

■■■ CloudClearing Weekly Monitoring Report

Report Date:	October 07, 2025
Analysis Period:	2025-09-30 to 2025-10-07
Regions Monitored:	39
Analysis Confidence:	MEDIUM

■ EXECUTIVE SUMMARY

Market Status: ■ WEAK MARKET - Limited opportunities detected

Total Changes Detected:	464,522
Total Area Changed:	95,149.6 hectares
Critical Alerts:	66
Investment Opportunities:	2

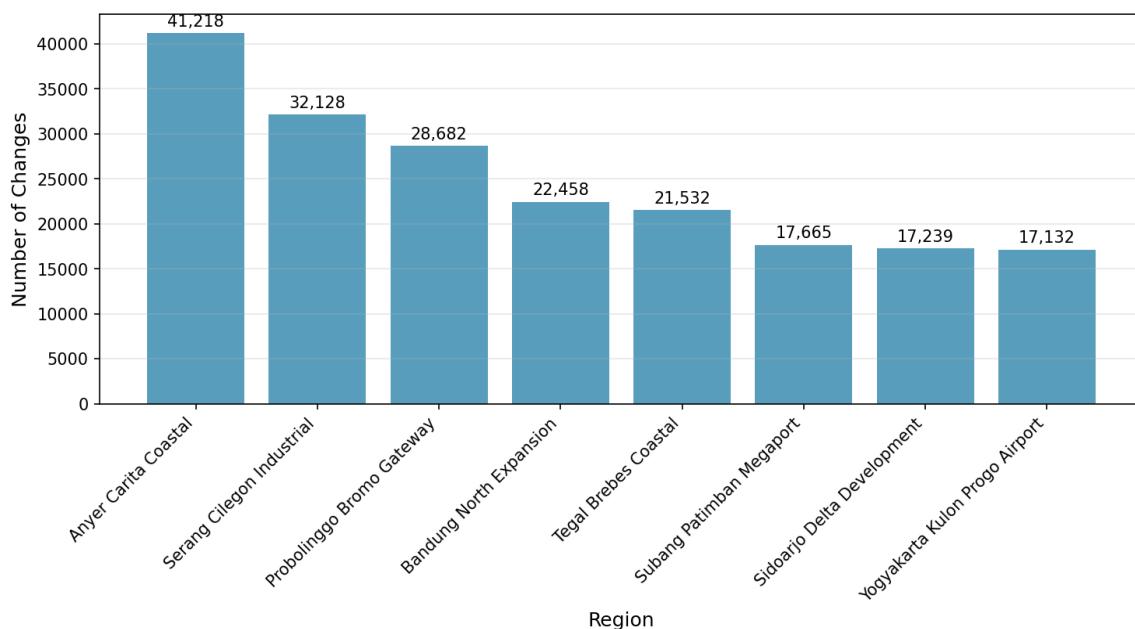
■ MONITORING RESULTS

Most Active Regions:

Region	Changes	Area (hectares)
Anyer Carita Coastal	41,218	5735.4
Serang Cilegon Industrial	32,128	11611.5
Probolinggo Bromo Gateway	28,682	13761.5
Bandung North Expansion	22,458	3013.3
Tegal Brebes Coastal	21,532	2188.3

Regional Activity Overview:

Top Regions by Change Activity



■ INVESTMENT OPPORTUNITIES

■ **TOP OPPORTUNITY: BANDUNG_NORTH_EXPANSION (41.3/100, yogyakarta_region)**

■ Top Investment Opportunities:

Region	Score	Confidence	Investment Intelligence
Bandung North Expansion	41.3/100	79%	Positive price trend (+6.1%) <ul style="list-style-type: none"> • High development: 22,458 changes detected • Excellent infrastructure (Score: 100) • Warming market - Growing interest
Serang Cilegon Industrial	41.3/100	79%	Positive price trend (+7.8%) <ul style="list-style-type: none"> • Massive development: 32,128 changes detected • Excellent infrastructure (Score: 100) • Warming market - Growing interest

■ 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.

■ PASS - Bandung North Expansion - Investment Score: 41.3/100 (79% confidence)

Development Activity: 22,458 land use changes detected across 3013.3 hectares
Change Type Breakdown:

- Urban conversion (agriculture → urban): 11,517 sites (51.3%)
- Construction activity (bare → built): 6,329 sites (28.2%)
- Other significant changes: 2,917 sites (13.0%)
- Land clearing (vegetation → bare earth): 1,048 sites (4.7%)
- Urban densification (expansion): 647 sites (2.9%)

Key Investment Factors:

- Active real estate market
- Excellent infrastructure access (100/100)

Score Composition:

- Market momentum: 6.1% price trend
- Infrastructure: 100/100 quality rating
- Development activity: 22,458 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



■ PASS - Serang Cilegon Industrial - Investment Score: 41.3/100 (79% confidence)

Development Activity: 32,128 land use changes detected across 11611.5 hectares

Change Type Breakdown:

- Urban conversion (agriculture → urban): 15,512 sites (48.3%)

- Construction activity (bare → built): 10,253 sites (31.9%)
- Other significant changes: 3,503 sites (10.9%)
- Land clearing (vegetation → bare earth): 2,482 sites (7.7%)
- Urban densification (expansion): 378 sites (1.2%)

Key Investment Factors:

- Active real estate market
- Excellent infrastructure access (100/100)

Score Composition:

- Market momentum: 7.8% price trend
- Infrastructure: 100/100 quality rating
- Development activity: 32,128 satellite-detected changes

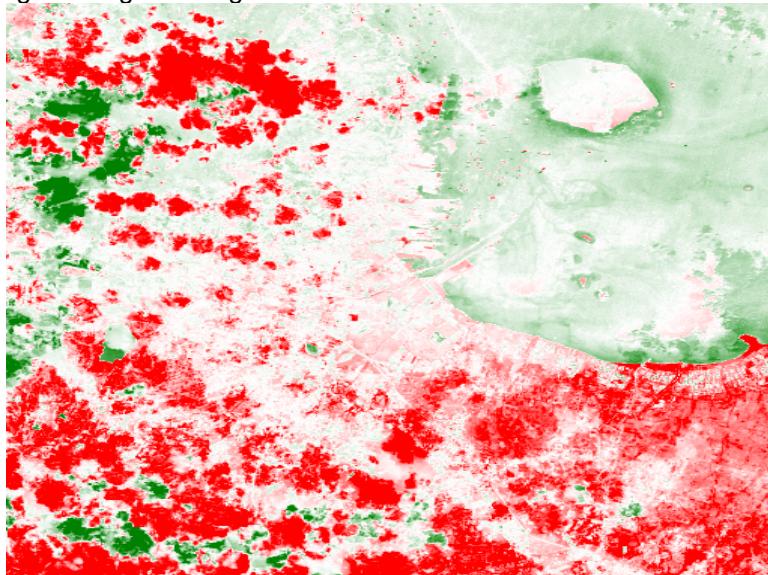
Confidence Breakdown (79%):

- ■ 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



■ PASS - Anyer Carita Coastal - Investment Score: 39.3/100 (79% confidence)

Development Activity: 41,218 land use changes detected across 5735.4 hectares

Change Type Breakdown:

- Urban conversion (agriculture → urban): 18,803 sites (45.6%)
- Construction activity (bare → built): 13,172 sites (32.0%)
- Other significant changes: 5,911 sites (14.3%)
- Land clearing (vegetation → bare earth): 1,937 sites (4.7%)
- Urban densification (expansion): 1,395 sites (3.4%)

Key Investment Factors:

- Excellent infrastructure access (100/100)

Score Composition:

- Market momentum: 3.5% price trend
- Infrastructure: 100/100 quality rating
- Development activity: 41,218 satellite-detected changes

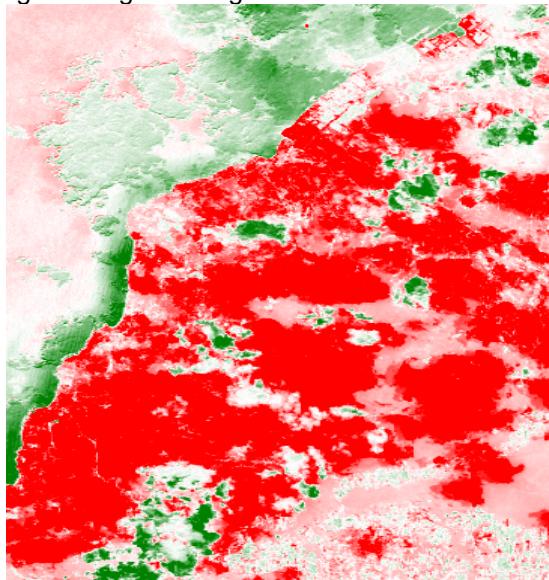
Confidence Breakdown (79%):

- ■ 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
Anyer Carita Coastal	41,218	5735.4	39.3/100	Watch (79% confidence)	June 23-30, 2025
Subang Patimban Megaport	17,665	3225.1	35.4/100	Watch (79% confidence)	June 23-30, 2025
Sidoarjo Delta Development	17,239	2703.3	35.4/100	Watch (79% confidence)	June 23-30, 2025
Jember Southern Coast	14,994	1526.6	35.4/100	Watch (79% confidence)	June 23-30, 2025
Cirebon Port Industrial	13,947	1380.4	34.0/100	Watch (79% confidence)	June 23-30, 2025
Jakarta North Sprawl	12,338	17988.2	33.7/100	Watch (79% confidence)	June 23-30, 2025
Solo Raya Expansion	16,559	2178.3	33.7/100	Watch (79% confidence)	June 23-30, 2025
Yogyakarta Kulon Progo Airport	17,132	2207.0	33.7/100	Watch (79% confidence): Stagnant prices	June 23-30, 2025
Jakarta South Suburbs	8,865	1518.5	29.5/100	Watch (79% confidence)	June 23-30, 2025
Malang South Highland	6,123	541.1	29.5/100	Watch (79% confidence)	June 23-30, 2025
Yogyakarta Urban Core	5,972	678.3	28.1/100	Watch (79% confidence): Stagnant prices	June 23-30, 2025
Banyuwangi Ferry Corridor	9,430	1228.2	28.1/100	Watch (79% confidence)	June 23-30, 2025
Tegal Brebes Coastal	21,532	2188.3	26.9/100	Watch (71% confidence): Poor infrastructure	June 23-30, 2025
Probolinggo Bromo Gateway	28,682	13761.5	25.6/100	Watch (71% confidence): Stagnant prices, Poor infrastructure	June 23-30, 2025

Surabaya West Expansion	2,800	196.5	23.6/100	Pass (79% confidence)	June 23-30, 2025
Bandung East Tech Corridor	12,796	1238.5	21.9/100	Pass (71% confidence): Poor infrastructure	June 23-30, 2025
Bogor Puncak Highland	16,371	2549.9	21.9/100	Pass (71% confidence): Poor infrastructure	June 23-30, 2025
Surabaya East Industrial	15,326	3780.1	21.9/100	Pass (71% confidence): Stagnant prices, Poor infrastructure	June 23-30, 2025
Purwokerto South Expansion	7,154	733.3	19.2/100	Pass (79% confidence): Poor infrastructure	June 23-30, 2025
Magelang Borobudur Corridor	6,269	903.8	18.3/100	Pass (71% confidence): Poor infrastructure	June 23-30, 2025
Gresik Port Industrial	7,748	1561.0	18.3/100	Pass (71% confidence): Poor infrastructure	June 23-30, 2025
Semarang South Urban	1,441	121.3	17.5/100	Pass (79% confidence): Poor infrastructure	June 23-30, 2025
Tangerang Bsd Corridor	2,365	295.9	15.4/100	Pass (71% confidence): Poor infrastructure	June 23-30, 2025
Bekasi Industrial Belt	2,353	293.3	14.6/100	Pass (71% confidence): Poor infrastructure	June 23-30, 2025
Cikarang Mega Industrial	1,680	250.2	14.6/100	Pass (71% confidence): Poor infrastructure	June 23-30, 2025
Merak Port Corridor	865	263.5	11.0/100	Pass (71% confidence): Low development, Stagnant prices	June 23-30, 2025
Semarang Port Expansion	0	0.0	5.6/100	Pass (79% confidence): Very low activity, Small area	June 23-30, 2025
Yogyakarta Urban	5,972	678.3	N/A	Not scored	June 23-30, 2025
Yogyakarta Periurban	0	0.0	N/A	Not scored	June 23-30, 2025
Sleman North	0	0.0	N/A	Not scored	June 23-30, 2025
Bantul South	54,732	5591.5	N/A	Not scored	June 23-30, 2025
Kulonprogo West	17,539	2125.4	N/A	Not scored	June 23-30, 2025
Gunungkidul East	0	0.0	N/A	Not scored	June 23-30, 2025
Magelang Corridor	6,269	903.8	N/A	Not scored	June 23-30, 2025
Solo Expansion	16,559	2178.3	N/A	Not scored	June 23-30, 2025
Semarang Industrial	0	0.0	N/A	Not scored	June 23-30, 2025
Surakarta Suburbs	1	0.1	N/A	Not scored	June 23-30, 2025

■ REGIONAL BREAKDOWN

Yogyakarta Region Details:

Anyer Carita Coastal

Changes: 41,218 | Area: 5735.4 ha | Density: 7.2 changes/ha

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

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

Serang Cilegon Industrial

Changes: 32,128 | Area: 11611.5 ha | Density: 2.8 changes/ha

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

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

Probolinggo Bromo Gateway

Changes: 28,682 | Area: 13761.5 ha | Density: 2.1 changes/ha

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

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

Bandung North Expansion

Changes: 22,458 | Area: 3013.3 ha | Density: 7.5 changes/ha

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

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

Tegal Brebes Coastal

Changes: 21,532 | Area: 2188.3 ha | Density: 9.8 changes/ha

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

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

Subang Patimban Megaport

Changes: 17,665 | Area: 3225.1 ha | Density: 5.5 changes/ha

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

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

Sidoarjo Delta Development

Changes: 17,239 | Area: 2703.3 ha | Density: 6.4 changes/ha

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

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

Yogyakarta Kulon Progo Airport

Changes: 17,132 | Area: 2207.0 ha | Density: 7.8 changes/ha

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

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

■ CRITICAL ALERTS

Critical Alerts (66):

- Critical: 12338 changes detected in jakarta_north_sprawl
- Critical: 17988.2 hectares changed in jakarta_north_sprawl
- Critical: 8865 changes detected in jakarta_south_suburbs
- Critical: 1518.5 hectares changed in jakarta_south_suburbs
- Critical: 2365 changes detected in tangerang_bsd_corridor
- Critical: 295.9 hectares changed in tangerang_bsd_corridor
- Critical: 2353 changes detected in bekasi_industrial_belt
- Critical: 293.3 hectares changed in bekasi_industrial_belt
- Critical: 1680 changes detected in cikarang_mega_industrial
- Critical: 250.2 hectares changed in cikarang_mega_industrial

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