

■■■ CloudClearing Weekly Monitoring Report

Report Date:	October 11, 2025
Analysis Period:	2025-10-04 to 2025-10-11
Regions Monitored:	10
Analysis Confidence:	MEDIUM

■ EXECUTIVE SUMMARY

Market Status: ■ STRONG MARKET - Multiple high-conviction opportunities

Total Changes Detected:	315,324
Total Area Changed:	36,750.5 hectares
Critical Alerts:	16
Investment Opportunities:	7

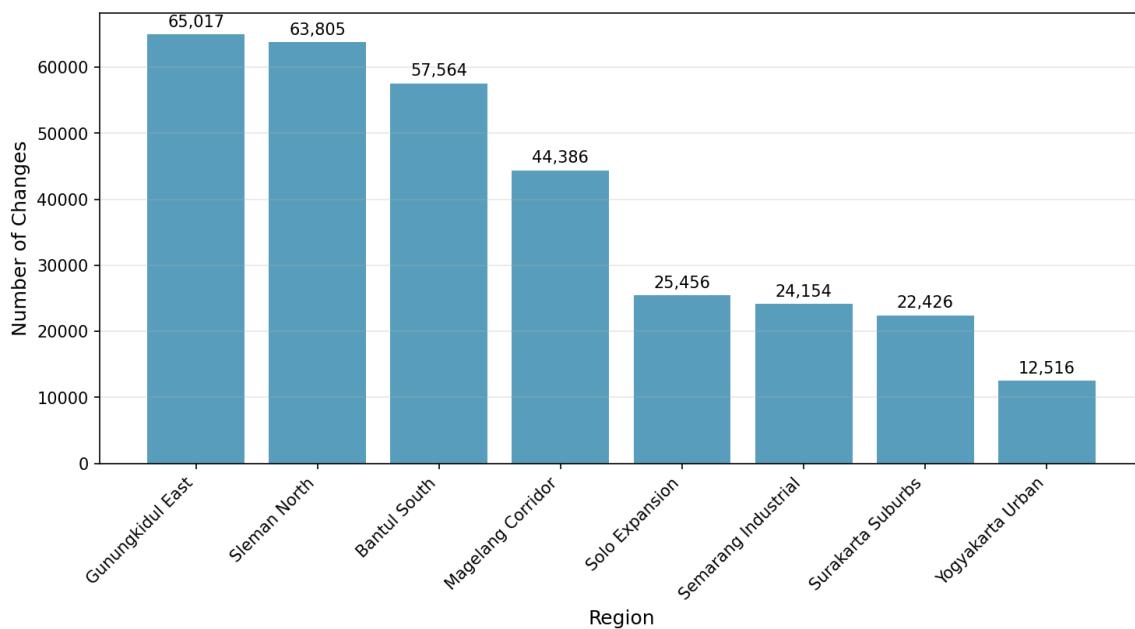
■ MONITORING RESULTS

Most Active Regions:

Region	Changes	Area (hectares)
Gunungkidul East	65,017	6043.2
Sleman North	63,805	8633.8
Bantul South	57,564	5877.1
Magelang Corridor	44,386	5380.5
Solo Expansion	25,456	2616.1

Regional Activity Overview:

Top Regions by Change Activity



■ INVESTMENT OPPORTUNITIES

■ **TOP OPPORTUNITY: SLEMAN_NORTH (48.7/100, yogyakarta_region)**

■ Top Investment Opportunities:

Region	Score	Confidence	Investment Intelligence
Sleman North	48.7/100	79%	Stable market (+2.1%) <ul style="list-style-type: none"> • Massive development: 63,805 changes detected • Excellent infrastructure (Score: 100)
Magelang Corridor	42.6/100	79%	Positive price trend (+6.8%) <ul style="list-style-type: none"> • Massive development: 44,386 changes detected • Excellent infrastructure (Score: 100)
Solo Expansion	42.6/100	79%	Positive price trend (+6.8%) <ul style="list-style-type: none"> • High development: 25,456 changes detected • Excellent infrastructure (Score: 100)
Surakarta Suburbs	42.6/100	79%	Positive price trend (+5.9%) <ul style="list-style-type: none"> • High development: 22,426 changes detected • Excellent infrastructure (Score: 100) • Warming market - Growing interest
Bantul South	41.4/100	79%	Price correction (-0.1%) <ul style="list-style-type: none"> • Massive development: 57,564 changes detected • Excellent infrastructure (Score: 100) • Buyer's market - Good entry point

■ 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.

■ BUY - Sleman North - Investment Score: 48.7/100 (79% confidence)

Development Activity: 63,805 land use changes detected across 8633.8 hectares

Change Type Breakdown:

- Urban conversion (agriculture → urban): 30,345 sites (47.6%)
- Construction activity (bare → built): 20,147 sites (31.6%)
- Other significant changes: 10,065 sites (15.8%)
- Land clearing (vegetation → bare earth): 2,339 sites (3.7%)
- Urban densification (expansion): 909 sites (1.4%)

Key Investment Factors:

- Excellent infrastructure access (100/100)

Score Composition:

- Market momentum: 2.1% price trend
- Infrastructure: 100/100 quality rating
- Development activity: 63,805 satellite-detected changes

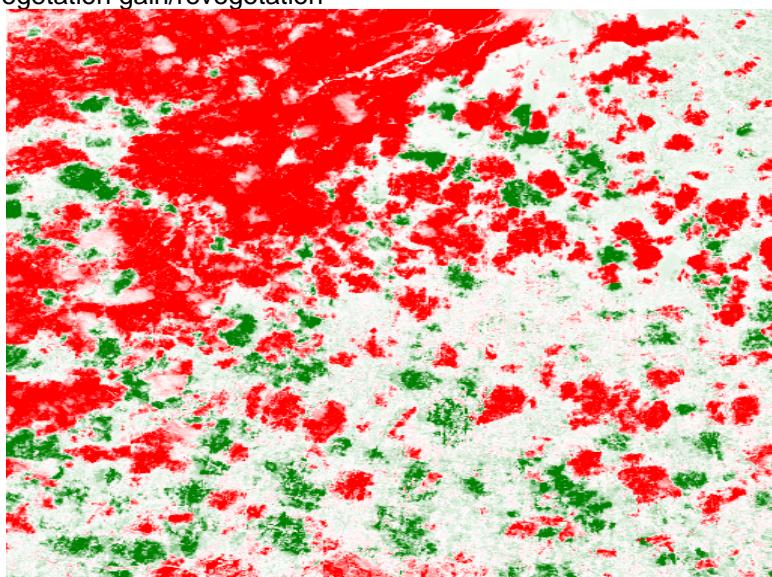
Confidence Breakdown (79%):

- ■ 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



■ BUY - Magelang Corridor - Investment Score: 42.6/100 (79% confidence)

Development Activity: 44,386 land use changes detected across 5380.5 hectares

Change Type Breakdown:

- Urban conversion (agriculture → urban): 22,229 sites (50.1%)
- Construction activity (bare → built): 14,355 sites (32.3%)
- Other significant changes: 6,551 sites (14.8%)
- Land clearing (vegetation → bare earth): 845 sites (1.9%)
- Urban densification (expansion): 406 sites (0.9%)

Key Investment Factors:

- Excellent infrastructure access (100/100)

Score Composition:

- Market momentum: 6.8% price trend
- Infrastructure: 100/100 quality rating
- Development activity: 44,386 satellite-detected changes

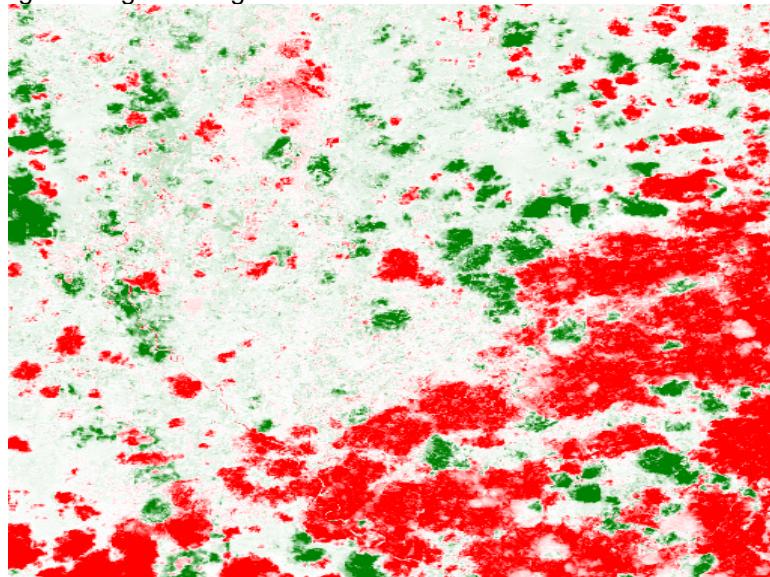
Confidence Breakdown (79%):

- ■ 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



■ BUY - Solo Expansion - Investment Score: 42.6/100 (79% confidence)

Development Activity: 25,456 land use changes detected across 2616.1 hectares

Change Type Breakdown:

- Urban conversion (agriculture → urban): 12,953 sites (50.9%)
- Construction activity (bare → built): 8,095 sites (31.8%)
- Other significant changes: 3,658 sites (14.4%)
- Land clearing (vegetation → bare earth): 408 sites (1.6%)
- Urban densification (expansion): 342 sites (1.3%)

Key Investment Factors:

- Excellent infrastructure access (100/100)

Score Composition:

- Market momentum: 6.8% price trend
- Infrastructure: 100/100 quality rating
- Development activity: 25,456 satellite-detected changes

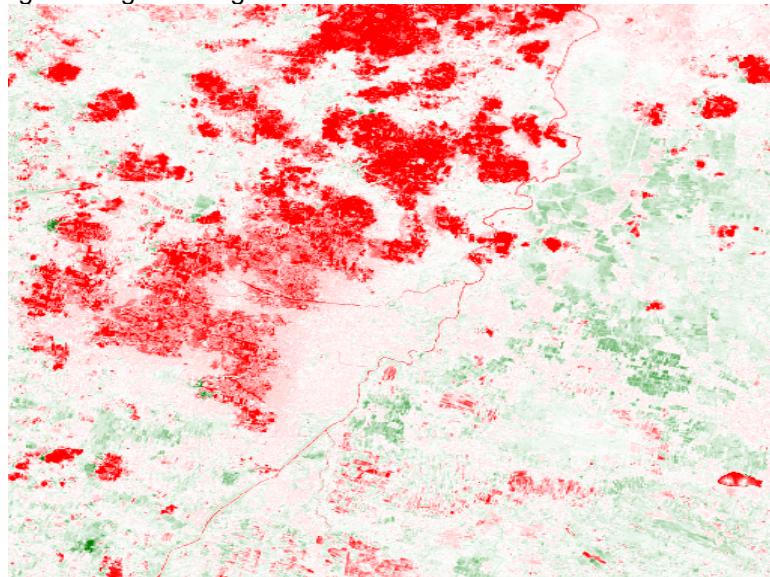
Confidence Breakdown (79%):

- ■ 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
Gunungkidul East	65,017	6043.2	41.4/100	Buy (79% confidence)	June 23-30, 2025
Semarang Industrial	24,154	4700.2	40.5/100	Buy (79% confidence)	June 23-30, 2025
Yogyakarta Urban	12,516	1086.4	31.0/100	Watch (79% confidence): Price declining (-0.8%)	June 23-30, 2025
Yogyakarta Periurban	0	0.0	6.1/100	Pass (79% confidence): Very low activity, Small area	June 23-30, 2025
Kulonprogo West	0	0.0	6.1/100	Pass (79% confidence): Very low activity, Small area	June 23-30, 2025

■ REGIONAL BREAKDOWN

Yogyakarta Region Details:

Gunungkidul East

Changes: 65,017 | Area: 6043.2 ha | Density: 10.8 changes/ha

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

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

Sleman North

Changes: 63,805 | Area: 8633.8 ha | Density: 7.4 changes/ha

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

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

Bantul South

Changes: 57,564 | Area: 5877.1 ha | Density: 9.8 changes/ha

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

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

Magelang Corridor

Changes: 44,386 | Area: 5380.5 ha | Density: 8.2 changes/ha

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

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

Solo Expansion

Changes: 25,456 | Area: 2616.1 ha | Density: 9.7 changes/ha

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

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

Semarang Industrial

Changes: 24,154 | Area: 4700.2 ha | Density: 5.1 changes/ha

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

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

Surakarta Suburbs

Changes: 22,426 | Area: 2413.0 ha | Density: 9.3 changes/ha

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

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

Yogyakarta Urban

Changes: 12,516 | Area: 1086.4 ha | Density: 11.5 changes/ha

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

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

■ CRITICAL ALERTS

Critical Alerts (16):

- Critical: 12516 changes detected in yogyakarta_urban
- Critical: 1086.4 hectares changed in yogyakarta_urban
- Critical: 63805 changes detected in sleman_north
- Critical: 8633.8 hectares changed in sleman_north
- Critical: 57564 changes detected in bantul_south
- Critical: 5877.1 hectares changed in bantul_south
- Critical: 65017 changes detected in gunungkidul_east
- Critical: 6043.2 hectares changed in gunungkidul_east
- Critical: 44386 changes detected in magelang_corridor
- Critical: 5380.5 hectares changed in magelang_corridor

Generated by CloudClearing Automated Monitor | Report Date: 2025-10-18 21:58 | © 2025 CloudClearing Intelligence