



**DOMINICA**

**SAINT PAUL**

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**NDPBA SUBNATIONAL PROFILE**

# DOMINICA SAINT PAUL

Area: 66.4 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- High

Score: 0.453 • Rank: 4/10



### RESILIENCE (R)

- Moderate

Score: 0.531 • Rank: 5/10



### MULTI-HAZARD EXPOSURE (MHE)

- Moderate

Score: 0.420 • Rank: 5/10



### VULNERABILITY (V)

- High

Score: 0.436 • Rank: 4/10



### COPING CAPACITY (CC)

- Moderate

Score: 0.497 • Rank: 6/10



Total Population (2011)

**9,531**



Coastal Population  
Concentration

**49.8%**



Poverty Rate

**32.6%**



Households with  
Reduced Water  
Availability

**26.5%**



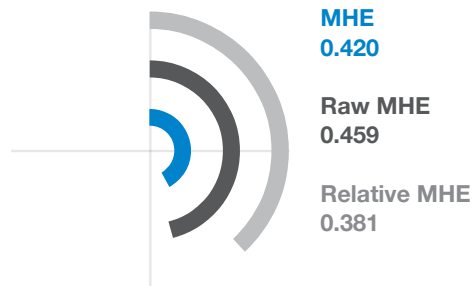
Coastline Exposure to  
Local or Global Threats

**46.4%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 5 / 10 PARISHES ASSESSED  
SCORE: 0.420



## ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**4%**

**405**

Buildings Exposed: **5%**

Critical Infrastructure Exposed: **28%**



Hurricane Winds

**100%**

**10,800**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

**10,800**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

**16%**

**1,700**

Buildings Exposed: **17%**

Critical Infrastructure Exposed: **4%**



Extreme Heat

**0%**

**0**

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Sea Level Rise

**3%**

**350**

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **28%**



Flash Flood

**10%**

**1,130**

Buildings Exposed: **14%**

Critical Infrastructure Exposed: **21%**



Tsunami

**4%**

**477**

Buildings Exposed: **5%**

Critical Infrastructure Exposed: **14%**

NOTE: Population exposure values for Dominica are estimated using PDC's AIM model. Values may differ from Census population.



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 5 / 10 PARISHES ASSESSED  
SCORE: 0.420

### ESTIMATED EXPOSURE TO EACH HAZARD (CONTINUED):



Volcano

**100%**

**10,800**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

**35%**

**3,740**

Buildings Exposed: **30%**

Critical Infrastructure Exposed: **26%**



## VULNERABILITY (V)

**RANK: 4 / 10 PARISHES ASSESSED**  
**SCORE: 0.436**

Vulnerability in Saint Paul is primarily driven by Population Pressures and Environmental Stress. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Economic Constraints

0  1 **SCORE: 0.334** **RANK: 7/10 PARISHES ASSESSED**

**47.8**  
Economic  
Dependency  
Ratio

**32.6%**  
Poverty Rate



### Environmental Stress

0  1 **SCORE: 0.473** **RANK: 5/10 PARISHES ASSESSED**

**49.8%**  
Coastal  
Population  
Concentration

**46.4%**  
Coastline  
Exposure  
to Local or  
Global Threats

**32.0%**  
Tree Cover  
Loss



### Household Infrastructure Vulnerability

0  1 **SCORE: 0.406** **RANK: 5/10 PARISHES ASSESSED**

**10.9%**  
Housing Built  
Prior to 2003

**26.5%**  
Households  
with Reduced  
Water  
Availability



### Household Composition and Vulnerable Health

0  1 **SCORE: 0.436** **RANK: 7/10 PARISHES ASSESSED**

**4.8%**  
Prevalence of  
Disability (per  
100 persons)

**1.3%**  
Institutionalized  
Population

**9.3%**  
Population  
Age 65 and  
Over

**23.1%**  
Population  
Under Age 15



### Population Pressures

0  1 **SCORE: 0.529** **RANK: 3/10 PARISHES ASSESSED**

**1.4%**  
Average Annual  
Population  
Change

**143.5**  
Population  
Density  
(persons per  
sq km)

**17.3%**  
Youth Bulge  
(population  
ages 15-24)



## ISLAND CAPACITY (IC)

**RANK: 6 / 10 PARISHES ASSESSED**  
**SCORE: 0.476**

Saint Paul exhibits weaker Island Capacity in the areas of Emergency Service and Health Care Capacity and Environmental Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Island Capacity score.



### Environmental Capacity

0  1 **SCORE: 0.289** **RANK: 6/10 PARISHES ASSESSED**

<b>0.13%</b> Croplands	<b>43.5</b> Net Carbon Flux	<b>14.1%</b> Protected Terrestrial Area	<b>0.0%</b> Protected Coastlines
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### Emergency Service and Health Care Capacity

0  1 **SCORE: 0.556** **RANK: 6/10 PARISHES ASSESSED**

<b>0.9</b> Average Distance to Shelter (km)	<b>1.1</b> Average Distance to Hospital or Clinic (km)	<b>2.7</b> Average Distance to Fire Station (km)	<b>2.9</b> Average Distance to Police Station (km)	<b>0.5</b> Hospitals and Clinics per 1,000 Persons
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## LOGISTICS CAPACITY (LC)

**RANK: 5 / 10 PARISHES ASSESSED**  
**SCORE: 0.519**

Saint Paul exhibits weaker Logistics Capacity in the areas of Maritime Logistics and Air Support. The bar charts indicate the socioeconomic themes contributing to the overall Logistics Capacity score.



### Maritime Logistics

0  1 **SCORE: 0.378** **RANK: 7/10 PARISHES ASSESSED**

<b>2.1</b> Average Distance to Seaport (km)	<b>85.8</b> Distance to External Medium or Large Seaport (km)	<b>2.8</b> Port Density (ports per 10 km of coastline)
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### Air Support

0  1 **SCORE: 0.432** **RANK: 7/10 PARISHES ASSESSED**

<b>89.4</b> Distance to External C130 Airport (km)	<b>3.0</b> Average Distance to Airport or Heliport (km)
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### Transportation Capacity

0  1 **SCORE: 0.614** **RANK: 3/10 PARISHES ASSESSED**

<b>0.4</b> Gas Stations per 1,000 Persons	<b>2.5</b> Road Density (km of roads per sq km)
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### Warehouse Access

0  1 **SCORE: 0.651** **RANK: 4/10 PARISHES ASSESSED**

<b>5.4</b> Average Distance to Warehouse (km)	<b>308.3</b> Distance to CDEMA Sub- Regional Focal Point (km)
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## COPING CAPACITY (CC)

Coping Capacity measures the systems, means, and abilities of people and societies to absorb and respond to disruptions in normal function. Coping Capacity of Dominica was calculated by using a combination of Island Capacity and Logistics Capacity.

**RANK: 6 / 10** PARISHES ASSESSED  
**SCORE: 0.497**



## RESILIENCE (R)

Resilience in Dominica was calculated by using a combination of Vulnerability and Coping Capacity (including both Island Capacity and Logistics Capacity).

**RANK: 5 / 10** PARISHES ASSESSED  
**SCORE: 0.531**



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## KEY FACTORS INFLUENCING RESILIENCE

Saint Paul's score and ranking are due to High Vulnerability combined with Moderate Coping Capacity scores.

Below are the four thematic areas with the weakest relative scores:



### Population Pressures

Rapid changes in population size and distribution can alter population vulnerability characteristics presenting planning challenges and destabilizing social, economic, and environmental systems. Increased population pressures require disaster managers to realign needs, institutional structures, and available resources to support delivery of basic resources before, during, and after an event.



### Environmental Stress

Environmental stressors such as the depletion or contamination of natural resources can exacerbate natural hazards and negatively impact the health, safety, and economic security of the population.



### Maritime Logistics

Diverse maritime transport options, within and outside the country, offer crucial support for humanitarian efforts and the transit and delivery of disaster relief supplies. Protecting and maintaining port infrastructure and equipment can help safeguard these key assets and sustain functional operations during a disaster.



### Air Support

Air transport is a key component of timely response operations, supporting search and rescue, damage assessment efforts, and the delivery of relief supplies. Increasing air support capacity to accommodate C130 aircraft strengthens the ability to quickly deliver and disseminate emergency relief supplies to where they are most needed.



## HAZARD-SPECIFIC RISK (HSR)



**Coastal Flooding**

**RANK: 2 / 10 PARISHES ASSESSED**  
**SCORE: 0.476**



**Earthquake**

**RANK: 5 / 10 PARISHES ASSESSED**  
**SCORE: 0.584**



**Extreme Heat**

**RANK: 8 / 10 PARISHES ASSESSED**  
**SCORE: 0.000**



**Flash Flood**

**RANK: 10 / 10 PARISHES ASSESSED**  
**SCORE: 0.238**



**Hurricane Winds**

**RANK: 5 / 10 PARISHES ASSESSED**  
**SCORE: 0.584**



**Landslide**

**RANK: 9 / 10 PARISHES ASSESSED**  
**SCORE: 0.372**



**Sea Level Rise**

**RANK: 1 / 10 PARISHES ASSESSED**  
**SCORE: 0.492**



**Tsunami**

**RANK: 4 / 10 PARISHES ASSESSED**  
**SCORE: 0.342**



**Volcano**

**RANK: 2 / 10 PARISHES ASSESSED**  
**SCORE: 0.593**



**Wildfire**

**RANK: 1 / 10 PARISHES ASSESSED**  
**SCORE: 0.683**



## MULTI-HAZARD RISK (MHR)

**4 / 10**

RANK AMONG PARISHES  
Score: 0.453



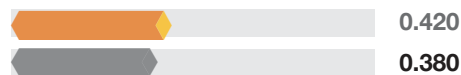
Saint Paul's score and ranking are due to Moderate Multi-Hazard Exposure combined with High Vulnerability and Moderate Coping Capacity scores.

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

PARISH SCORE  
 COUNTRY SCORE



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



**Better solutions.  
Fewer disasters.**

# Safer world.

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