

# 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

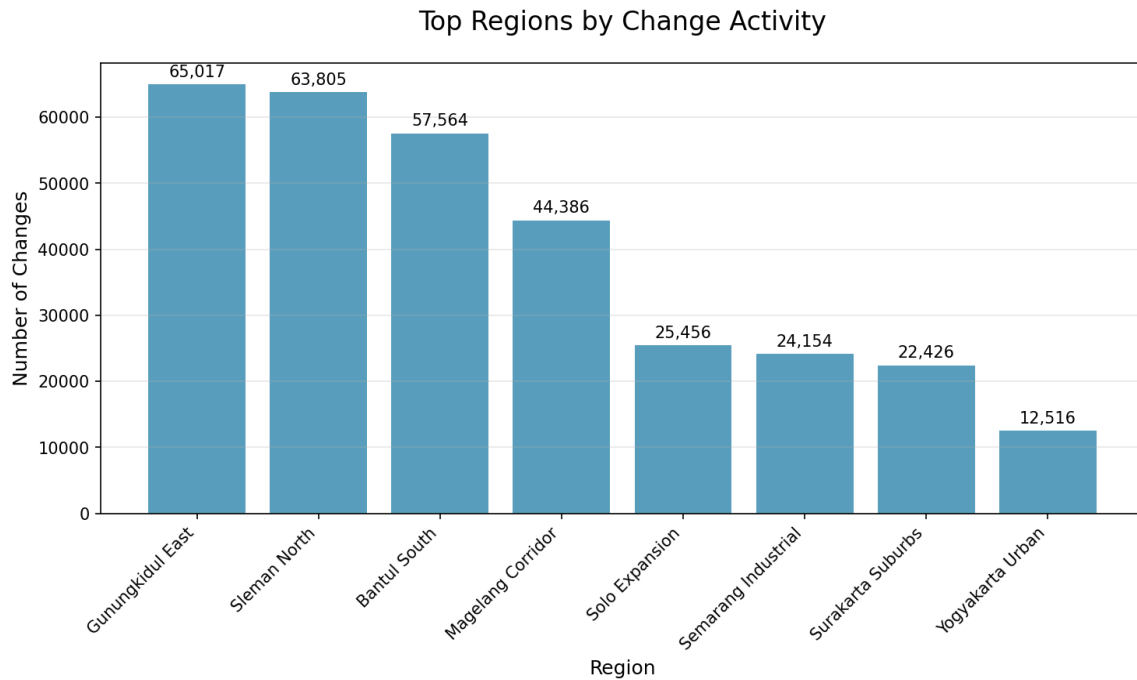
Total Changes Detected:	315,324
Total Area Changed:	36,750.5 hectares
Critical Alerts:	16
Investment Opportunities:	7

## 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:



## ■ 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%	<b>Stable market</b> (+2.1%) • <b>Massive development:</b> 63,805 changes detected • <b>Excellent infrastructure</b> (Score: 100)
Magelang Corridor	42.6/100	79%	<b>Positive price trend</b> (+6.8%) • <b>Massive development:</b> 44,386 changes detected • <b>Excellent infrastructure</b> (Score: 100)
Solo Expansion	42.6/100	79%	<b>Positive price trend</b> (+6.8%) • <b>High development:</b> 25,456 changes detected • <b>Excellent infrastructure</b> (Score: 100)
Surakarta Suburbs	42.6/100	79%	<b>Positive price trend</b> (+5.9%) • <b>High development:</b> 22,426 changes detected • <b>Excellent infrastructure</b> (Score: 100) • <b>Warming market</b> - Growing interest
Bantul South	41.4/100	79%	<b>Price correction</b> (-0.1%) • <b>Massive development:</b> 57,564 changes detected • <b>Excellent infrastructure</b> (Score: 100) • <b>Buyer's market</b> - 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

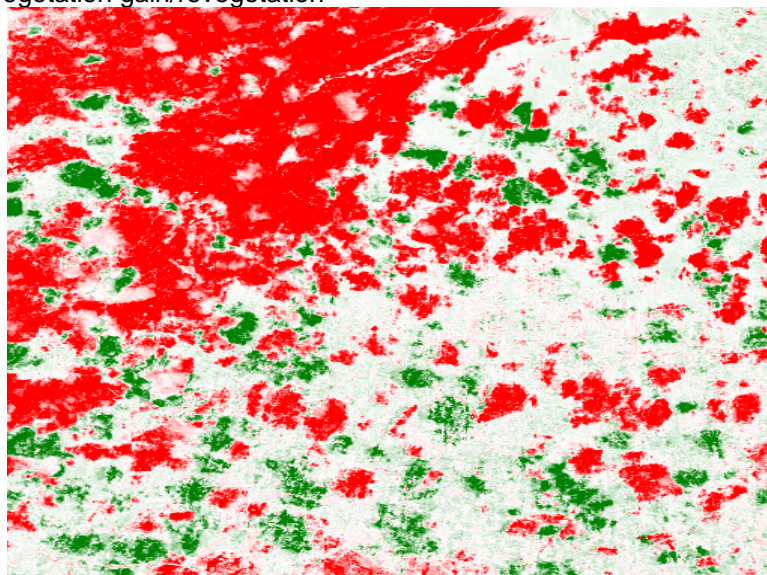
**Confidence Breakdown (79%):**

- ■ 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

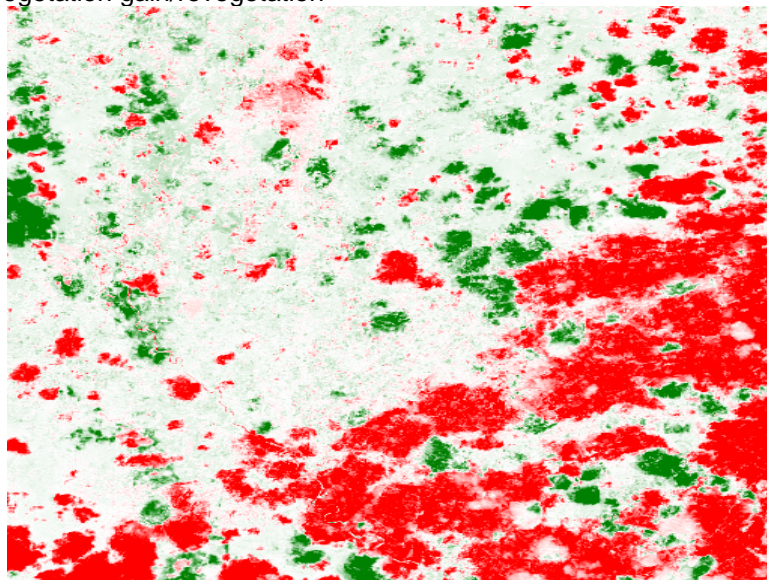
### **Confidence Breakdown (79%):**

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

