

CloudClearing Weekly Monitoring Report

Report Date:	October 05, 2025
Analysis Period:	2025-09-28 to 2025-10-05
Regions Monitored:	11
Analysis Confidence:	MEDIUM

EXECUTIVE SUMMARY

Market Status: ■ WEAK MARKET - Limited opportunities detected

Total Changes Detected:	190,556
Total Area Changed:	40,203.2 hectares
Critical Alerts:	18
Investment Opportunities:	0

MONITORING RESULTS

Most Active Regions:

Region	Changes	Area (hectares)
Jakarta North Sprawl	12,338	17988.2

INVESTMENT OPPORTUNITIES

INVESTMENT OPPORTUNITIES / SATELLITE IMAGERY

Investment Methodology: Our analysis combines satellite-detected land use changes with market intelligence and infrastructure data. Each region receives an **investment score (0-100)** based on: **(1) Development Activity** - volume and pace of land use changes detected via satellite, **(2) Infrastructure Quality** - proximity to major roads, ports, airports, and active construction projects, **(3) Market Dynamics** - property price trends and real estate market heat.

Confidence Levels: Each score includes a confidence percentage (20-90%) that reflects data completeness. Higher confidence means we have real-time market data, detailed infrastructure analysis, and high-quality satellite imagery. Lower confidence means we're relying primarily on satellite-detected changes with limited market/infrastructure data. Typical confidence is 40-60% during early analysis phases.

Imagery Notes: Satellite imagery shows before/after comparisons where available. NDVI (vegetation index) maps highlight **vegetation loss (red)** indicating land clearing for potential construction sites, and **vegetation gain (green)** showing revegetation.

■ Jakarta North Sprawl - Investment Score: 34.5/100 (71% confidence)

Development Activity: 12,338 land use changes detected across 17988.2 hectares

Key Investment Factors:

- Excellent infrastructure access (100/100)

Score Composition:

- Market momentum: 7.5% price trend
- Infrastructure: 100/100 quality rating
- Development activity: 12,338 satellite-detected changes

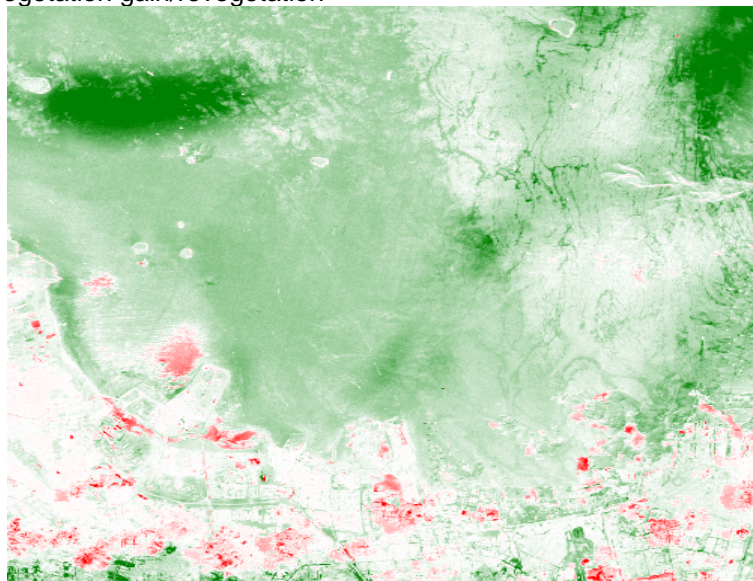
Confidence Breakdown (71%):

- ■ Satellite imagery: High-resolution change detection active
- ■■ Market data: API unavailable - using neutral baseline (0% trend)
- ■■ Infrastructure data: API unavailable - using neutral baseline (50/100)

High confidence - comprehensive data across all sources

Note: Satellite imagery unavailable for this period. Analysis based on statistical change detection.

Vegetation Change Analysis (NDVI): Red = vegetation loss/land clearing (potential construction sites), Green = vegetation gain/revegetation



■ Complete Regional Analysis

Region	Changes	Area (ha)	Score	Investment Notes	Period
Jakarta North Sprawl	12,338	17988.2	34.5/100	Watch (71% confidence)	June 23-30, 2025
Yogyakarta Urban	5,528	1248.6	N/A	Not scored	June 23-30, 2025
Yogyakarta Periurban	39,948	5255.1	N/A	Not scored	June 23-30, 2025
Sleman North	39,038	4248.6	N/A	Not scored	June 23-30, 2025
Bantul South	11,705	1363.0	N/A	Not scored	June 23-30, 2025
Kulonprogo West	38,653	5067.4	N/A	Not scored	June 23-30, 2025
Gunungkidul East	22,724	2272.2	N/A	Not scored	June 23-30, 2025
Magelang Corridor	11,300	1294.5	N/A	Not scored	June 23-30, 2025
Solo Expansion	9,309	1464.5	N/A	Not scored	June 23-30, 2025

Semarang Industrial	0	0.0	N/A	Not scored	June 23-30, 2025
Surakarta Suburbs	13	1.1	N/A	Not scored	June 23-30, 2025

■ REGIONAL BREAKDOWN

Yogyakarta Region Details:

Jakarta North Sprawl

Changes: 12,338 | Area: 17988.2 ha | Density: 0.7 changes/ha

■ **Satellite Imagery Available:** Before (Unknown) | After (Unknown)

Note: High-resolution satellite images saved to output/satellite_images/weekly/

■ CRITICAL ALERTS

Critical Alerts (18):

- Critical: 12338 changes detected in jakarta_north_sprawl
- Critical: 17988.2 hectares changed in jakarta_north_sprawl
- Critical: 5528 changes detected in yogyakarta_urban
- Critical: 1248.6 hectares changed in yogyakarta_urban
- Critical: 39948 changes detected in yogyakarta_periurban
- Critical: 5255.1 hectares changed in yogyakarta_periurban
- Critical: 39038 changes detected in sleman_north
- Critical: 4248.6 hectares changed in sleman_north
- Critical: 11705 changes detected in bantul_south
- Critical: 1363.0 hectares changed in bantul_south