



**COLOMBIA**  
**CAUCA**

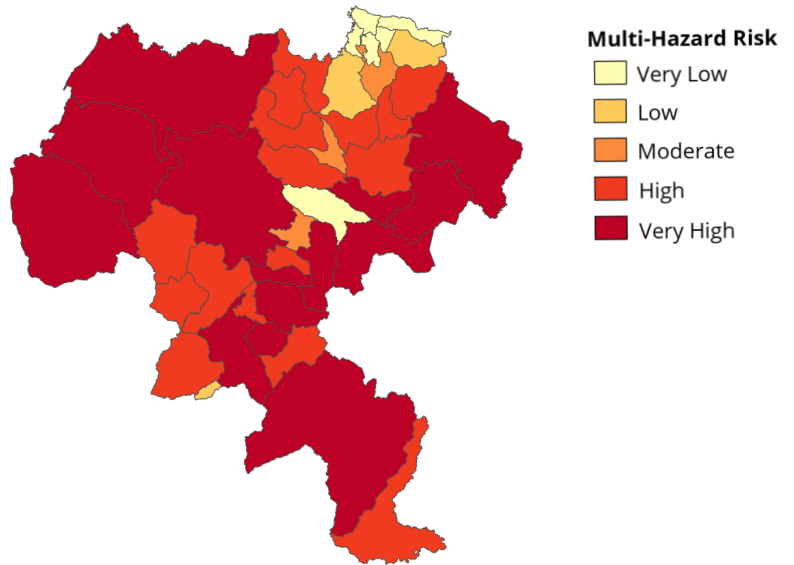
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**NDPBA DEPARTMENT PROFILE**

# COLOMBIA

## DEPARTMENT: CAUCA

The Cauca Department Profile provides a comprehensive summary of all municipal assessment findings.



### RISK AND VULNERABILITY

#### AVERAGE MUNICIPAL INDEX SCORES



#### MULTI-HAZARD RISK (MHR)

**Moderate**

Average Score: 0.503 • Rank: 14/33



#### RESILIENCE (R)

**Low**

Average Score: 0.476 • Rank: 25/33



#### MULTI-HAZARD EXPOSURE (MHE)

**Moderate**

Average Score: 0.461 • Rank: 17/33



#### VULNERABILITY (V)

**High**

Average Score: 0.515 • Rank: 11/33



#### COPING CAPACITY (CC)

**Low**

Average Score: 0.468 • Rank: 26/33

#### DEPARTMENT HIGHLIGHTS



Population (2018 Census)

**1,243,503**



Multidimensional Poverty Rate (2023)

**15.8%**



Prevalence of Food Insecurity (2023)

**16.0%**



Infant Mortality Rate (per 1,000 live births) (2020)

**19.6**



Adult Illiteracy (2018)

**7.5%**



## MULTI-HAZARD EXPOSURE (MHE)

### AVERAGE MUNICIPAL INDEX SCORES

RANK: 17 / 33 DEPARTMENTS

AVERAGE SCORE: 0.461



Average MHE  
0.461

Raw MHE  
0.555

Relative MHE  
0.367

### AVERAGE ESTIMATED EXPOSURE TO EACH HAZARD:



#### Sea Level Rise

**<1%** (3,103)

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **<1%**



#### Extreme Heat

**4%** (54,800)

Buildings Exposed: **2%**

Critical Infrastructure Exposed: **20%**



#### Coastal Flood

**1%** (9,245)

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **1%**



#### Wildfire

**0%** (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



#### Riverine Flood

**6%** (83,343)

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **16%**



#### Volcano

**6%** (86,555)

Buildings Exposed: **5%**

Critical Infrastructure Exposed: **4%**



#### Landslide

**69%** (1,017,565)

Buildings Exposed: **65%**

Critical Infrastructure Exposed: **61%**



#### Tropical Cyclone Wind

**0%** (0)

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



#### Earthquake

**100%** (1,466,150)

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



#### Tsunami

**3%** (39,580)

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **12%**



#### Erosion

**2%** (23,769)

Buildings Exposed: **2%**

Critical Infrastructure Exposed: **1%**

NOTE: Population exposure values are estimated using PDC's All-hazard Impact Model (AIM). Values may differ from Census population.



## MULTI-HAZARD EXPOSURE (MHE) RANK: 17 / 33 DEPARTMENTS

AVERAGE MUNICIPAL INDEX SCORES AVERAGE SCORE: 0.461

Combining exposures from all hazards, below is a summary of the top ranking municipalities within Cauca with the highest Multi-Hazard Exposure. Multi-Hazard Exposure for all municipalities is available in DisasterAWARE.

### MUNICIPALITIES WITH THE HIGHEST MULTI-HAZARD EXPOSURE

RANK IN DEPARTMENT	MUNICIPALITY	INDEX SCORE
1	Guapi	0.863
2	Timbiquí	0.791
3	López De Micay	0.658
4	Sotará - Paispamba	0.582
5	La Vega	0.579



## VULNERABILITY (V)

**RANK: 11 / 33 DEPARTMENTS ASSESSED**  
**AVERAGE SCORE: 0.515**

### AVERAGE MUNICIPAL INDEX SCORES

Below is a summary of the municipal Vulnerability Assessment within Cauca. Detailed municipal-level results, including all indicators used to assess Vulnerability, are available in DisasterAWARE.



#### Information Access Vulnerability



SCORE: 0.517

**RANK: 9/33**  
DEPARTMENTS ASSESSED



#### Clean Water Access Vulnerability



SCORE: 0.593

**RANK: 9/33**  
DEPARTMENTS ASSESSED



#### Economic Constraints



SCORE: 0.445

**RANK: 15/33**  
DEPARTMENTS ASSESSED



#### Marginalization



SCORE: 0.482

**RANK: 8/33**  
DEPARTMENTS ASSESSED



#### Vulnerable Health Status



SCORE: 0.461

**RANK: 13/33**  
DEPARTMENTS ASSESSED



#### Housing Vulnerability



SCORE: 0.592

**RANK: 17/33**  
DEPARTMENTS ASSESSED



## VULNERABILITY (V)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 11 / 33 DEPARTMENTS ASSESSED  
AVERAGE SCORE: 0.515

### KEY FACTORS INFLUENCING VULNERABILITY



#### Housing Vulnerability

Populations living in poorly constructed housing, or homes built prior to the enactment of modern building codes, are more susceptible to structural damage and losses due to hazard impacts. In addition, higher density living situations such as crowded households increase susceptibility to negative consequences resulting from hazard exposure.



#### Clean Water Access Vulnerability

Those without easy or adequate access to water distribution and containment systems face significant demands on daily routines that effectively limit their response and recovery capacity and the ability to maintain livelihoods. Increasing access to improved water and sanitation improves health outcomes and frees up resources to decrease further susceptibility to impacts.

### MUNICIPALITIES WITH THE HIGHEST VULNERABILITY

RANK IN DEPARTMENT	MUNICIPALITY	INDEX SCORE
1	López De Micay	0.698
2	Timbiquí	0.661
3	Almaguer	0.628
4	Santa Rosa	0.627
5	Páez	0.620



## COPING CAPACITY (CC)

AVERAGE MUNICIPAL INDEX SCORES

**RANK: 26 / 33 DEPARTMENTS ASSESSED**  
**AVERAGE SCORE: 0.468**

Below is a summary of the municipal Coping Capacity Assessment within Cauca. Detailed municipal-level results, including all indicators used to assess Coping Capacity, are available in DisasterAWARE.



### Governance



SCORE: 0.493

**RANK: 26/33**  
DEPARTMENTS ASSESSED



### Infrastructure Capacity



SCORE: 0.442

**RANK: 24/33**  
DEPARTMENTS ASSESSED



### Transportation Capacity



SCORE: 0.556

**RANK: 17/33**  
DEPARTMENTS ASSESSED



### Healthcare and Emergency Services Capacity

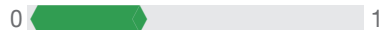


SCORE: 0.449

**RANK: 21/33**  
DEPARTMENTS ASSESSED



### Energy and Communications Capacity



SCORE: 0.322

**RANK: 26/33**  
DEPARTMENTS ASSESSED



## COPING CAPACITY (CC)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 26 / 33 DEPARTMENTS ASSESSED  
AVERAGE SCORE: 0.468

### KEY FACTORS INFLUENCING COPING CAPACITY



#### Energy and Communications Capacity

Homes, businesses, industry, and government all rely on access to energy resources and communications for continuity of daily activities. Expanding, strengthening, and securing the energy network and increasing the availability of internet services will contribute to economic development, facilitate effective and coordinated communication, and increase the speed of recovery processes in the aftermath of a disaster.



#### Healthcare and Emergency Services Capacity

Establishing and maintaining a broad range of systems and resources, including skilled caregivers and dedicated facilities, to support emergency services and the treatment of injury and disease during non-disaster times, will greatly enhance the capacity for disaster management and response, and improve the ability of societies to address disaster-associated health and medical impacts.

### MUNICIPALITIES WITH THE HIGHEST COPING CAPACITY

#### RANK IN

#### DEPARTMENT

#### MUNICIPALITY

#### INDEX SCORE

1	Popayán	0.699
2	Puerto Tejada	0.636
3	Miranda	0.607
4	Villa Rica	0.586
5	Guachené	0.582





## RESILIENCE (R)

**RANK: 25 / 33 DEPARTMENTS ASSESSED**  
**AVERAGE SCORE: 0.476**

The Resilience score and ranking represent a combination of High Vulnerability and Low Coping Capacity. Key drivers of Resilience across municipalities within Cauca are summarized below. Detailed municipal-level results for the RVA are available in DisasterAWARE.

### KEY FACTORS INFLUENCING RESILIENCE



#### Energy and Communications Capacity

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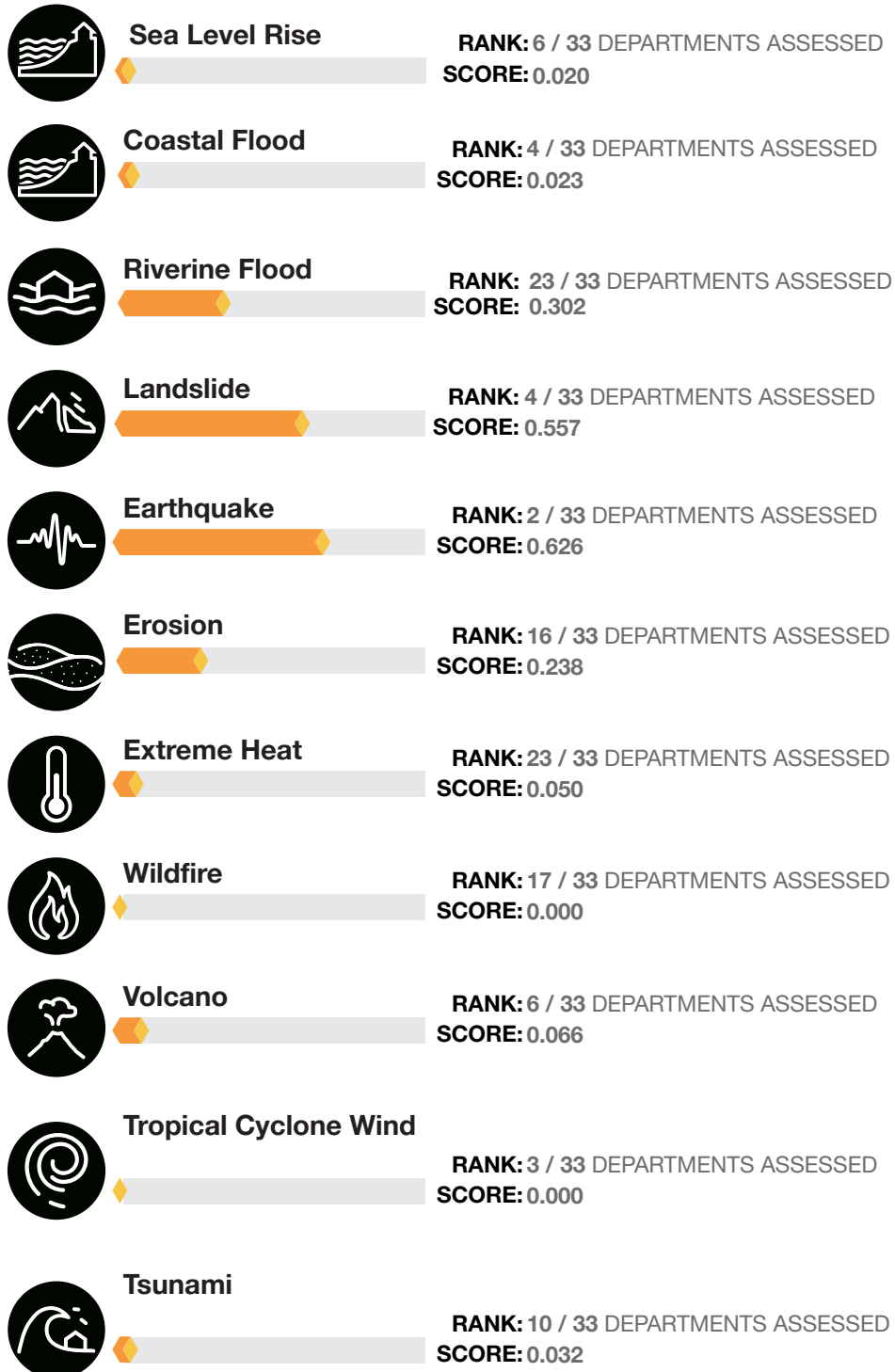
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# HAZARD-SPECIFIC RISK (HSR)

## AVERAGE MUNICIPAL INDEX SCORES





## MULTI-HAZARD RISK (MHR)

**14 / 33**

RANK AMONG DEPARTMENTS  
AVERAGE SCORE: 0.503

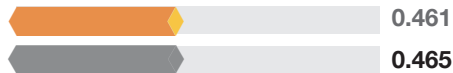


The Multi-Hazard Risk score and ranking represent a combination of Multi-Hazard Exposure, Vulnerability, and Coping Capacity. Below is a summary of Cauca's RVA results across all municipalities. Detailed municipal-level results for the RVA are available in DisasterAWARE.

### Multi-Hazard Risk component scores compared to overall average country scores:



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



**Better solutions.  
Fewer disasters.**

# Safer world.

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