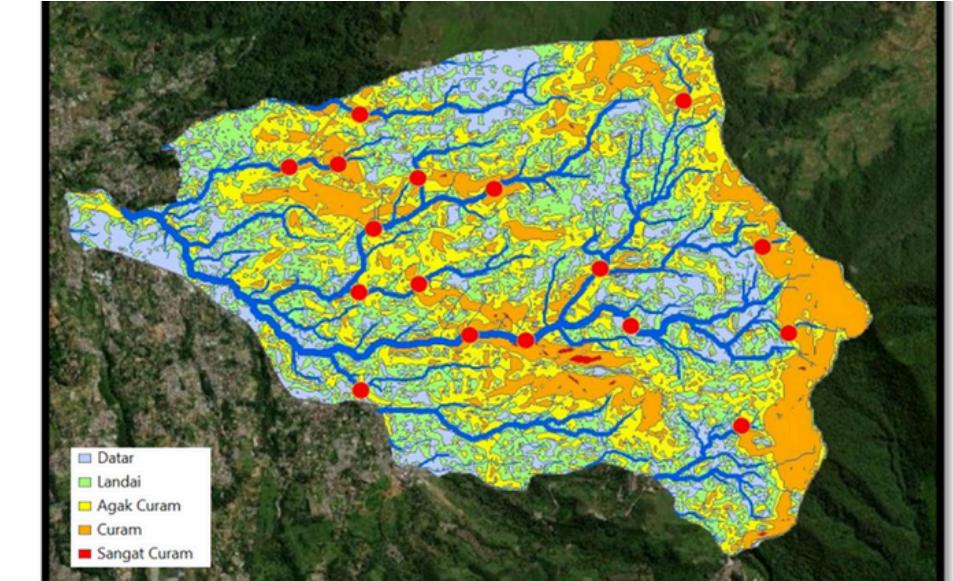


Observation of erosion rates at landslide-prone points to determine soil erosivity.



After receiving reports from local residents regarding land movement, the PMO Jabodetabekpunjur team conducted a survey and field validation.

Providing technical recommendations together with BBWSCC for landslide and flash flood mitigation and prevention.



Landslide Hazard Analysis Map. Spatial analysis was conducted using parameters such as river flow, slope gradient, contours, the Landslide Susceptibility Zone Map, and the RBI Settlement Map. This analysis aims to identify landslide-prone areas.



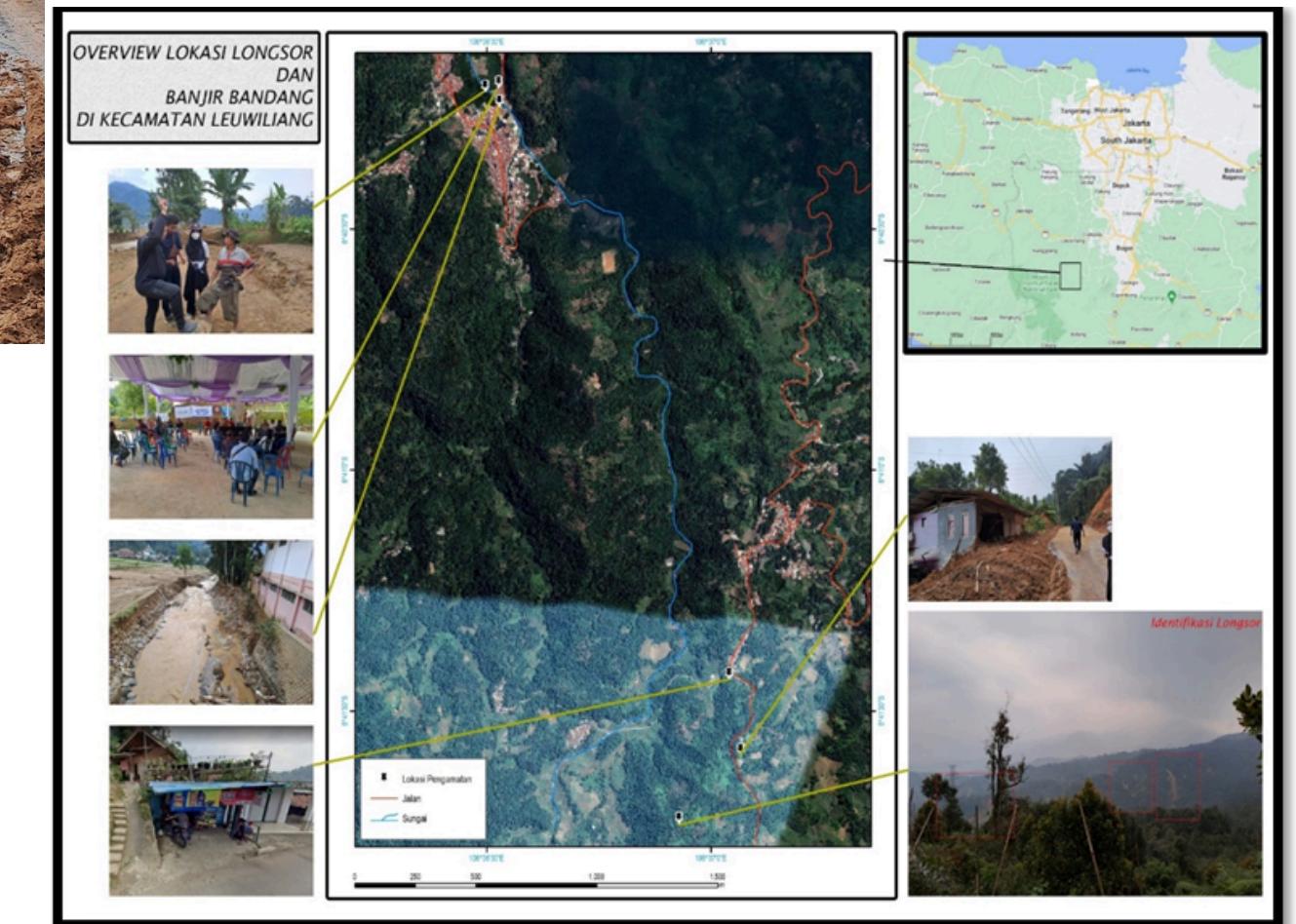


# Land Movement in Bojongkoneng

The PMO TKPR Jabodetabekpunjur team conducted an on-site inspection of the land movement incident to identify its causes and develop mitigation recommendations in collaboration with the relevant agencies.

# Landslides and Flash Floods in Leuwiliang District

Conducting observations on the causes of disasters, coordinating with local government and academia, and providing technical recommendations.



Map of Landslide and Flash Flood Disaster Survey Results in Leuwiliang

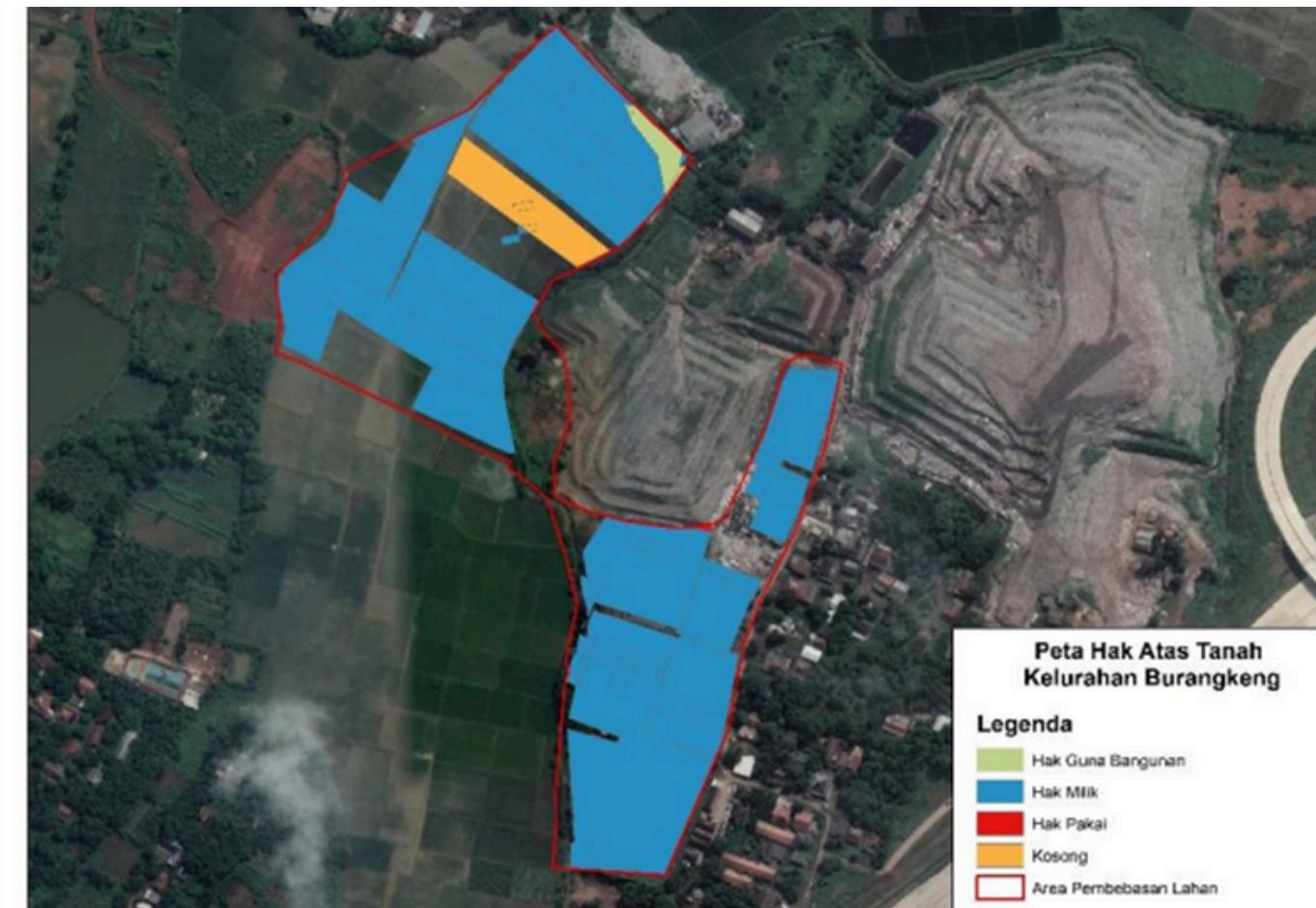
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# Waste Management

As a GIS Analyst, I actively support other working teams by providing geospatial data, such as creating survey maps and other necessary maps for field observations.



Waste Survey at Bantar Gebang Landfill

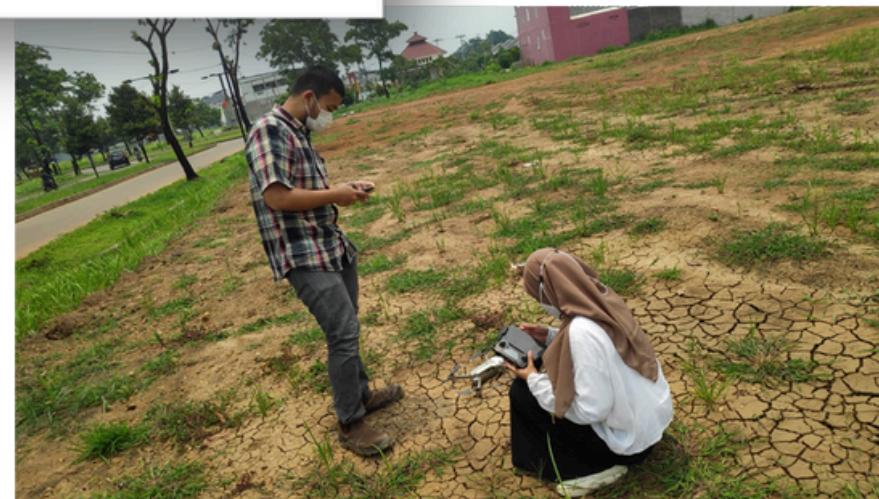
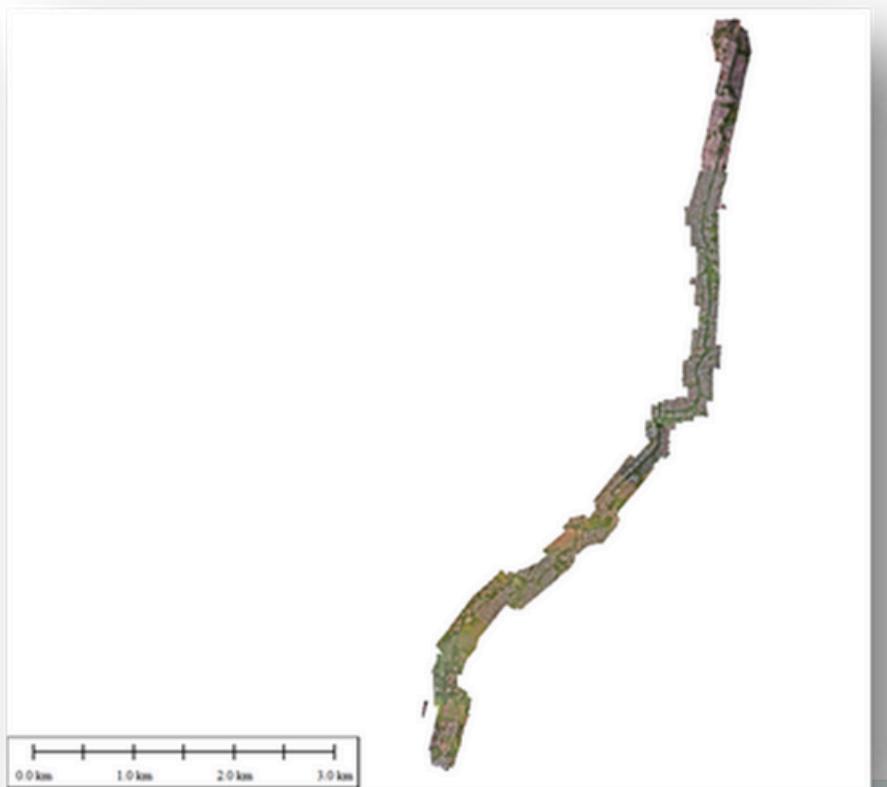
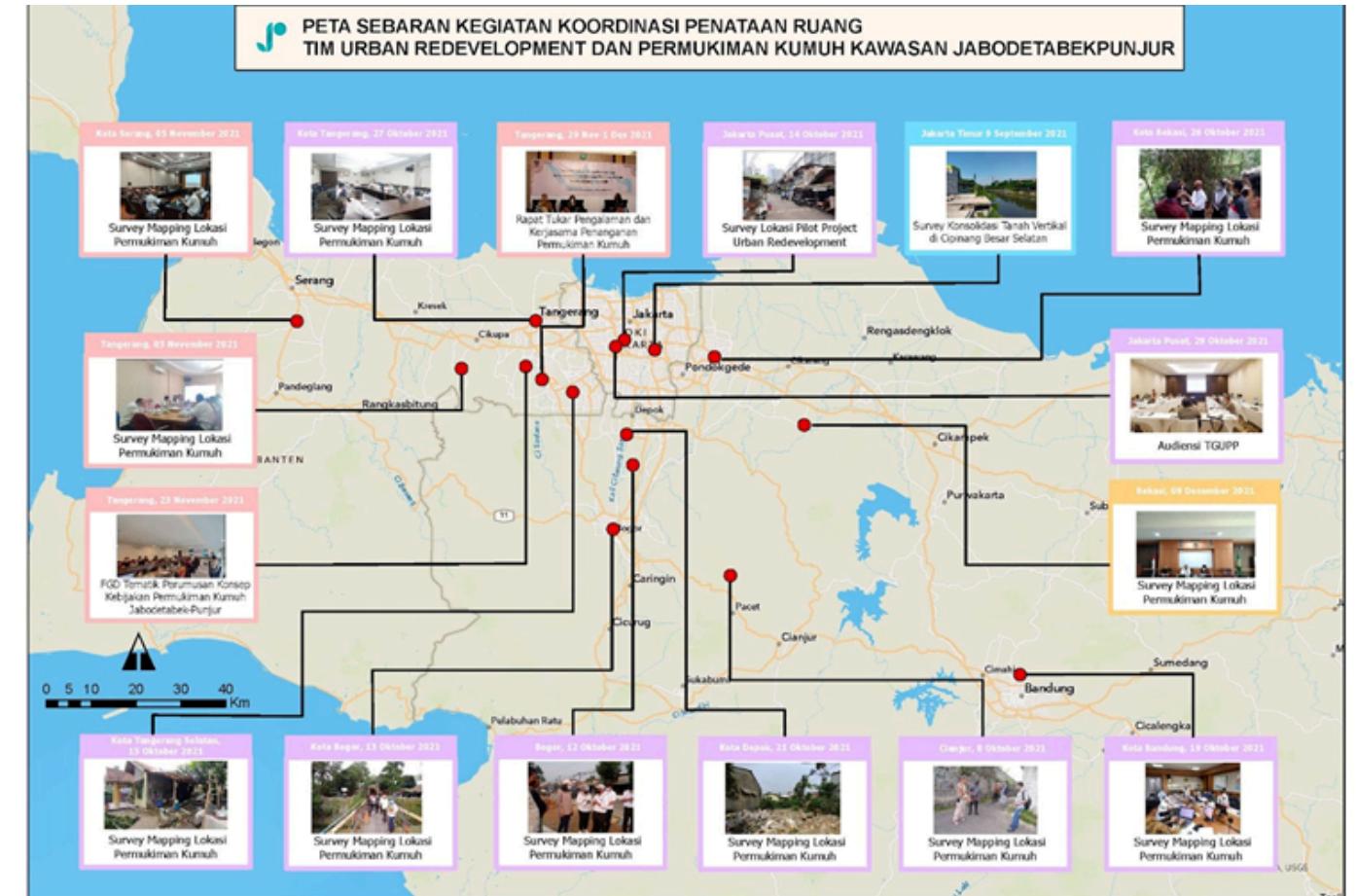


Land Ownership Map in the Bantar Gebang Landfill Area

The Bantar Gebang landfill has exceeded its capacity. Therefore, an innovative waste management solution is needed to prevent continuous waste accumulation at Bantar Gebang. The PMO TKPR Jabodetabekpunjur team recommends implementing Refuse Derived Fuel (RDF) waste processing.

# GIS SUPPORT

PMO TKPR Jabodetabek-punjur, 2021

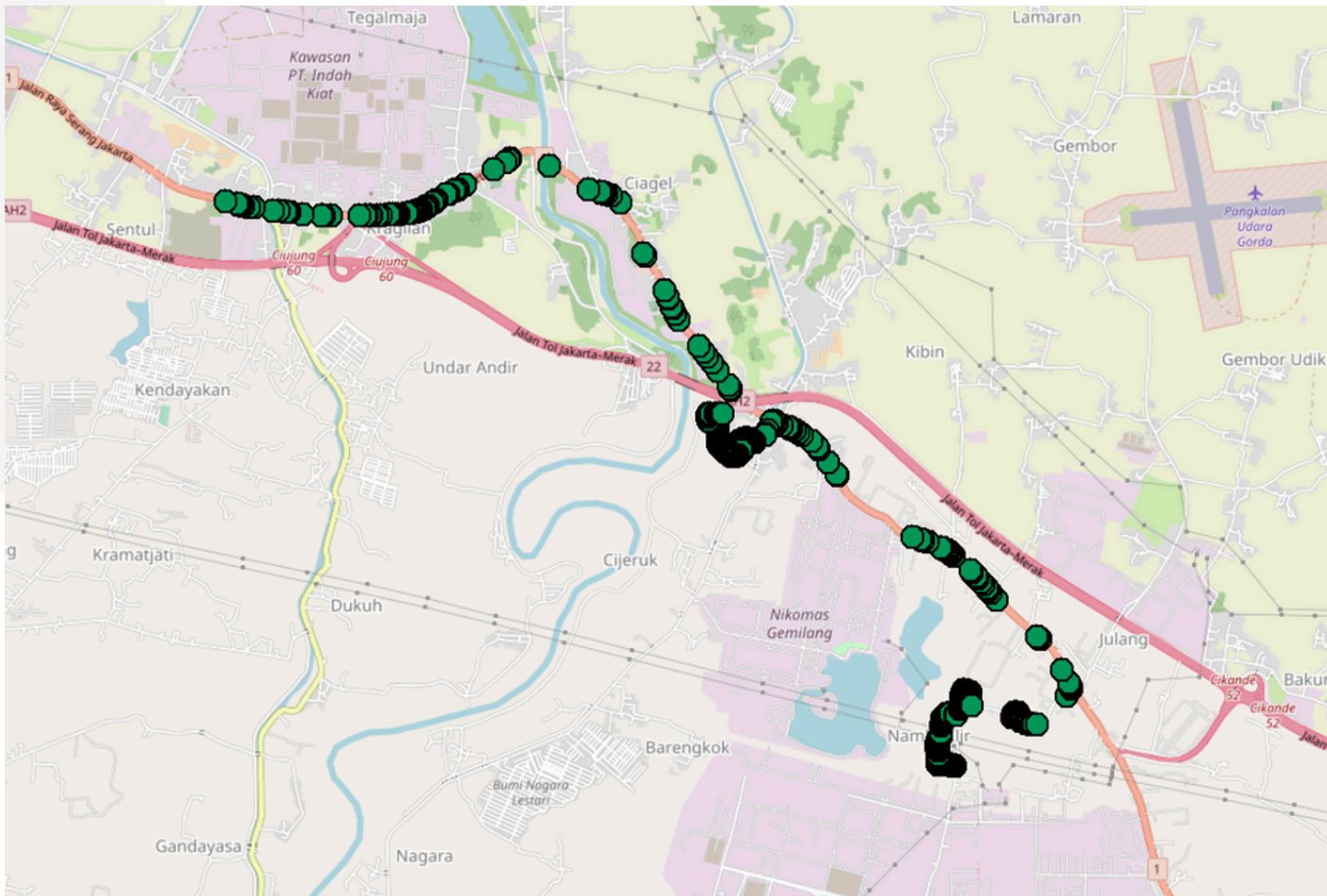


# Mapping Strategic Issues in the Urban Area of Jabodetabekpunjur

Aerial Mapping of Situ Cijambe Using a Drone. The purpose of this mapping is to identify physical changes in Situ Cijambe, whether caused by sedimentation or river channel narrowing.

# DATA VALIDATOR GRAB

2021



Conducting Quality Control (QC) on Point of Interest (POI) data for GRAB Indonesia collected by field surveyors. The quality control process includes verifying the accuracy of address formatting based on GRAB ID standards.

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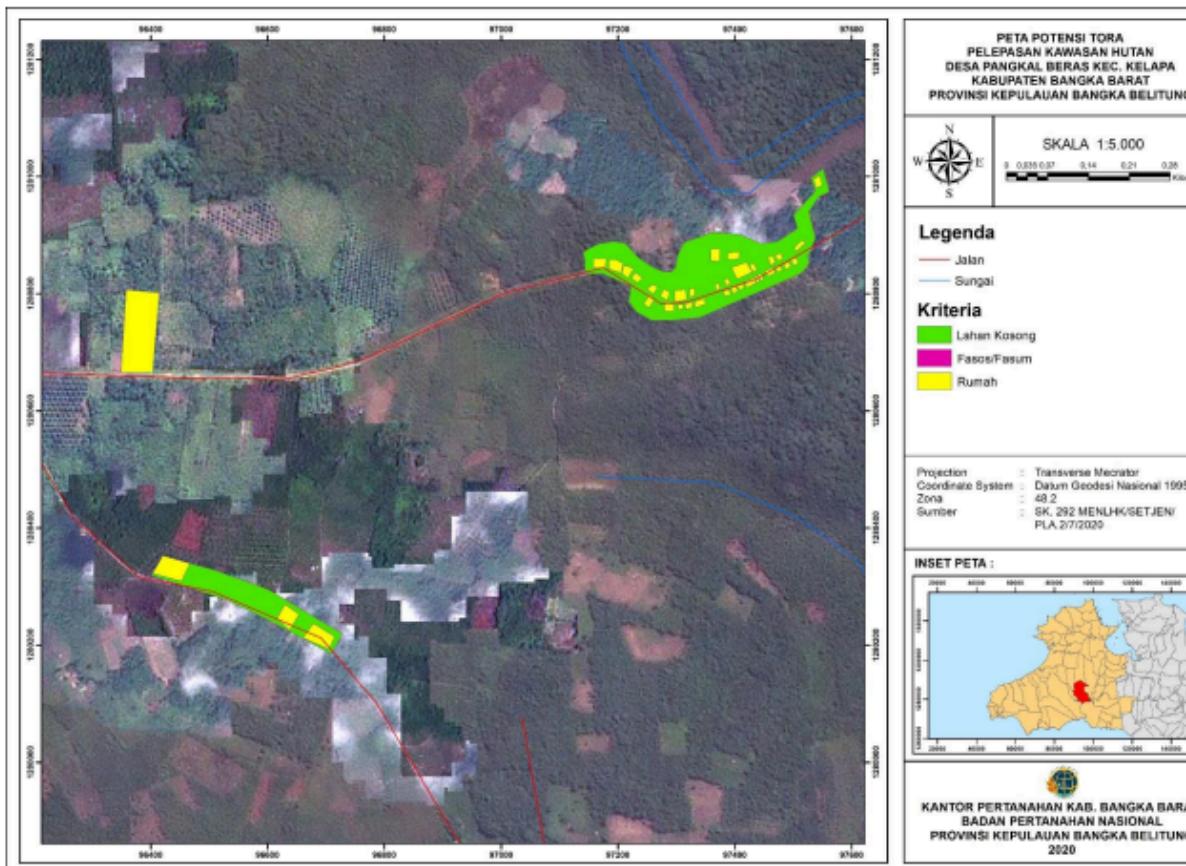
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# GTRA (Gugus Tugas Reforma Agraria)

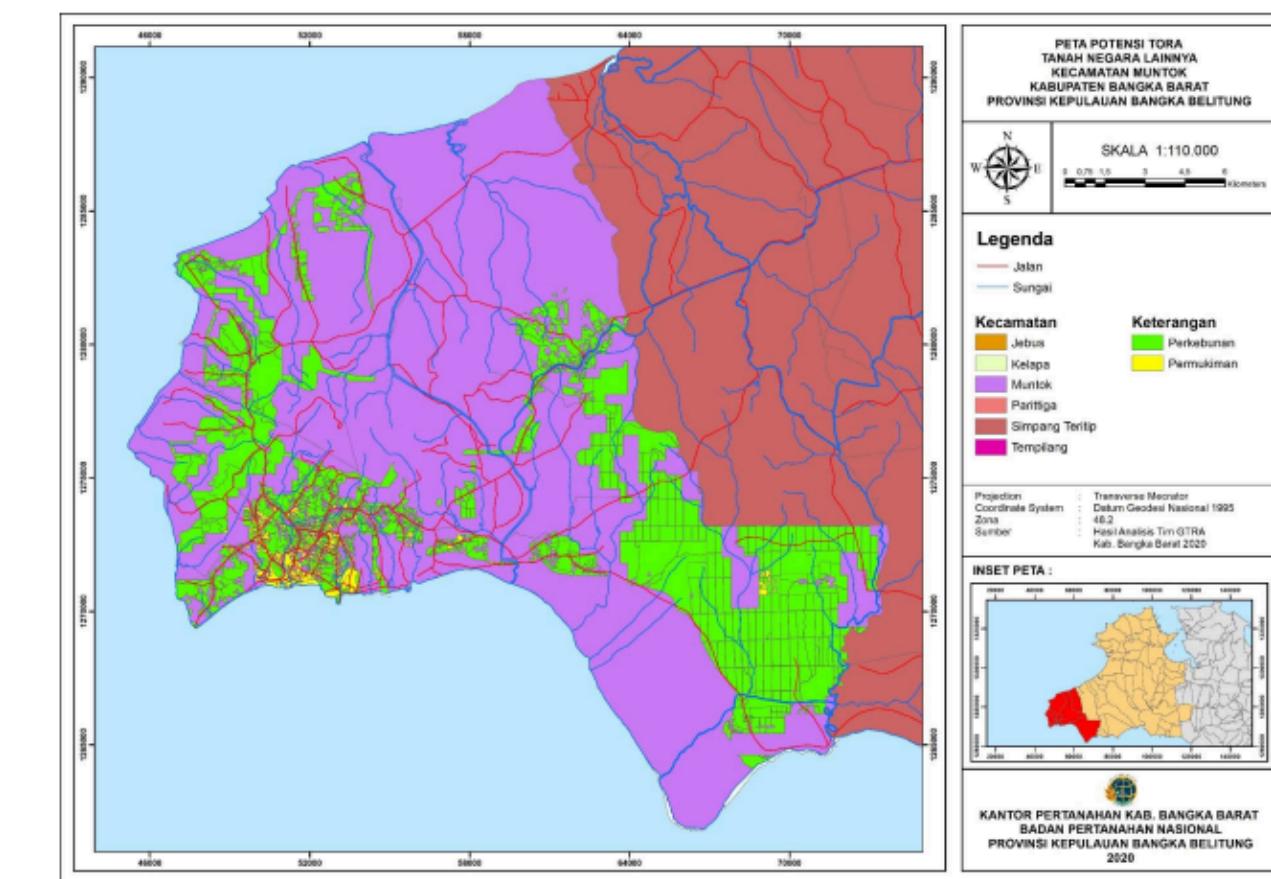
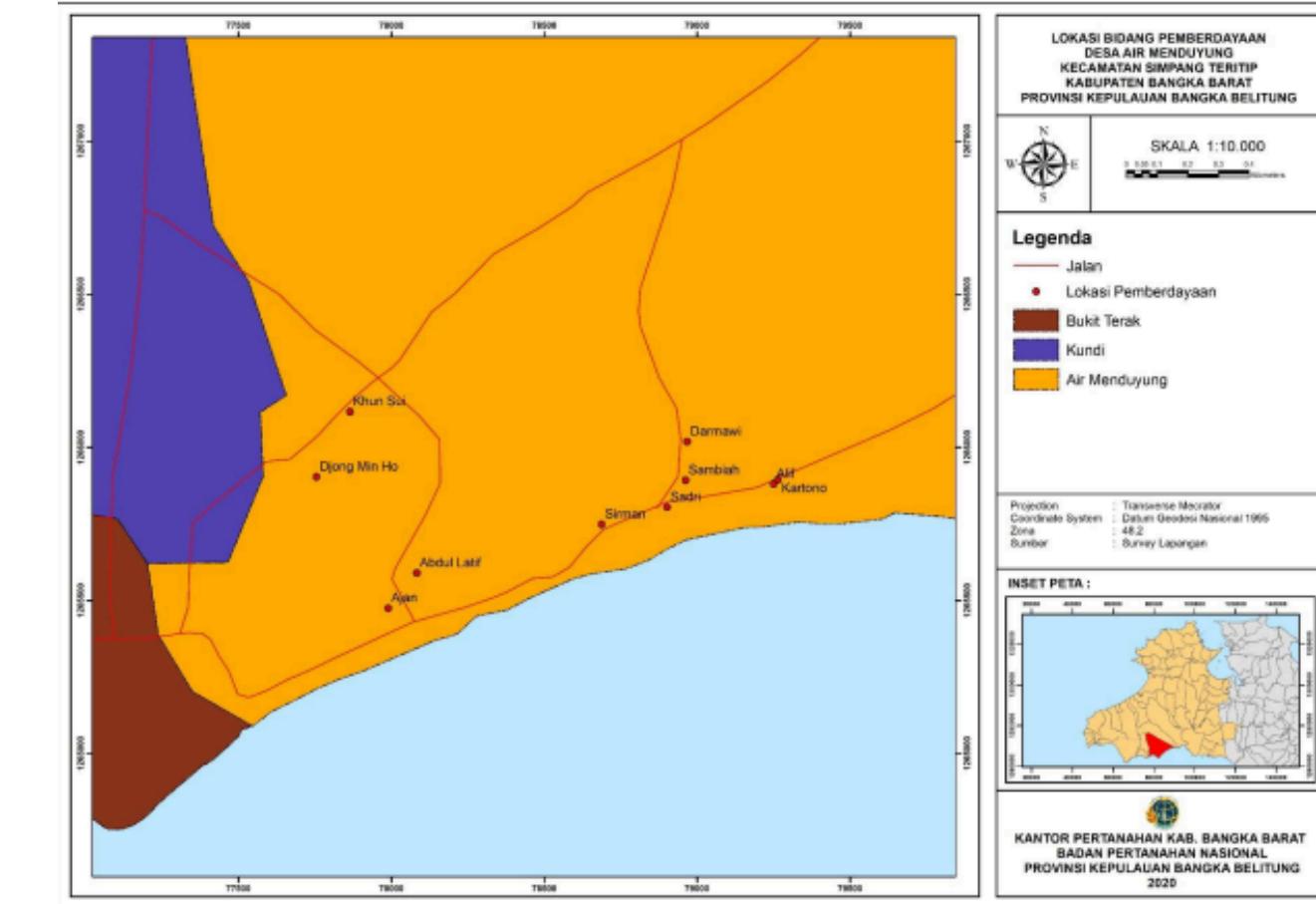
Kantah Bangka Barat, 2020

## Job Description:

- Conducting inventory, identification, processing, updating, and mapping of TORA (Agrarian Reform Land Objects).
- Analyzing land feasibility to determine its suitability as a TORA object.



Map of TORA Potential for Forest Area Release in Kelabat 1 Village,  
Parittiga District



Map of the Distribution of Empowerment Object Locations

2025