COLOMBIA

PUTUMAYO

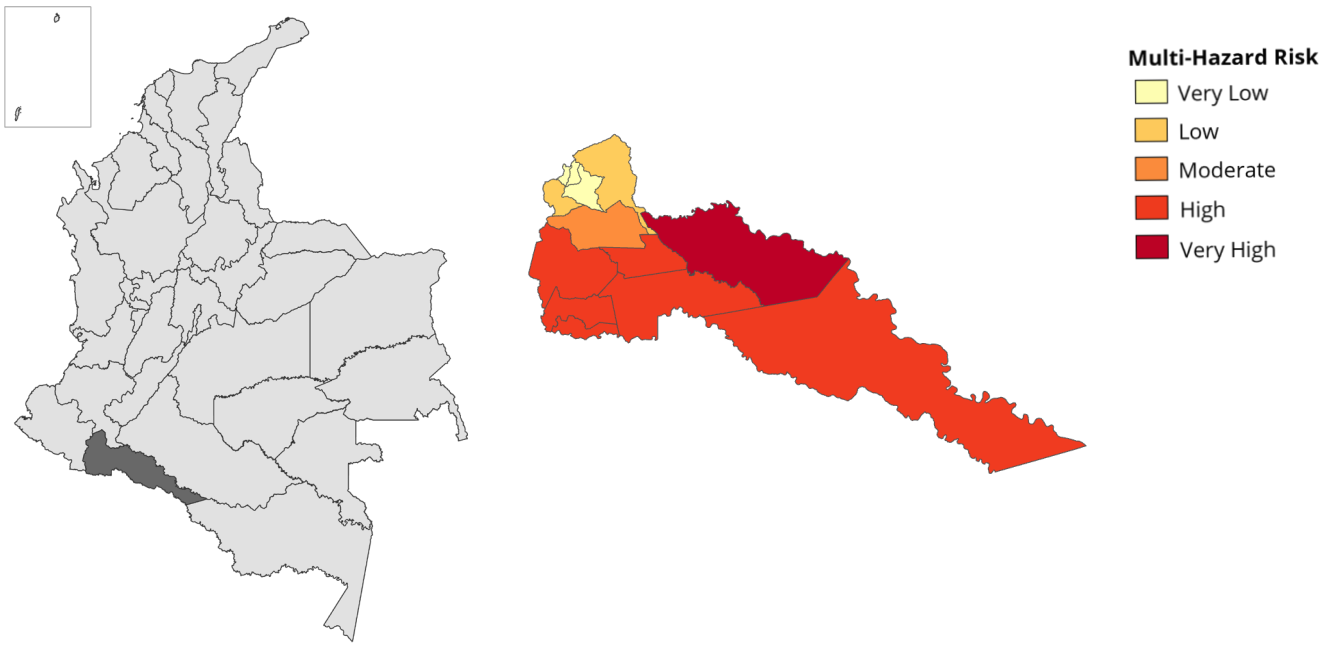
NDPBA DEPARTMENT PROFILE

PDC | GLOBAL

COLOMBIA

DEPARTMENT: PUTUMAYO

The Putumayo 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: 0.453 • Rank: 20/33

RESILIENCE (R)
Moderate
Average Score: 0.521 • Rank: 18/33

MULTI-HAZARD EXPOSURE (MHE)
Low
Average Score: 0.401 • Rank: 26/33

VULNERABILITY (V)
Moderate
Average Score: 0.454 • Rank: 17/33

COPING CAPACITY (CC)
Low
Average Score: 0.496 • Rank: 23/33

DEPARTMENT HIGHLIGHTS

Population (2018 Census)
283,197

Multidimensional Poverty Rate (2023)
13.2%

Prevalence of Food Insecurity (2023)
13.2%

Infant Mortality Rate (per 1,000 live births) (2020)
27.7

Adult Illiteracy (2018)
6.0%

MULTI-HAZARD EXPOSURE (MHE)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 26 / 33 DEPARTMENTS
AVERAGE SCORE: 0.401

Average MHE
0.401

Raw MHE
0.500

Relative MHE
0.301

AVERAGE ESTIMATED EXPOSURE TO EACH HAZARD:

Sea Level Rise
0% (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Coastal Flood
0% (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Riverine Flood
51% (225,903)
Buildings Exposed: **55%**
Critical Infrastructure Exposed: **44%**

Landslide
22% (98,242)
Buildings Exposed: **18%**
Critical Infrastructure Exposed: **16%**

Earthquake
95% (422,221)
Buildings Exposed: **90%**
Critical Infrastructure Exposed: **85%**

Erosion
7% (32,955)
Buildings Exposed: **10%**
Critical Infrastructure Exposed: **8%**

Extreme Heat
5% (23,460)
Buildings Exposed: **9%**
Critical Infrastructure Exposed: **20%**

Wildfire
3% (15,480)
Buildings Exposed: **3%**
Critical Infrastructure Exposed: **7%**

Volcano
0% (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Tropical Cyclone Wind
0% (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Tsunami
0% (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

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: 26 / 33 DEPARTMENTS
AVERAGE SCORE: 0.401

AVERAGE MUNICIPAL INDEX SCORES

Combining exposures from all hazards, below is a summary of the top ranking municipalities within Putumayo 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	Orito	0.558
2	Valle Del Guamuez	0.504
3	Villagarzón	0.501
4	Mocoa	0.484
5	Puerto Leguízamo	0.483

VULNERABILITY (V)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 17 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.454

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

Information Access Vulnerability

0 — 1

SCORE: 0.413

RANK: 26/33
DEPARTMENTS ASSESSED

Clean Water Access Vulnerability

0 — 1

SCORE: 0.417

RANK: 17/33
DEPARTMENTS ASSESSED

Economic Constraints

0 — 1

SCORE: 0.382

RANK: 24/33
DEPARTMENTS ASSESSED

Marginalization

0 — 1

SCORE: 0.463

RANK: 11/33
DEPARTMENTS ASSESSED

Vulnerable Health Status

0 — 1

SCORE: 0.452

RANK: 15/33
DEPARTMENTS ASSESSED

Housing Vulnerability

0 — 1

SCORE: 0.599

RANK: 16/33
DEPARTMENTS ASSESSED

VULNERABILITY (V)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 17 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.454

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.

Marginalization

Group-based differences in access to resources, services, opportunities, and formal economic and political structures that favor some groups over others influence the disaster susceptibility of the groups and individuals affected. Identification of populations facing significant inequalities or marginalization can help anticipate where relief and mass care operations (e.g., sheltering, health care delivery) needs will be greatest.

MUNICIPALITIES WITH THE HIGHEST VULNERABILITY

RANK IN DEPARTMENT	MUNICIPALITY	INDEX SCORE
1	Puerto Guzmán	0.619
2	San Miguel	0.568
3	Puerto Leguízamo	0.541
4	Puerto Caicedo	0.509
5	Puerto Asís	0.504

COPING CAPACITY (CC)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 23 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.496

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

Governance

0 — 1

SCORE: 0.532

RANK: 17/33
DEPARTMENTS ASSESSED

Infrastructure Capacity

0 — 1

SCORE: 0.461

RANK: 23/33
DEPARTMENTS ASSESSED

Transportation Capacity

0 — 1

SCORE: 0.532

RANK: 21/33
DEPARTMENTS ASSESSED

Healthcare and Emergency Services Capacity

0 — 1

SCORE: 0.479

RANK: 13/33
DEPARTMENTS ASSESSED

Energy and Communications Capacity

0 — 1

SCORE: 0.371

RANK: 23/33
DEPARTMENTS ASSESSED

COPING CAPACITY (CC)

AVERAGE MUNICIPAL INDEX SCORES

RANK: 23 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.496

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	Colón	0.608
2	Sibundoy	0.577
3	San Francisco	0.550
4	Mocoa	0.528
5	Villagarzón	0.499

RESILIENCE (R)

RANK: 18 / 33 DEPARTMENTS ASSESSED
AVERAGE SCORE: 0.521

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

KEY FACTORS INFLUENCING RESILIENCE

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.

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.

Transportation Capacity

Transportation Capacity represents the ability to ensure efficient movement and delivery of resources key to effective humanitarian assistance and disaster relief operations, including the provision of health services.

HAZARD-SPECIFIC RISK (HSR)

AVERAGE MUNICIPAL INDEX SCORES

Sea Level Rise

RANK: 13 / 33 DEPARTMENTS ASSESSED
SCORE: 0.000

Coastal Flood

RANK: 13 / 33 DEPARTMENTS ASSESSED
SCORE: 0.000

Riverine Flood

RANK: 15 / 33 DEPARTMENTS ASSESSED
SCORE: 0.454

Landslide

RANK: 19 / 33 DEPARTMENTS ASSESSED
SCORE: 0.355

Earthquake

RANK: 18 / 33 DEPARTMENTS ASSESSED
SCORE: 0.555

Erosion

RANK: 7 / 33 DEPARTMENTS ASSESSED
SCORE: 0.323

Extreme Heat

RANK: 19 / 33 DEPARTMENTS ASSESSED
SCORE: 0.118

Wildfire

RANK: 12 / 33 DEPARTMENTS ASSESSED
SCORE: 0.055

Volcano

RANK: 10 / 33 DEPARTMENTS ASSESSED
SCORE: 0.000

Tropical Cyclone Wind

RANK: 3 / 33 DEPARTMENTS ASSESSED
SCORE: 0.000

Tsunami

RANK: 13 / 33 DEPARTMENTS ASSESSED
SCORE: 0.000

MULTI-HAZARD RISK (MHR)

20 / 33
RANK AMONG DEPARTMENTS
AVERAGE SCORE: 0.453

The Multi-Hazard Risk score and ranking represent a combination of Multi-Hazard Exposure, Vulnerability, and Coping Capacity. Below is a summary of Putumayo'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:

COUNTRY SCORE
PUTUMAYO SCORE

Multi-Hazard Exposure

0.401
0.465

Vulnerability

0.454
0.447

Coping Capacity

0.496
0.518

PDC | GLOBAL

Better solutions.
Fewer disasters.

Safer world.

1305 N. Holopono Street
Suite 2, Kihei, HI 96753

P: (808) 891-0525
F: (808) 891-0526

@PDC_Global

/PDCGlobal

www.pdc.org

ndpba.col@pdc.org