



**DOMINICA**

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# **SAINT ANDREW**

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**NDPBA SUBNATIONAL PROFILE**

# DOMINICA SAINT ANDREW

Area: 179.9 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- High

Score: 0.458 • Rank: 3/10



### RESILIENCE (R)

- Very Low

Score: 0.473 • Rank: 9/10



### MULTI-HAZARD EXPOSURE (MHE)

- Low

Score: 0.319 • Rank: 7/10



### VULNERABILITY (V)

- Very High

Score: 0.630 • Rank: 1/10



### COPING CAPACITY (CC)

- High

Score: 0.576 • Rank: 4/10



Total Population (2011)

**9,184**



Coastal Population  
Concentration

**23.0%**



Poverty Rate

**38.1%**



Households with  
Reduced Water  
Availability

**36.2%**



Coastline Exposure to  
Local or Global Threats

**88.2%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 7 / 10 PARISHES ASSESSED  
SCORE: 0.319



MHE  
0.319

Raw MHE  
0.532

Relative MHE  
0.106

## ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**1%**

**94**

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **20%**



Hurricane Winds

**100%**

**8,690**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

**8,690**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

**12%**

**1,010**

Buildings Exposed: **11%**

Critical Infrastructure Exposed: **14%**



Extreme Heat

**49%**

**4,260**

Buildings Exposed: **50%**

Critical Infrastructure Exposed: **32%**



Sea Level Rise

**1%**

**80**

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **20%**



Flash Flood

**12%**

**1,080**

Buildings Exposed: **14%**

Critical Infrastructure Exposed: **41%**



Tsunami

**2%**

**161**

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **20%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 7 / 10 PARISHES ASSESSED  
SCORE: 0.319

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



Volcano

**33%**

**2,830**

Buildings Exposed: **32%**

Critical Infrastructure Exposed: **22%**



Wildfire

**2%**

**143**

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **0%**



## VULNERABILITY (V)

**RANK: 1 / 10 PARISHES ASSESSED**  
**SCORE: 0.630**

Vulnerability in Saint Andrew is primarily driven by Economic Constraints and Household Composition and Vulnerable Health. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Economic Constraints

0  1 **SCORE: 0.868** **RANK: 2/10 PARISHES ASSESSED**

**63.4**  
Economic  
Dependency  
Ratio

**38.1%**  
Poverty Rate



### Environmental Stress

0  1 **SCORE: 0.618** **RANK: 2/10 PARISHES ASSESSED**

**23.0%**  
Coastal  
Population  
Concentration

**88.2%**  
Coastline  
Exposure  
to Local or  
Global Threats

**48.0%**  
Tree Cover  
Loss



### Household Infrastructure Vulnerability

0  1 **SCORE: 0.629** **RANK: 2/10 PARISHES ASSESSED**

**11.7%**  
Housing Built  
Prior to 2003

**36.2%**  
Households  
with Reduced  
Water  
Availability



### Household Composition and Vulnerable Health

0  1 **SCORE: 0.748** **RANK: 1/10 PARISHES ASSESSED**

**6.8%**  
Prevalence of  
Disability (per  
100 persons)

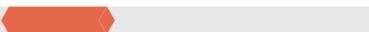
**0.4%**  
Institutionalized  
Population

**13.3%**  
Population  
Age 65 and  
Over

**25.5%**  
Population  
Under Age 15



### Population Pressures

0  1 **SCORE: 0.285** **RANK: 7/10 PARISHES ASSESSED**

**1.2%**  
Average Annual  
Population  
Change

**51.1**  
Population  
Density  
(persons per  
sq km)

**16.0%**  
Youth Bulge  
(population  
ages 15-24)



## ISLAND CAPACITY (IC)

**RANK: 2 / 10 PARISHES ASSESSED**  
**SCORE: 0.641**

Saint Andrew 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: 0.683** **RANK: 1/10 PARISHES ASSESSED**

<b>0.36%</b> Croplands	<b>-55.2</b> Net Carbon Flux	<b>25.1%</b> Protected Terrestrial Area	<b>0.0%</b> Protected Coastlines
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### Emergency Service and Health Care Capacity

0  1 **SCORE: 0.623** **RANK: 5/10 PARISHES ASSESSED**

<b>0.9</b> Average Distance to Shelter (km)	<b>1.0</b> Average Distance to Hospital or Clinic (km)	<b>4.8</b> Average Distance to Fire Station (km)	<b>4.7</b> Average Distance to Police Station (km)	<b>1.2</b> Hospitals and Clinics per 1,000 Persons
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## LOGISTICS CAPACITY (LC)

**RANK: 6 / 10 PARISHES ASSESSED**  
**SCORE: 0.511**

Saint Andrew exhibits weaker Logistics Capacity in the areas of Transportation Capacity and Warehouse Access. The bar charts indicate the socioeconomic themes contributing to the overall Logistics Capacity score.



### Maritime Logistics

0  1 **SCORE: 0.538** **RANK: 4/10 PARISHES ASSESSED**

<b>5.1</b> Average Distance to Seaport (km)	<b>66.4</b> Distance to External Medium or Large Seaport (km)	<b>0.2</b> Port Density (ports per 10 km of coastline)
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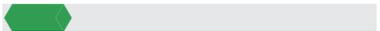
### Air Support

0  1 **SCORE: 0.828** **RANK: 2/10 PARISHES ASSESSED**

<b>69.9</b> Distance to External C130 Airport (km)	<b>4.9</b> Average Distance to Airport or Heliport (km)
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### Transportation Capacity

0  1 **SCORE: 0.147** **RANK: 8/10 PARISHES ASSESSED**

<b>0.1</b> Gas Stations per 1,000 Persons	<b>1.5</b> Road Density (km of roads per sq km)
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### Warehouse Access

0  1 **SCORE: 0.533** **RANK: 6/10 PARISHES ASSESSED**

<b>5.1</b> Average Distance to Warehouse (km)	<b>316.8</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: 4 / 10** PARISHES ASSESSED  
**SCORE: 0.576**



## RESILIENCE (R)

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

**RANK: 9 / 10** PARISHES ASSESSED  
**SCORE: 0.473**

## KEY FACTORS INFLUENCING RESILIENCE

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

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



### Economic Constraints

Economic constraints have individual, household, community, and region-wide influence. Limitations on available financial resources reduce opportunities to invest in mitigation and preparedness measures and limit the ability to facilitate short- and long-term recovery.



### Household Composition and Vulnerable Health

Households with dependent populations, such as the very young, elderly and the disabled, and populations living in institutional settings may have more difficulty with mobilizing and evacuating in a timely fashion and therefore become even more susceptible to harm during times of disaster. Further, the deaf or hard of hearing may not hear audible hazard alerts. Once evacuated, these populations will require additional services and care considerations in the response aftermath and during recovery. Plans and strategies must consider the special accommodations for these populations during response and recovery, including evacuation and sheltering.



### Transportation Capacity

Dense road networks and refueling locations facilitate the evacuation of populations during a disaster and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



### Warehouse Access

Efficient storage, movement and delivery of resources are key to effective humanitarian assistance and disaster relief operations. Access to both local and regional supply chains can significantly improve the speed and quality of response operations, reducing the negative social and economic impacts of an emergency.



## HAZARD-SPECIFIC RISK (HSR)



**Coastal Flooding**

**RANK: 8 / 10 PARISHES ASSESSED**

**SCORE: 0.373**



**Earthquake**

**RANK: 2 / 10 PARISHES ASSESSED**

**SCORE: 0.653**



**Extreme Heat**

**RANK: 2 / 10 PARISHES ASSESSED**

**SCORE: 0.615**



**Flash Flood**

**RANK: 4 / 10 PARISHES ASSESSED**

**SCORE: 0.370**



**Hurricane Winds**

**RANK: 2 / 10 PARISHES ASSESSED**

**SCORE: 0.653**



**Landslide**

**RANK: 7 / 10 PARISHES ASSESSED**

**SCORE: 0.406**



**Sea Level Rise**

**RANK: 8 / 10 PARISHES ASSESSED**

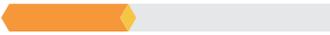
**SCORE: 0.381**



**Tsunami**

**RANK: 3 / 10 PARISHES ASSESSED**

**SCORE: 0.347**



**Volcano**

**RANK: 9 / 10 PARISHES ASSESSED**

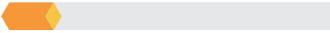
**SCORE: 0.379**



**Wildfire**

**RANK: 6 / 10 PARISHES ASSESSED**

**SCORE: 0.129**





## MULTI-HAZARD RISK (MHR)

**3 / 10**

RANK AMONG PARISHES  
Score: 0.458



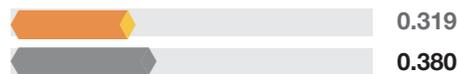
Saint Andrew's score and ranking are due to Low Multi-Hazard Exposure combined with Very High Vulnerability and High Coping Capacity scores.

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

PARISH SCORE  
 COUNTRY SCORE



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



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**www.pdc.org**



**ndpba.eci@pdc.org**



**DOMINICA**

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# **SAINT DAVID**

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**NDPBA SUBNATIONAL PROFILE**

# DOMINICA SAINT DAVID

Area: 125.8 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- Very High  
Score: 0.512 • Rank: 1/10



### RESILIENCE (R)

- Very Low  
Score: 0.344 • Rank: 10/10



### MULTI-HAZARD EXPOSURE (MHE)

- Very Low  
Score: 0.226 • Rank: 9/10



### VULNERABILITY (V)

- Very High  
Score: 0.616 • Rank: 2/10



### COPING CAPACITY (CC)

- Very Low  
Score: 0.305 • Rank: 10/10



Total Population (2011)  
**5,899**



Coastal Population  
Concentration  
**19.3%**



Poverty Rate  
**40.4%**



Households with  
Reduced Water  
Availability  
**60.7%**



Coastline Exposure to  
Local or Global Threats  
**7.9%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 9 / 10 PARISHES ASSESSED  
SCORE: 0.226



MHE  
0.226

Raw MHE  
0.355

Relative MHE  
0.098

## ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**<1%**

👤 39

Buildings Exposed: **<1%**  
Critical Infrastructure Exposed: **2%**



Hurricane Winds

**100%**

👤 5,620

Buildings Exposed: **100%**  
Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

👤 5,620

Buildings Exposed: **100%**  
Critical Infrastructure Exposed: **100%**

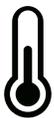


Landslide

**23%**

👤 1,310

Buildings Exposed: **26%**  
Critical Infrastructure Exposed: **17%**



Extreme Heat

**31%**

👤 1,750

Buildings Exposed: **34%**  
Critical Infrastructure Exposed: **19%**



Sea Level Rise

**<1%**

👤 31

Buildings Exposed: **<1%**  
Critical Infrastructure Exposed: **2%**



Flash Flood

**11%**

👤 612

Buildings Exposed: **11%**  
Critical Infrastructure Exposed: **49%**



Tsunami

**1%**

👤 54

Buildings Exposed: **1%**  
Critical Infrastructure Exposed: **15%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 9 / 10 PARISHES ASSESSED  
SCORE: 0.226

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



Volcano

**50%**

**2,800**

Buildings Exposed: **48%**

Critical Infrastructure Exposed: **49%**



Wildfire

**<1%**

**8**

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **0%**



## VULNERABILITY (V)

**RANK: 2 / 10 PARISHES ASSESSED**  
**SCORE: 0.616**

Vulnerability in Saint David is primarily driven by Household Infrastructure Vulnerability and Economic Constraints. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Economic Constraints

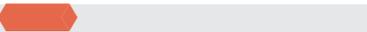
0  1 **SCORE: 0.908** **RANK: 1/10 PARISHES ASSESSED**

**63.6**  
Economic  
Dependency  
Ratio

**40.4%**  
Poverty Rate



### Environmental Stress

0  1 **SCORE: 0.180** **RANK: 9/10 PARISHES ASSESSED**

**19.3%**  
Coastal  
Population  
Concentration

**7.9%**  
Coastline  
Exposure  
to Local or  
Global Threats

**26.0%**  
Tree Cover  
Loss



### Household Infrastructure Vulnerability

0  1 **SCORE: 1.000** **RANK: 1/10 PARISHES ASSESSED**

**12.3%**  
Housing Built  
Prior to 2003

**60.7%**  
Households  
with Reduced  
Water  
Availability



### Household Composition and Vulnerable Health

0  1 **SCORE: 0.646** **RANK: 2/10 PARISHES ASSESSED**

**6.2%**  
Prevalence of  
Disability (per  
100 persons)

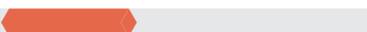
**0.0%**  
Institutionalized  
Population

**13.1%**  
Population  
Age 65 and  
Over

**25.8%**  
Population  
Under Age 15



### Population Pressures

0  1 **SCORE: 0.349** **RANK: 5/10 PARISHES ASSESSED**

**1.4%**  
Average Annual  
Population  
Change

**46.9**  
Population  
Density  
(persons per  
sq km)

**16.4%**  
Youth Bulge  
(population  
ages 15-24)



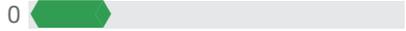
## ISLAND CAPACITY (IC)

**RANK: 10 / 10 PARISHES ASSESSED**  
**SCORE: 0.360**

Saint David 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: 0.189** **RANK: 9/10 PARISHES ASSESSED**

<b>0.00%</b> Croplands	<b>47.0</b> Net Carbon Flux	<b>12.9%</b> Protected Terrestrial Area	<b>0.0%</b> Protected Coastlines
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### Emergency Service and Health Care Capacity

0  1 **SCORE: 0.434** **RANK: 10/10 PARISHES ASSESSED**

<b>0.7</b> Average Distance to Shelter (km)	<b>1.1</b> Average Distance to Hospital or Clinic (km)	<b>11.7</b> Average Distance to Fire Station (km)	<b>7.3</b> Average Distance to Police Station (km)	<b>1.3</b> Hospitals and Clinics per 1,000 Persons
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## LOGISTICS CAPACITY (LC)

**RANK: 10 / 10 PARISHES ASSESSED**  
**SCORE: 0.251**

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



### Maritime Logistics

0 1 **SCORE: 0.033** **RANK: 10/10 PARISHES ASSESSED**

<b>11.0</b> Average Distance to Seaport (km)	<b>83.8</b> Distance to External Medium or Large Seaport (km)	<b>0.0</b> Port Density (ports per 10 km of coastline)
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### Air Support

0 1 **SCORE: 0.212** **RANK: 9/10 PARISHES ASSESSED**

<b>87.1</b> Distance to External C130 Airport (km)	<b>8.1</b> Average Distance to Airport or Heliport (km)
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### Transportation Capacity

0 1 **SCORE: 0.000** **RANK: 10/10 PARISHES ASSESSED**

<b>0.0</b> Gas Stations per 1,000 Persons	<b>1.4</b> Road Density (km of roads per sq km)
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### Warehouse Access

0 1 **SCORE: 0.757** **RANK: 3/10 PARISHES ASSESSED**

<b>4.9</b> Average Distance to Warehouse (km)	<b>302.9</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: 10 / 10** PARISHES ASSESSED  
**SCORE: 0.305**



## RESILIENCE (R)

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

**RANK: 10 / 10** PARISHES ASSESSED  
**SCORE: 0.344**

## KEY FACTORS INFLUENCING RESILIENCE

Saint David's score and ranking are due to Very High Vulnerability combined with Very Low Coping Capacity scores.

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



### Household Infrastructure Vulnerability

Populations living in older housing, and prior to the enactment of modern building codes, are more susceptible to structural damage and losses as a result of hazard impacts. In addition, households experiencing access constraints to clean water and sanitation are challenged to maintain a standard of living that meets basic household needs, and face significant demands on daily routines that effectively limit their response and recovery capacity as well as 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.



### Economic Constraints

Economic constraints have individual, household, community, and region-wide influence. Limitations on available financial resources reduce opportunities to invest in mitigation and preparedness measures and limit the ability to facilitate short- and long-term recovery.



### Transportation Capacity

Dense road networks and refueling locations facilitate the evacuation of populations during a disaster and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.

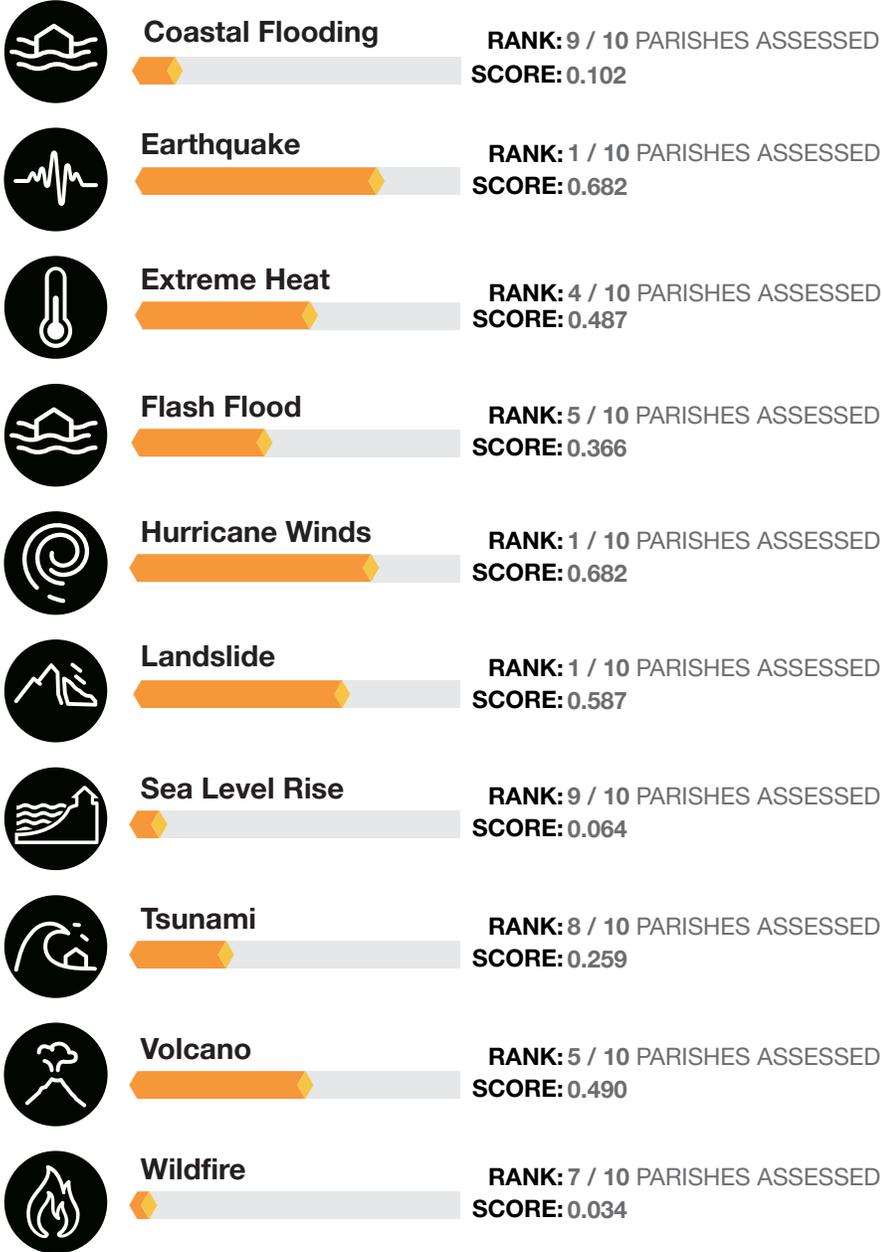


### Maritime Logistics

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.



## HAZARD-SPECIFIC RISK (HSR)





## MULTI-HAZARD RISK (MHR)

**1 / 10**

RANK AMONG PARISHES  
Score: 0.512



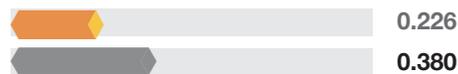
Saint David's score and ranking are due to Very Low Multi-Hazard Exposure combined with Very High Vulnerability and Very Low Coping Capacity scores.

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

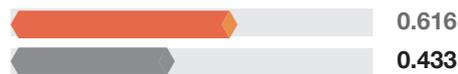
PARISH SCORE  
COUNTRY SCORE



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



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**DOMINICA**

# **SAINT GEORGE**

**NDPBA SUBNATIONAL PROFILE**

# DOMINICA SAINT GEORGE

Area: 56.2 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- Moderate

Score: 0.436 • Rank: 5/10



### RESILIENCE (R)

- Very High

Score: 0.689 • Rank: 1/10



### MULTI-HAZARD EXPOSURE (MHE)

- Very High

Score: 0.686 • Rank: 1/10



### VULNERABILITY (V)

- Very Low

Score: 0.332 • Rank: 9/10



### COPING CAPACITY (CC)

- Very High

Score: 0.710 • Rank: 1/10



Total Population (2011)

**20,791**



Coastal Population  
Concentration

**32.0%**



Poverty Rate

**13.7%**



Households with  
Reduced Water  
Availability

**14.1%**



Coastline Exposure to  
Local or Global Threats

**12.5%**



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 1 / 10 PARISHES ASSESSED  
SCORE: 0.686



MHE  
0.686

Raw MHE  
1.000

Relative MHE  
0.372

### ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**3%**

**603**

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **12%**



Hurricane Winds

**100%**

**21,700**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

**21,700**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



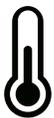
Landslide

**21%**

**4,510**

Buildings Exposed: **22%**

Critical Infrastructure Exposed: **11%**



Extreme Heat

**0%**

**0**

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Sea Level Rise

**2%**

**483**

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **12%**



Flash Flood

**16%**

**3,540**

Buildings Exposed: **25%**

Critical Infrastructure Exposed: **52%**



Tsunami

**5%**

**1,080**

Buildings Exposed: **9%**

Critical Infrastructure Exposed: **20%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 1 / 10 PARISHES ASSESSED  
SCORE: 0.686

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



Volcano

**100%**

**21,700**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

**14%**

**3,040**

Buildings Exposed: **16%**

Critical Infrastructure Exposed: **15%**



## VULNERABILITY (V)

**RANK: 9 / 10 PARISHES ASSESSED**  
**SCORE: 0.332**

Vulnerability in Saint George is primarily driven by Population Pressures and Household Composition and Vulnerable Health. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Economic Constraints

0 1 **SCORE: 0.113** **RANK: 9/10 PARISHES ASSESSED**

**49.0**  
Economic  
Dependency  
Ratio

**13.7%**  
Poverty Rate



### Environmental Stress

0 1 **SCORE: 0.149** **RANK: 10/10 PARISHES ASSESSED**

**32.0%**  
Coastal  
Population  
Concentration

**12.5%**  
Coastline  
Exposure  
to Local or  
Global Threats

**8.5%**  
Tree Cover  
Loss



### Household Infrastructure Vulnerability

0 1 **SCORE: 0.283** **RANK: 7/10 PARISHES ASSESSED**

**11.0%**  
Housing Built  
Prior to 2003

**14.1%**  
Households  
with Reduced  
Water  
Availability



### Household Composition and Vulnerable Health

0 1 **SCORE: 0.464** **RANK: 6/10 PARISHES ASSESSED**

**4.4%**  
Prevalence of  
Disability (per  
100 persons)

**1.5%**  
Institutionalized  
Population

**10.2%**  
Population  
Age 65 and  
Over

**22.7%**  
Population  
Under Age 15



### Population Pressures

0 1 **SCORE: 0.650** **RANK: 2/10 PARISHES ASSESSED**

**0.5%**  
Average Annual  
Population  
Change

**370.0**  
Population  
Density  
(persons per  
sq km)

**17.6%**  
Youth Bulge  
(population  
ages 15-24)



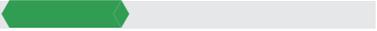
## ISLAND CAPACITY (IC)

**RANK: 3 / 10 PARISHES ASSESSED**  
**SCORE: 0.630**

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



### Environmental Capacity

0  1 **SCORE: 0.326** **RANK: 5/10 PARISHES ASSESSED**

<b>0.00%</b> Croplands	<b>-3.1</b> Net Carbon Flux	<b>21.3%</b> Protected Terrestrial Area	<b>0.0%</b> Protected Coastlines
---------------------------	--------------------------------	--	-------------------------------------



### Emergency Service and Health Care Capacity

0  1 **SCORE: 0.761** **RANK: 2/10 PARISHES ASSESSED**

<b>0.4</b> Average Distance to Shelter (km)	<b>0.7</b> Average Distance to Hospital or Clinic (km)	<b>2.6</b> Average Distance to Fire Station (km)	<b>2.6</b> Average Distance to Police Station (km)	<b>0.7</b> Hospitals and Clinics per 1,000 Persons
--	---	---	---	---



## LOGISTICS CAPACITY (LC)

**RANK: 1 / 10 PARISHES ASSESSED**  
**SCORE: 0.789**

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



### Maritime Logistics

0  1 **SCORE: 0.754** **RANK: 1/10 PARISHES ASSESSED**

<b>2.0</b> Average Distance to Seaport (km)	<b>79.0</b> Distance to External Medium or Large Seaport (km)	<b>12.0</b> Port Density (ports per 10 km of coastline)
--	--	---



### Air Support

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

<b>82.7</b> Distance to External C130 Airport (km)	<b>2.2</b> Average Distance to Airport or Heliport (km)
---	---



### Transportation Capacity

0  1 **SCORE: 0.853** **RANK: 1/10 PARISHES ASSESSED**

<b>0.4</b> Gas Stations per 1,000 Persons	<b>3.4</b> Road Density (km of roads per sq km)
--	--



### Warehouse Access

0  1 **SCORE: 0.899** **RANK: 1/10 PARISHES ASSESSED**

<b>2.6</b> Average Distance to Warehouse (km)	<b>302.0</b> Distance to CDEMA Sub- Regional Focal Point (km)
---	---



## 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: 1 / 10** PARISHES ASSESSED  
**SCORE: 0.710**



## RESILIENCE (R)

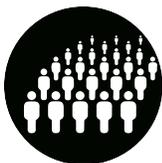
Resilience in Dominica was calculated by using a combination of Vulnerability and Coping Capacity (including both Island Capacity and Logistics Capacity).

**RANK: 1 / 10** PARISHES ASSESSED  
**SCORE: 0.689**

## KEY FACTORS INFLUENCING RESILIENCE

Saint George's score and ranking are due to Very Low Vulnerability combined with Very High 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.



### Household Composition and Vulnerable Health

Households with dependent populations, such as the very young, elderly and the disabled, and populations living in institutional settings may have more difficulty with mobilizing and evacuating in a timely fashion and therefore become even more susceptible to harm during times of disaster. Further, the deaf or hard of hearing may not hear audible hazard alerts. Once evacuated, these populations will require additional services and care considerations in the response aftermath and during recovery. Plans and strategies must consider the special accommodations for these populations during response and recovery, including evacuation and sheltering.



### 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.

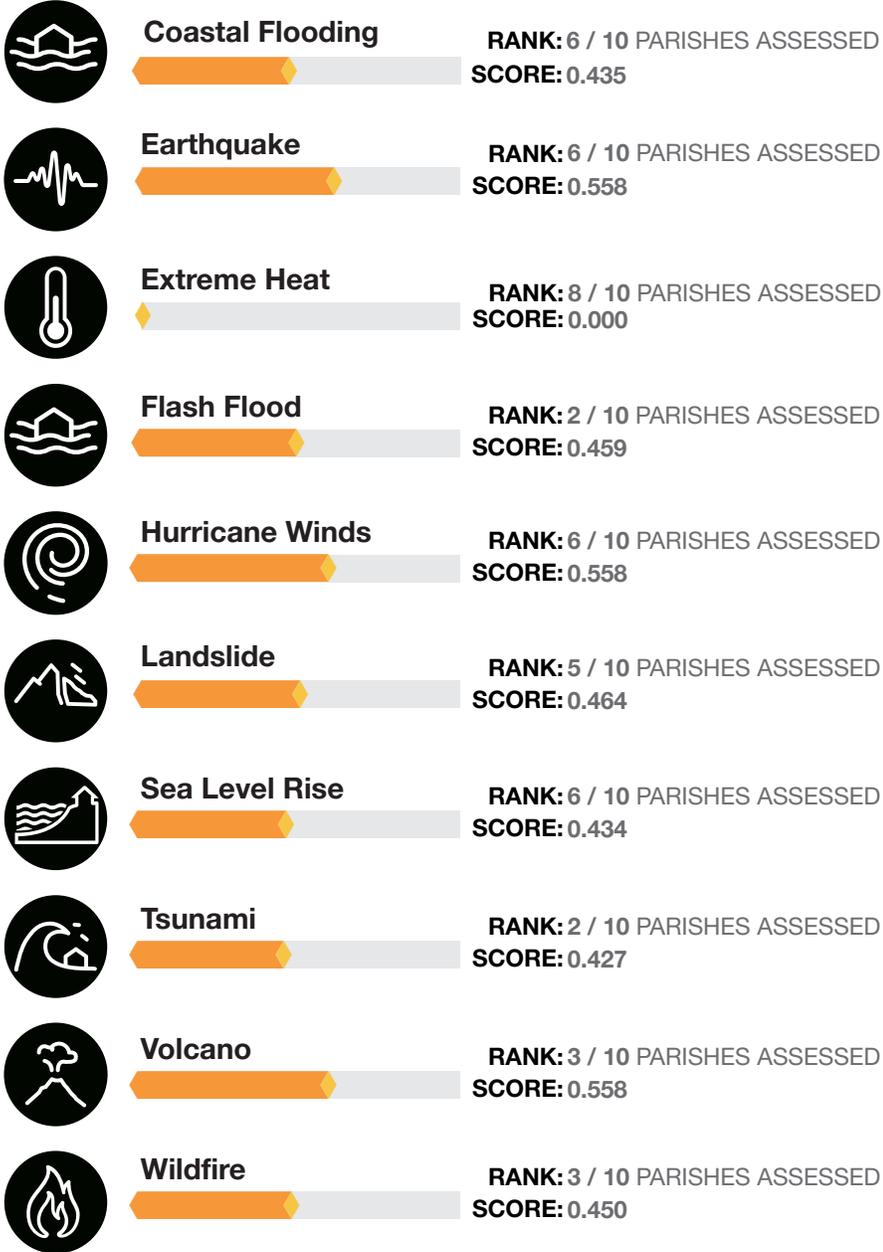


### Maritime Logistics

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.



## HAZARD-SPECIFIC RISK (HSR)





## MULTI-HAZARD RISK (MHR)

**5 / 10**

RANK AMONG PARISHES  
Score: 0.436



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

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

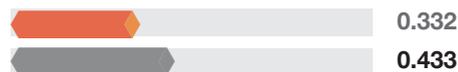
**PARISH SCORE**  
**COUNTRY SCORE**



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



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**DOMINICA**

---

# **SAINT JOHN**

---

**NDPBA SUBNATIONAL PROFILE**

# DOMINICA SAINT JOHN

Area: 59.1 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- Low  
Score: 0.425 • Rank: 8/10



### RESILIENCE (R)

- High  
Score: 0.621 • Rank: 3/10



### MULTI-HAZARD EXPOSURE (MHE)

- High  
Score: 0.518 • Rank: 3/10



### VULNERABILITY (V)

- Low  
Score: 0.375 • Rank: 7/10



### COPING CAPACITY (CC)

- High  
Score: 0.617 • Rank: 3/10



Total Population (2011)  
**6,422**



Coastal Population  
Concentration  
**80.7%**



Poverty Rate  
**10.2%**



Households with  
Reduced Water  
Availability  
**21.2%**



Coastline Exposure to  
Local or Global Threats  
**61.3%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 10 PARISHES ASSESSED  
SCORE: 0.518



MHE  
0.518

Raw MHE  
0.402

Relative MHE  
0.635

## ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**7%**

👤 475

Buildings Exposed: **10%**

Critical Infrastructure Exposed: **15%**



Hurricane Winds

**100%**

👤 7,040

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

👤 7,040

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

**5%**

👤 331

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **11%**



Extreme Heat

**43%**

👤 3,040

Buildings Exposed: **36%**

Critical Infrastructure Exposed: **22%**



Sea Level Rise

**5%**

👤 348

Buildings Exposed: **7%**

Critical Infrastructure Exposed: **8%**



Flash Flood

**38%**

👤 2,650

Buildings Exposed: **56%**

Critical Infrastructure Exposed: **69%**



Tsunami

**19%**

👤 1,350

Buildings Exposed: **33%**

Critical Infrastructure Exposed: **40%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 3 / 10 PARISHES ASSESSED  
SCORE: 0.518

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



Volcano

**96%**

**6,740**

Buildings Exposed: **97%**

Critical Infrastructure Exposed: **99%**



Wildfire

**5%**

**334**

Buildings Exposed: **2%**

Critical Infrastructure Exposed: **<1%**



## VULNERABILITY (V)

**RANK: 7 / 10 PARISHES ASSESSED**  
**SCORE: 0.375**

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



### Economic Constraints

0 1 **SCORE: 0.000** **RANK: 10/10 PARISHES ASSESSED**

**46.7**  
Economic  
Dependency  
Ratio

**10.2%**  
Poverty Rate



### Environmental Stress

0 1 **SCORE: 0.826** **RANK: 1/10 PARISHES ASSESSED**

**80.7%**  
Coastal  
Population  
Concentration

**61.3%**  
Coastline  
Exposure  
to Local or  
Global Threats

**65.0%**  
Tree Cover  
Loss



### Household Infrastructure Vulnerability

0 1 **SCORE: 0.118** **RANK: 9/10 PARISHES ASSESSED**

**9.5%**  
Housing Built  
Prior to 2003

**21.2%**  
Households  
with Reduced  
Water  
Availability



### Household Composition and Vulnerable Health

0 1 **SCORE: 0.196** **RANK: 10/10 PARISHES ASSESSED**

**3.8%**  
Prevalence of  
Disability (per  
100 persons)

**0.5%**  
Institutionalized  
Population

**9.7%**  
Population  
Age 65 and  
Over

**22.1%**  
Population  
Under Age 15



### Population Pressures

0 1 **SCORE: 0.736** **RANK: 1/10 PARISHES ASSESSED**

**2.3%**  
Average Annual  
Population  
Change

**108.7**  
Population  
Density  
(persons per  
sq km)

**18.6%**  
Youth Bulge  
(population  
ages 15-24)



## ISLAND CAPACITY (IC)

**RANK: 4 / 10 PARISHES ASSESSED**  
**SCORE: 0.576**

Saint John 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: 0.399** **RANK: 3/10 PARISHES ASSESSED**

<b>0.04%</b> Croplands	<b>93.2</b> Net Carbon Flux	<b>20.1%</b> Protected Terrestrial Area	<b>44.7%</b> Protected Coastlines
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### Emergency Service and Health Care Capacity

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

<b>0.7</b> Average Distance to Shelter (km)	<b>1.1</b> Average Distance to Hospital or Clinic (km)	<b>2.5</b> Average Distance to Fire Station (km)	<b>2.5</b> Average Distance to Police Station (km)	<b>0.7</b> Hospitals and Clinics per 1,000 Persons
--	---	---	---	---



## LOGISTICS CAPACITY (LC)

**RANK: 2 / 10 PARISHES ASSESSED**  
**SCORE: 0.659**

Saint John exhibits weaker Logistics Capacity in the areas of Transportation Capacity and Warehouse Access. The bar charts indicate the socioeconomic themes contributing to the overall Logistics Capacity score.



### Maritime Logistics

0  1 **SCORE: 0.746** **RANK: 2/10 PARISHES ASSESSED**

<b>1.1</b> Average Distance to Seaport (km)	<b>66.3</b> Distance to External Medium or Large Seaport (km)	<b>2.9</b> Port Density (ports per 10 km of coastline)
--	--	--



### Air Support

0  1 **SCORE: 0.951** **RANK: 1/10 PARISHES ASSESSED**

<b>69.8</b> Distance to External C130 Airport (km)	<b>2.7</b> Average Distance to Airport or Heliport (km)
---	---



### Transportation Capacity

0  1 **SCORE: 0.450** **RANK: 5/10 PARISHES ASSESSED**

<b>0.3</b> Gas Stations per 1,000 Persons	<b>2.2</b> Road Density (km of roads per sq km)
--	--



### Warehouse Access

0  1 **SCORE: 0.489** **RANK: 8/10 PARISHES ASSESSED**

<b>2.8</b> Average Distance to Warehouse (km)	<b>327.5</b> Distance to CDEMA Sub- Regional Focal Point (km)
---	---



## 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: 3 / 10** PARISHES ASSESSED  
**SCORE: 0.617**



## RESILIENCE (R)

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

**RANK: 3 / 10** PARISHES ASSESSED  
**SCORE: 0.621**

---

## KEY FACTORS INFLUENCING RESILIENCE

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

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



### 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.



### 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.



### Transportation Capacity

Dense road networks and refueling locations facilitate the evacuation of populations during a disaster and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



### Warehouse Access

Efficient storage, movement and delivery of resources are key to effective humanitarian assistance and disaster relief operations. Access to both local and regional supply chains can significantly improve the speed and quality of response operations, reducing the negative social and economic impacts of an emergency.



## HAZARD-SPECIFIC RISK (HSR)



**Coastal Flooding**

**RANK: 1 / 10 PARISHES ASSESSED**

**SCORE: 0.499**



**Earthquake**

**RANK: 8 / 10 PARISHES ASSESSED**

**SCORE: 0.502**



**Extreme Heat**

**RANK: 5 / 10 PARISHES ASSESSED**

**SCORE: 0.397**



**Flash Flood**

**RANK: 1 / 10 PARISHES ASSESSED**

**SCORE: 0.537**



**Hurricane Winds**

**RANK: 8 / 10 PARISHES ASSESSED**

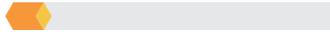
**SCORE: 0.502**



**Landslide**

**RANK: 10 / 10 PARISHES ASSESSED**

**SCORE: 0.089**



**Sea Level Rise**

**RANK: 3 / 10 PARISHES ASSESSED**

**SCORE: 0.459**



**Tsunami**

**RANK: 1 / 10 PARISHES ASSESSED**

**SCORE: 0.614**



**Volcano**

**RANK: 4 / 10 PARISHES ASSESSED**

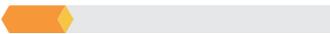
**SCORE: 0.505**



**Wildfire**

**RANK: 5 / 10 PARISHES ASSESSED**

**SCORE: 0.164**

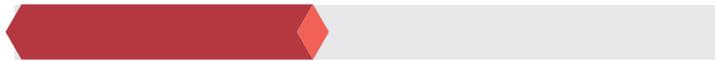




## MULTI-HAZARD RISK (MHR)

**8 / 10**

RANK AMONG PARISHES  
Score: 0.425



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

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

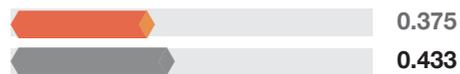
**PARISH SCORE**  
**COUNTRY SCORE**



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



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**DOMINICA**

# **SAINT JOSEPH**

**NDPBA SUBNATIONAL PROFILE**

# DOMINICA SAINT JOSEPH

Area: 118.4 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- Low

Score: 0.428 • Rank: 7/10



### RESILIENCE (R)

- Low

Score: 0.474 • Rank: 8/10



### MULTI-HAZARD EXPOSURE (MHE)

- Low

Score: 0.231 • Rank: 8/10



### VULNERABILITY (V)

- Moderate

Score: 0.412 • Rank: 6/10



### COPING CAPACITY (CC)

- Low

Score: 0.359 • Rank: 8/10



Total Population (2011)

**5,434**



Coastal Population  
Concentration

**32.1%**



Poverty Rate

**47.2%**



Households with  
Reduced Water  
Availability

**50.7%**



Coastline Exposure to  
Local or Global Threats

**21.6%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 8 / 10 PARISHES ASSESSED  
SCORE: 0.231



MHE  
0.231

Raw MHE  
0.283

Relative MHE  
0.179

## ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**3%**

**150**

Buildings Exposed: **5%**

Critical Infrastructure Exposed: **17%**



Hurricane Winds

**100%**

**5,430**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

**5,430**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



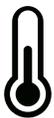
Landslide

**21%**

**1,140**

Buildings Exposed: **19%**

Critical Infrastructure Exposed: **43%**



Extreme Heat

**11%**

**593**

Buildings Exposed: **24%**

Critical Infrastructure Exposed: **12%**



Sea Level Rise

**2%**

**133**

Buildings Exposed: **4%**

Critical Infrastructure Exposed: **17%**



Flash Flood

**12%**

**650**

Buildings Exposed: **18%**

Critical Infrastructure Exposed: **40%**



Tsunami

**2%**

**108**

Buildings Exposed: **6%**

Critical Infrastructure Exposed: **16%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 8 / 10 PARISHES ASSESSED  
SCORE: 0.231

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



Volcano

**40%**

**2,160**

Buildings Exposed: **45%**

Critical Infrastructure Exposed: **40%**



Wildfire

**18%**

**1,000**

Buildings Exposed: **18%**

Critical Infrastructure Exposed: **11%**



## VULNERABILITY (V)

**RANK: 6 / 10 PARISHES ASSESSED**  
**SCORE: 0.412**

Vulnerability in Saint Joseph is primarily driven by Economic Constraints and Household Composition and Vulnerable Health. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Economic Constraints

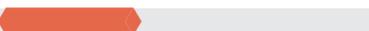
0  1 **SCORE: 0.636** **RANK: 4/10 PARISHES ASSESSED**

**51.3**  
Economic  
Dependency  
Ratio

**47.2%**  
Poverty Rate



### Environmental Stress

0  1 **SCORE: 0.362** **RANK: 6/10 PARISHES ASSESSED**

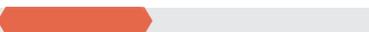
**32.1%**  
Coastal  
Population  
Concentration

**21.6%**  
Coastline  
Exposure  
to Local or  
Global Threats

**41.0%**  
Tree Cover  
Loss



### Household Infrastructure Vulnerability

0  1 **SCORE: 0.393** **RANK: 6/10 PARISHES ASSESSED**

**9.3%**  
Housing Built  
Prior to 2003

**50.7%**  
Households  
with Reduced  
Water  
Availability



### Household Composition and Vulnerable Health

0  1 **SCORE: 0.467** **RANK: 5/10 PARISHES ASSESSED**

**6.3%**  
Prevalence of  
Disability (per  
100 persons)

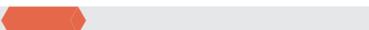
**0.2%**  
Institutionalized  
Population

**13.6%**  
Population  
Age 65 and  
Over

**20.4%**  
Population  
Under Age 15



### Population Pressures

0  1 **SCORE: 0.201** **RANK: 9/10 PARISHES ASSESSED**

**0.7%**  
Average Annual  
Population  
Change

**45.9**  
Population  
Density  
(persons per  
sq km)

**16.0%**  
Youth Bulge  
(population  
ages 15-24)



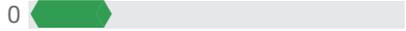
## ISLAND CAPACITY (IC)

**RANK: 8 / 10 PARISHES ASSESSED**  
**SCORE: 0.430**

Saint Joseph 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: 0.191** **RANK: 8/10 PARISHES ASSESSED**

<b>0.00%</b> Croplands	<b>109.0</b> Net Carbon Flux	<b>25.7%</b> Protected Terrestrial Area	<b>0.0%</b> Protected Coastlines
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### Emergency Service and Health Care Capacity

0  1 **SCORE: 0.532** **RANK: 7/10 PARISHES ASSESSED**

<b>1.4</b> Average Distance to Shelter (km)	<b>1.4</b> Average Distance to Hospital or Clinic (km)	<b>4.7</b> Average Distance to Fire Station (km)	<b>3.1</b> Average Distance to Police Station (km)	<b>1.3</b> Hospitals and Clinics per 1,000 Persons
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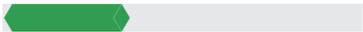
## LOGISTICS CAPACITY (LC)

**RANK: 9 / 10 PARISHES ASSESSED**  
**SCORE: 0.289**

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



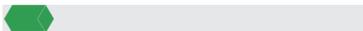
### Maritime Logistics

0  1 **SCORE: 0.313** **RANK: 8/10 PARISHES ASSESSED**

<b>4.3</b> Average Distance to Seaport (km)	<b>82.2</b> Distance to External Medium or Large Seaport (km)	<b>0.9</b> Port Density (ports per 10 km of coastline)
--	--	--



### Air Support

0  1 **SCORE: 0.095** **RANK: 10/10 PARISHES ASSESSED**

<b>85.7</b> Distance to External C130 Airport (km)	<b>10.8</b> Average Distance to Airport or Heliport (km)
---	--



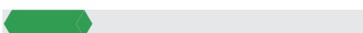
### Transportation Capacity

0  1 **SCORE: 0.540** **RANK: 4/10 PARISHES ASSESSED**

<b>0.6</b> Gas Stations per 1,000 Persons	<b>1.6</b> Road Density (km of roads per sq km)
--	--



### Warehouse Access

0  1 **SCORE: 0.207** **RANK: 10/10 PARISHES ASSESSED**

<b>11.9</b> Average Distance to Warehouse (km)	<b>314.3</b> Distance to CDEMA Sub- Regional Focal Point (km)
--	---



## 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: 8 / 10** PARISHES ASSESSED  
**SCORE: 0.359**



## RESILIENCE (R)

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

**RANK: 8 / 10** PARISHES ASSESSED  
**SCORE: 0.474**

## KEY FACTORS INFLUENCING RESILIENCE

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

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



### Economic Constraints

Economic constraints have individual, household, community, and region-wide influence. Limitations on available financial resources reduce opportunities to invest in mitigation and preparedness measures and limit the ability to facilitate short- and long-term recovery.



### Household Composition and Vulnerable Health

Households with dependent populations, such as the very young, elderly and the disabled, and populations living in institutional settings may have more difficulty with mobilizing and evacuating in a timely fashion and therefore become even more susceptible to harm during times of disaster. Further, the deaf or hard of hearing may not hear audible hazard alerts. Once evacuated, these populations will require additional services and care considerations in the response aftermath and during recovery. Plans and strategies must consider the special accommodations for these populations during response and recovery, including evacuation and sheltering.



### 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.

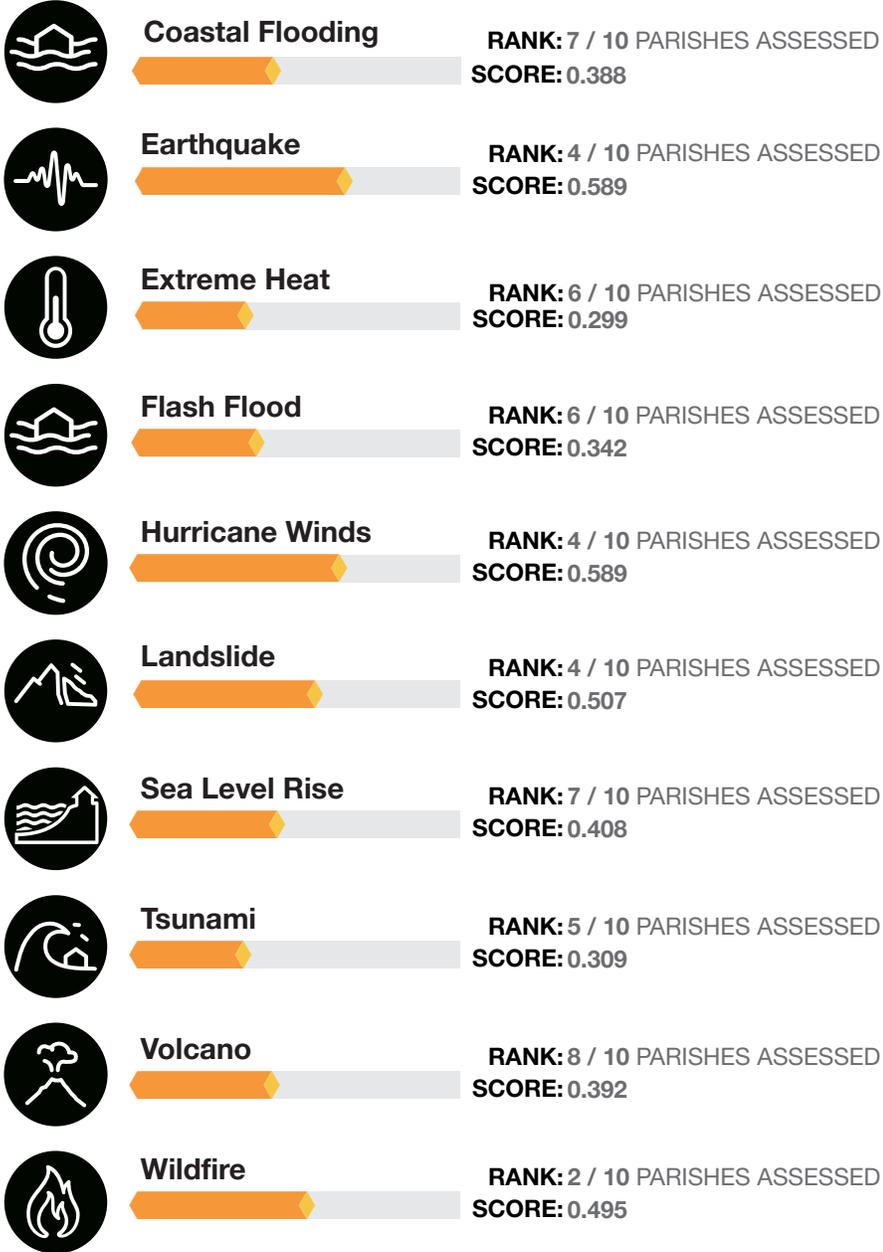


### Warehouse Access

Efficient storage, movement and delivery of resources are key to effective humanitarian assistance and disaster relief operations. Access to both local and regional supply chains can significantly improve the speed and quality of response operations, reducing the negative social and economic impacts of an emergency.



## HAZARD-SPECIFIC RISK (HSR)

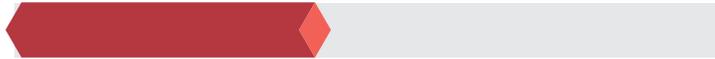




## MULTI-HAZARD RISK (MHR)

**7 / 10**

RANK AMONG PARISHES  
Score: 0.428



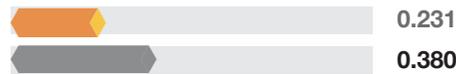
Saint Joseph's score and ranking are due to Low Multi-Hazard Exposure combined with Moderate Vulnerability and Low Coping Capacity scores.

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

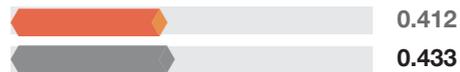
 PARISH SCORE  
 COUNTRY SCORE



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



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**DOMINICA**

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# **SAINT LUKE**

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**NDPBA SUBNATIONAL PROFILE**

# DOMINICA SAINT LUKE

Area: 10.8 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- Very Low  
Score: 0.356 • Rank: 9/10



### RESILIENCE (R)

- Very High  
Score: 0.632 • Rank: 2/10



### MULTI-HAZARD EXPOSURE (MHE)

- Moderate  
Score: 0.333 • Rank: 6/10



### VULNERABILITY (V)

- Very Low  
Score: 0.285 • Rank: 10/10



### COPING CAPACITY (CC)

- Moderate  
Score: 0.549 • Rank: 5/10



Total Population (2011)  
**1,565**



Coastal Population  
Concentration  
**1.0%**



Poverty Rate  
**17.5%**



Households with  
Reduced Water  
Availability  
**20.8%**



Coastline Exposure to  
Local or Global Threats  
**0.0%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 10 PARISHES ASSESSED  
SCORE: 0.333



MHE  
0.333

Raw MHE  
0.024

Relative MHE  
0.643

## ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**8%**

**128**

Buildings Exposed: **22%**

Critical Infrastructure Exposed: **30%**



Hurricane Winds

**100%**

**1,620**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

**1,620**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



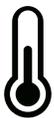
Landslide

**29%**

**462**

Buildings Exposed: **39%**

Critical Infrastructure Exposed: **40%**



Extreme Heat

**3%**

**52**

Buildings Exposed: **1%**

Critical Infrastructure Exposed: **3%**



Sea Level Rise

**7%**

**107**

Buildings Exposed: **18%**

Critical Infrastructure Exposed: **30%**



Flash Flood

**52%**

**843**

Buildings Exposed: **67%**

Critical Infrastructure Exposed: **63%**



Tsunami

**3%**

**47**

Buildings Exposed: **14%**

Critical Infrastructure Exposed: **3%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 6 / 10 PARISHES ASSESSED  
SCORE: 0.333

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



Volcano

**100%**

**1,620**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

**0%**

**0**

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



## VULNERABILITY (V)

**RANK: 10 / 10 PARISHES ASSESSED**  
**SCORE: 0.285**

Vulnerability in Saint Luke is primarily driven by Household Composition and Vulnerable Health and Environmental Stress. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Economic Constraints

0 1 **SCORE: 0.288** **RANK: 8/10 PARISHES ASSESSED**

**53.1**  
Economic  
Dependency  
Ratio

**17.5%**  
Poverty Rate



### Environmental Stress

0 1 **SCORE: 0.333** **RANK: 7/10 PARISHES ASSESSED**

**1.0%**  
Coastal  
Population  
Concentration

**0.0%**  
Coastline  
Exposure  
to Local or  
Global Threats

**4.3%**  
Tree Cover  
Loss



### Household Infrastructure Vulnerability

0 1 **SCORE: 0.116** **RANK: 10/10 PARISHES ASSESSED**

**9.5%**  
Housing Built  
Prior to 2003

**20.8%**  
Households  
with Reduced  
Water  
Availability



### Household Composition and Vulnerable Health

0 1 **SCORE: 0.398** **RANK: 9/10 PARISHES ASSESSED**

**5.2%**  
Prevalence of  
Disability (per  
100 persons)

**0.2%**  
Institutionalized  
Population

**10.2%**  
Population  
Age 65 and  
Over

**24.5%**  
Population  
Under Age 15



### Population Pressures

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

**0.0%**  
Average Annual  
Population  
Change

**144.9**  
Population  
Density  
(persons per  
sq km)

**16.9%**  
Youth Bulge  
(population  
ages 15-24)



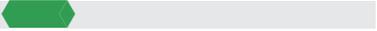
## ISLAND CAPACITY (IC)

**RANK: 5 / 10 PARISHES ASSESSED**  
**SCORE: 0.543**

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



### Environmental Capacity

0  1 **SCORE: 0.168** **RANK: 10/10 PARISHES ASSESSED**

<b>0.00%</b> Croplands	<b>-1.5</b> Net Carbon Flux	<b>0.0%</b> Protected Terrestrial Area	<b>0.0%</b> Protected Coastlines
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### Emergency Service and Health Care Capacity

0  1 **SCORE: 0.704** **RANK: 3/10 PARISHES ASSESSED**

<b>0.5</b> Average Distance to Shelter (km)	<b>0.5</b> Average Distance to Hospital or Clinic (km)	<b>5.0</b> Average Distance to Fire Station (km)	<b>3.7</b> Average Distance to Police Station (km)	<b>0.6</b> Hospitals and Clinics per 1,000 Persons
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## LOGISTICS CAPACITY (LC)

**RANK: 4 / 10 PARISHES ASSESSED**  
**SCORE: 0.555**

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



### Maritime Logistics

0  1 **SCORE: 0.529** **RANK: 5/10 PARISHES ASSESSED**

<b>1.3</b> Average Distance to Seaport (km)	<b>77.2</b> Distance to External Medium or Large Seaport (km)	<b>1.9</b> Port Density (ports per 10 km of coastline)
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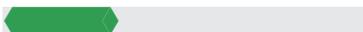
### Air Support

0  1 **SCORE: 0.636** **RANK: 6/10 PARISHES ASSESSED**

<b>81.1</b> Distance to External C130 Airport (km)	<b>3.2</b> Average Distance to Airport or Heliport (km)
---	---



### Transportation Capacity

0  1 **SCORE: 0.281** **RANK: 6/10 PARISHES ASSESSED**

<b>0.0</b> Gas Stations per 1,000 Persons	<b>2.5</b> Road Density (km of roads per sq km)
--	--



### Warehouse Access

0  1 **SCORE: 0.773** **RANK: 2/10 PARISHES ASSESSED**

<b>5.2</b> Average Distance to Warehouse (km)	<b>301.1</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: 5 / 10** PARISHES ASSESSED  
**SCORE: 0.549**



## RESILIENCE (R)

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

**RANK: 2 / 10** PARISHES ASSESSED  
**SCORE: 0.632**

## KEY FACTORS INFLUENCING RESILIENCE

Saint Luke's score and ranking are due to Very Low Vulnerability combined with Moderate Coping Capacity scores.

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



### Household Composition and Vulnerable Health

Households with dependent populations, such as the very young, elderly and the disabled, and populations living in institutional settings may have more difficulty with mobilizing and evacuating in a timely fashion and therefore become even more susceptible to harm during times of disaster. Further, the deaf or hard of hearing may not hear audible hazard alerts. Once evacuated, these populations will require additional services and care considerations in the response aftermath and during recovery. Plans and strategies must consider the special accommodations for these populations during response and recovery, including evacuation and sheltering.



### 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.



### Transportation Capacity

Dense road networks and refueling locations facilitate the evacuation of populations during a disaster and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



### 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.



## HAZARD-SPECIFIC RISK (HSR)



**Coastal Flooding**

**RANK: 4 / 10 PARISHES ASSESSED**  
**SCORE: 0.448**



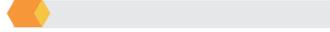
**Earthquake**

**RANK: 10 / 10 PARISHES ASSESSED**  
**SCORE: 0.430**



**Extreme Heat**

**RANK: 7 / 10 PARISHES ASSESSED**  
**SCORE: 0.080**



**Flash Flood**

**RANK: 3 / 10 PARISHES ASSESSED**  
**SCORE: 0.442**



**Hurricane Winds**

**RANK: 10 / 10 PARISHES ASSESSED**  
**SCORE: 0.430**



**Landslide**

**RANK: 8 / 10 PARISHES ASSESSED**  
**SCORE: 0.405**



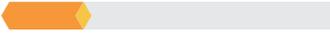
**Sea Level Rise**

**RANK: 5 / 10 PARISHES ASSESSED**  
**SCORE: 0.451**



**Tsunami**

**RANK: 9 / 10 PARISHES ASSESSED**  
**SCORE: 0.216**



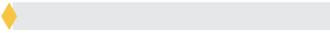
**Volcano**

**RANK: 7 / 10 PARISHES ASSESSED**  
**SCORE: 0.446**



**Wildfire**

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





## MULTI-HAZARD RISK (MHR)

**9 / 10**

RANK AMONG PARISHES  
Score: 0.356



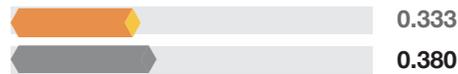
Saint Luke's score and ranking are due to Moderate Multi-Hazard Exposure combined with Very Low Vulnerability and Moderate Coping Capacity scores.

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

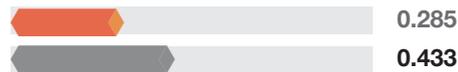
PARISH SCORE  
COUNTRY SCORE



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



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**DOMINICA**

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# **SAINT MARK**

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**NDPBA SUBNATIONAL PROFILE**

# DOMINICA SAINT MARK

Area: 13.5 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- Moderate

Score: 0.435 • Rank: 6/10



### RESILIENCE (R)

- High

Score: 0.613 • Rank: 4/10



### MULTI-HAZARD EXPOSURE (MHE)

- Very High

Score: 0.532 • Rank: 2/10



### VULNERABILITY (V)

- Moderate

Score: 0.424 • Rank: 5/10



### COPING CAPACITY (CC)

- Very High

Score: 0.650 • Rank: 2/10



Total Population (2011)

**1,767**



Coastal Population  
Concentration

**92.2%**



Poverty Rate

**27.3%**



Households with  
Reduced Water  
Availability

**32.6%**



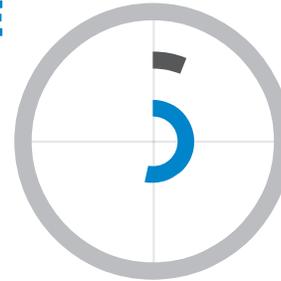
Coastline Exposure to  
Local or Global Threats

**57.1%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 10 PARISHES ASSESSED  
SCORE: 0.532



MHE  
0.532

Raw MHE  
0.064

Relative MHE  
1.000

## ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**9%**

**153**

Buildings Exposed: **16%**

Critical Infrastructure Exposed: **28%**



Hurricane Winds

**100%**

**1,700**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

**1,700**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



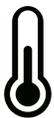
Landslide

**35%**

**591**

Buildings Exposed: **40%**

Critical Infrastructure Exposed: **39%**



Extreme Heat

**100%**

**1,700**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Sea Level Rise

**8%**

**137**

Buildings Exposed: **14%**

Critical Infrastructure Exposed: **28%**



Flash Flood

**25%**

**426**

Buildings Exposed: **30%**

Critical Infrastructure Exposed: **43%**



Tsunami

**4%**

**74**

Buildings Exposed: **10%**

Critical Infrastructure Exposed: **22%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 10 PARISHES ASSESSED  
SCORE: 0.532

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



Volcano

**100%**

**1,700**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

**0%**

**0**

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



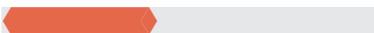
## VULNERABILITY (V)

**RANK: 5 / 10 PARISHES ASSESSED**  
**SCORE: 0.424**

Vulnerability in Saint Mark is primarily driven by Environmental Stress and Household Infrastructure Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Economic Constraints

0  1 **SCORE: 0.392** **RANK: 5/10 PARISHES ASSESSED**

**52.2**  
Economic  
Dependency  
Ratio

**27.3%**  
Poverty Rate



### Environmental Stress

0  1 **SCORE: 0.543** **RANK: 3/10 PARISHES ASSESSED**

**92.2%**  
Coastal  
Population  
Concentration

**57.1%**  
Coastline  
Exposure  
to Local or  
Global Threats

**8.6%**  
Tree Cover  
Loss



### Household Infrastructure Vulnerability

0  1 **SCORE: 0.532** **RANK: 3/10 PARISHES ASSESSED**

**11.3%**  
Housing Built  
Prior to 2003

**32.6%**  
Households  
with Reduced  
Water  
Availability



### Household Composition and Vulnerable Health

0  1 **SCORE: 0.411** **RANK: 8/10 PARISHES ASSESSED**

**5.2%**  
Prevalence of  
Disability (per  
100 persons)

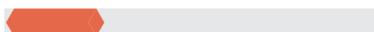
**0.3%**  
Institutionalized  
Population

**14.3%**  
Population  
Age 65 and  
Over

**20.0%**  
Population  
Under Age 15



### Population Pressures

0  1 **SCORE: 0.240** **RANK: 8/10 PARISHES ASSESSED**

**0.8%**  
Average Annual  
Population  
Change

**130.9**  
Population  
Density  
(persons per  
sq km)

**15.2%**  
Youth Bulge  
(population  
ages 15-24)



## ISLAND CAPACITY (IC)

**RANK: 1 / 10 PARISHES ASSESSED**  
**SCORE: 0.661**

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



### Environmental Capacity

0  1 **SCORE: 0.425** **RANK: 2/10 PARISHES ASSESSED**

<b>0.00%</b> Croplands	<b>-0.9</b> Net Carbon Flux	<b>1.0%</b> Protected Terrestrial Area	<b>55.5%</b> Protected Coastlines
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### Emergency Service and Health Care Capacity

0  1 **SCORE: 0.763** **RANK: 1/10 PARISHES ASSESSED**

<b>0.4</b> Average Distance to Shelter (km)	<b>0.6</b> Average Distance to Hospital or Clinic (km)	<b>9.1</b> Average Distance to Fire Station (km)	<b>1.2</b> Average Distance to Police Station (km)	<b>1.2</b> Hospitals and Clinics per 1,000 Persons
--	---	---	---	---



## LOGISTICS CAPACITY (LC)

**RANK: 3 / 10 PARISHES ASSESSED**  
**SCORE: 0.638**

Saint Mark exhibits weaker Logistics Capacity in the areas of Maritime Logistics and Warehouse Access. The bar charts indicate the socioeconomic themes contributing to the overall Logistics Capacity score.



### Maritime Logistics

0  1 **SCORE: 0.567** **RANK: 3/10 PARISHES ASSESSED**

<b>1.3</b> Average Distance to Seaport (km)	<b>73.5</b> Distance to External Medium or Large Seaport (km)	<b>1.0</b> Port Density (ports per 10 km of coastline)
--	--	--



### Air Support

0  1 **SCORE: 0.639** **RANK: 5/10 PARISHES ASSESSED**

<b>77.3</b> Distance to External C130 Airport (km)	<b>4.9</b> Average Distance to Airport or Heliport (km)
---	---



### Transportation Capacity

0  1 **SCORE: 0.733** **RANK: 2/10 PARISHES ASSESSED**

<b>0.6</b> Gas Stations per 1,000 Persons	<b>2.3</b> Road Density (km of roads per sq km)
--	--



### Warehouse Access

0  1 **SCORE: 0.614** **RANK: 5/10 PARISHES ASSESSED**

<b>9.3</b> Average Distance to Warehouse (km)	<b>297.0</b> Distance to CDEMA Sub- Regional Focal Point (km)
---	---



## 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: 2 / 10** PARISHES ASSESSED  
**SCORE: 0.650**



## RESILIENCE (R)

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

**RANK: 4 / 10** PARISHES ASSESSED  
**SCORE: 0.613**

## KEY FACTORS INFLUENCING RESILIENCE

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

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



### 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.



### Household Infrastructure Vulnerability

Populations living in older housing, and prior to the enactment of modern building codes, are more susceptible to structural damage and losses as a result of hazard impacts. In addition, households experiencing access constraints to clean water and sanitation are challenged to maintain a standard of living that meets basic household needs, and face significant demands on daily routines that effectively limit their response and recovery capacity as well as 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.



### 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.

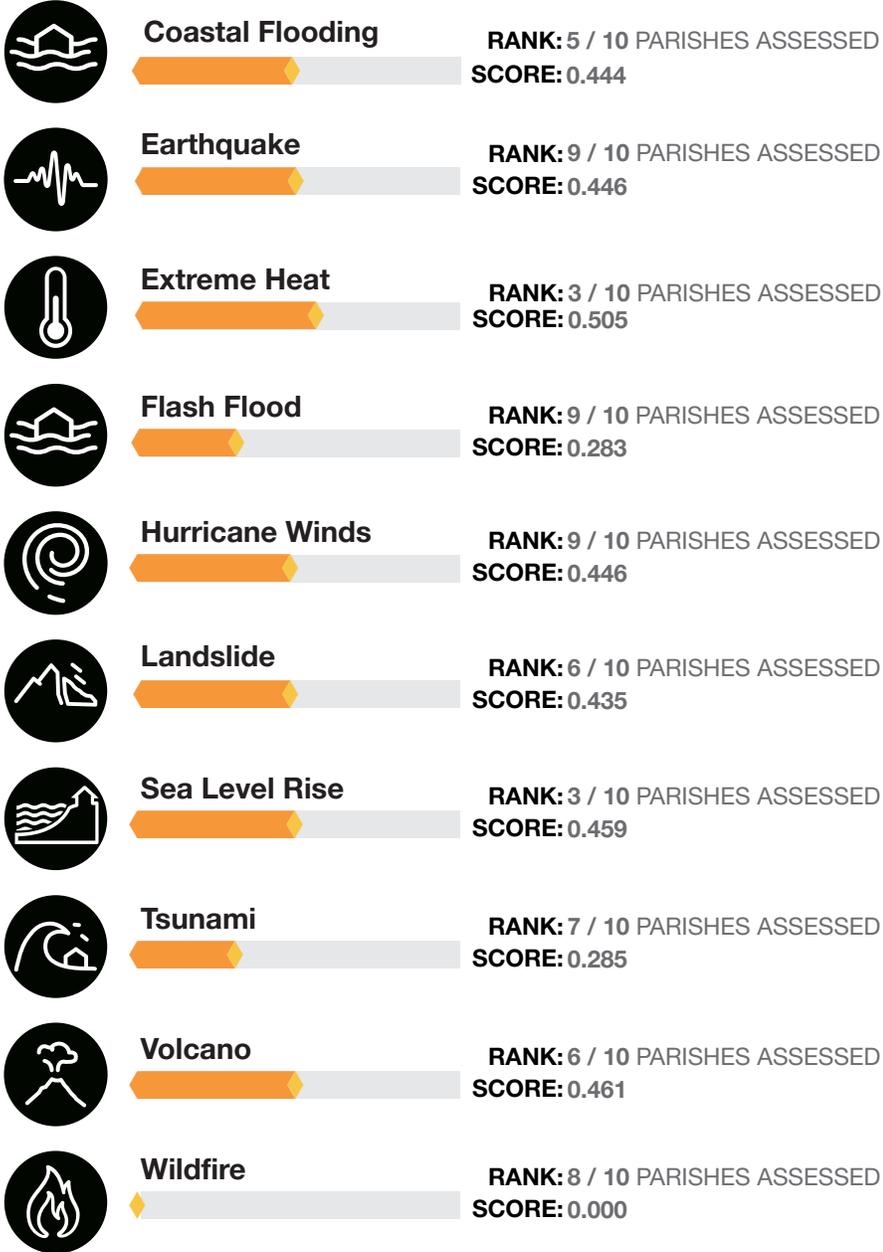


### Warehouse Access

Efficient storage, movement and delivery of resources are key to effective humanitarian assistance and disaster relief operations. Access to both local and regional supply chains can significantly improve the speed and quality of response operations, reducing the negative social and economic impacts of an emergency.



## HAZARD-SPECIFIC RISK (HSR)





## MULTI-HAZARD RISK (MHR)

**6 / 10**

RANK AMONG PARISHES  
Score: 0.435



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

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

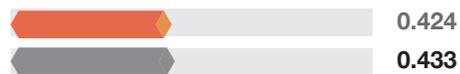
**PARISH SCORE**  
**COUNTRY SCORE**



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



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**DOMINICA**

---

# **SAINT PATRICK**

---

**NDPBA SUBNATIONAL PROFILE**

# DOMINICA SAINT PATRICK

Area: 86.7 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- Very High

Score: 0.499 • Rank: 2/10



### RESILIENCE (R)

- Low

Score: 0.486 • Rank: 7/10



### MULTI-HAZARD EXPOSURE (MHE)

- High

Score: 0.468 • Rank: 4/10



### VULNERABILITY (V)

- High

Score: 0.481 • Rank: 3/10



### COPING CAPACITY (CC)

- Low

Score: 0.453 • Rank: 7/10



Total Population (2011)

**7,361**



Coastal Population  
Concentration

**11.1%**



Poverty Rate

**42.7%**



Households with  
Reduced Water  
Availability

**30.0%**



Coastline Exposure to  
Local or Global Threats

**40.5%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 4 / 10 PARISHES ASSESSED  
SCORE: 0.468



MHE  
0.468

Raw MHE  
0.453

Relative MHE  
0.483

## ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**<1%**

👤 37

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **3%**



Hurricane Winds

**100%**

👤 7,000

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

👤 7,000

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



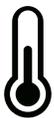
Landslide

**21%**

👤 1,470

Buildings Exposed: **20%**

Critical Infrastructure Exposed: **35%**



Extreme Heat

**59%**

👤 4,140

Buildings Exposed: **63%**

Critical Infrastructure Exposed: **69%**



Sea Level Rise

**<1%**

👤 27

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **2%**



Flash Flood

**14%**

👤 974

Buildings Exposed: **22%**

Critical Infrastructure Exposed: **21%**



Tsunami

**<1%**

👤 9

Buildings Exposed: **<1%**

Critical Infrastructure Exposed: **<1%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 4 / 10 PARISHES ASSESSED  
SCORE: 0.468

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



Volcano

**100%**

**7,000**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Wildfire

**0%**

**0**

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



## VULNERABILITY (V)

**RANK: 3 / 10 PARISHES ASSESSED**  
**SCORE: 0.481**

Vulnerability in Saint Patrick is primarily driven by Economic Constraints and Household Composition and Vulnerable Health. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Economic Constraints

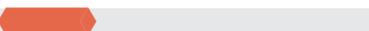
0  1 **SCORE: 0.802** **RANK: 3/10 PARISHES ASSESSED**

**59.0**  
Economic  
Dependency  
Ratio

**42.7%**  
Poverty Rate



### Environmental Stress

0  1 **SCORE: 0.234** **RANK: 8/10 PARISHES ASSESSED**

**11.1%**  
Coastal  
Population  
Concentration

**40.5%**  
Coastline  
Exposure  
to Local or  
Global Threats

**19.0%**  
Tree Cover  
Loss



### Household Infrastructure Vulnerability

0  1 **SCORE: 0.420** **RANK: 4/10 PARISHES ASSESSED**

**10.8%**  
Housing Built  
Prior to 2003

**30.0%**  
Households  
with Reduced  
Water  
Availability



### Household Composition and Vulnerable Health

0  1 **SCORE: 0.519** **RANK: 3/10 PARISHES ASSESSED**

**5.2%**  
Prevalence of  
Disability (per  
100 persons)

**0.2%**  
Institutionalized  
Population

**13.8%**  
Population  
Age 65 and  
Over

**23.3%**  
Population  
Under Age 15



### Population Pressures

0  1 **SCORE: 0.430** **RANK: 4/10 PARISHES ASSESSED**

**1.4%**  
Average Annual  
Population  
Change

**84.9**  
Population  
Density  
(persons per  
sq km)

**16.8%**  
Youth Bulge  
(population  
ages 15-24)



## ISLAND CAPACITY (IC)

**RANK: 7 / 10 PARISHES ASSESSED**  
**SCORE: 0.463**

Saint Patrick 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: 0.393** **RANK: 4/10 PARISHES ASSESSED**

<b>0.00%</b> Croplands	<b>15.9</b> Net Carbon Flux	<b>34.2%</b> Protected Terrestrial Area	<b>0.0%</b> Protected Coastlines
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### Emergency Service and Health Care Capacity

0  1 **SCORE: 0.493** **RANK: 8/10 PARISHES ASSESSED**

<b>0.6</b> Average Distance to Shelter (km)	<b>0.7</b> Average Distance to Hospital or Clinic (km)	<b>12.1</b> Average Distance to Fire Station (km)	<b>9.0</b> Average Distance to Police Station (km)	<b>1.3</b> Hospitals and Clinics per 1,000 Persons
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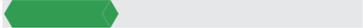
## LOGISTICS CAPACITY (LC)

**RANK: 7 / 10 PARISHES ASSESSED**  
**SCORE: 0.442**

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



### Maritime Logistics

0  1 **SCORE: 0.281** **RANK: 9/10 PARISHES ASSESSED**

<b>9.0</b> Average Distance to Seaport (km)	<b>73.4</b> Distance to External Medium or Large Seaport (km)	<b>0.0</b> Port Density (ports per 10 km of coastline)
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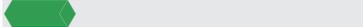
### Air Support

0  1 **SCORE: 0.813** **RANK: 3/10 PARISHES ASSESSED**

<b>77.1</b> Distance to External C130 Airport (km)	<b>1.8</b> Average Distance to Airport or Heliport (km)
---	---



### Transportation Capacity

0  1 **SCORE: 0.158** **RANK: 7/10 PARISHES ASSESSED**

<b>0.1</b> Gas Stations per 1,000 Persons	<b>1.5</b> Road Density (km of roads per sq km)
--	--



### Warehouse Access

0  1 **SCORE: 0.518** **RANK: 7/10 PARISHES ASSESSED**

<b>11.5</b> Average Distance to Warehouse (km)	<b>295.6</b> Distance to CDEMA Sub- Regional Focal Point (km)
--	---



## 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: 7 / 10** PARISHES ASSESSED  
**SCORE: 0.453**



## RESILIENCE (R)

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

**RANK: 7 / 10** PARISHES ASSESSED  
**SCORE: 0.486**

## KEY FACTORS INFLUENCING RESILIENCE

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

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



### Economic Constraints

Economic constraints have individual, household, community, and region-wide influence. Limitations on available financial resources reduce opportunities to invest in mitigation and preparedness measures and limit the ability to facilitate short- and long-term recovery.



### Household Composition and Vulnerable Health

Households with dependent populations, such as the very young, elderly and the disabled, and populations living in institutional settings may have more difficulty with mobilizing and evacuating in a timely fashion and therefore become even more susceptible to harm during times of disaster. Further, the deaf or hard of hearing may not hear audible hazard alerts. Once evacuated, these populations will require additional services and care considerations in the response aftermath and during recovery. Plans and strategies must consider the special accommodations for these populations during response and recovery, including evacuation and sheltering.



### Transportation Capacity

Dense road networks and refueling locations facilitate the evacuation of populations during a disaster and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.

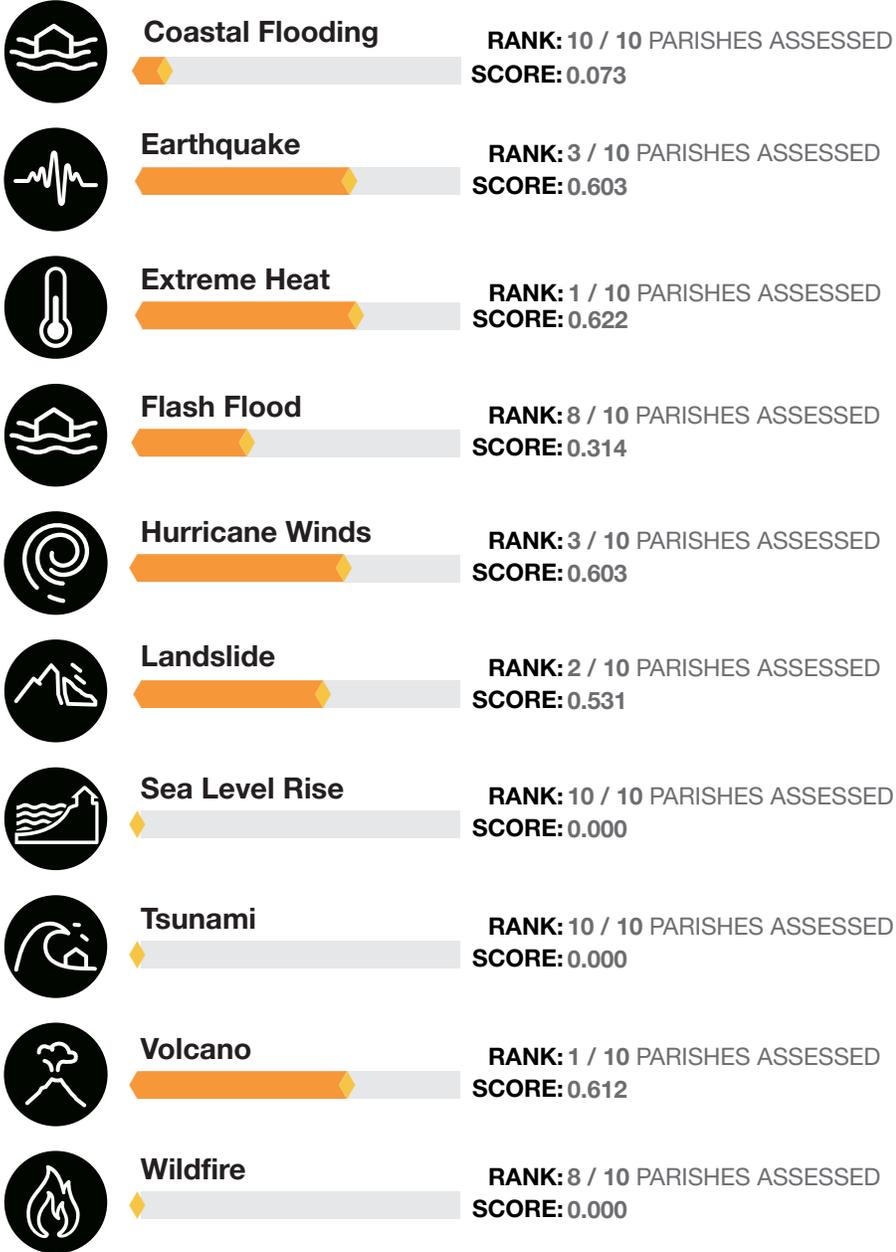


### Maritime Logistics

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.



## HAZARD-SPECIFIC RISK (HSR)





## MULTI-HAZARD RISK (MHR)

**2 / 10**

RANK AMONG PARISHES  
Score: 0.499



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

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

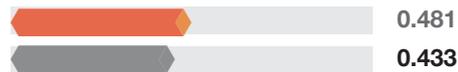
**PARISH SCORE**  
**COUNTRY SCORE**



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



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**DOMINICA**

**SAINT PAUL**

---

**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%**



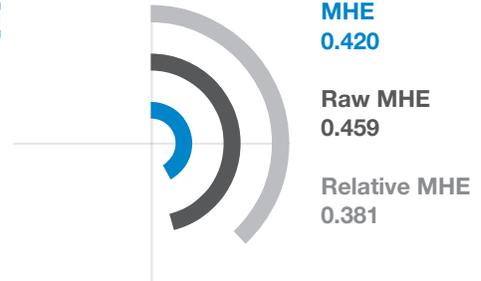
Coastline Exposure to  
Local or Global Threats

**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%**



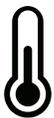
Landslide

**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%**



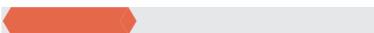
## VULNERABILITY (V)

**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)



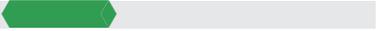
## ISLAND CAPACITY (IC)

**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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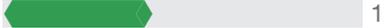
## LOGISTICS CAPACITY (LC)

**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.



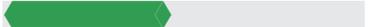
### Maritime Logistics

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)
--	--	--



### 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)
---	---



### 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)
--	--



### 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)
---	---



## 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)

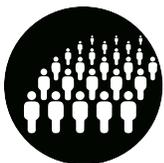
Resilience in Dominica was calculated by using a combination of Vulnerability and Coping Capacity (including both Island Capacity and Logistics Capacity).

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

## 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



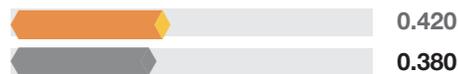
Saint Paul's score and ranking are due to Moderate Multi-Hazard Exposure combined with High Vulnerability and Moderate Coping Capacity scores.

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

PARISH SCORE  
COUNTRY SCORE



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



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**www.pdc.org**



**ndpba.eci@pdc.org**



© Robert Laroc

**DOMINICA**

**SAINT PETER**

**NDPBA SUBNATIONAL PROFILE**

# DOMINICA SAINT PETER

Area: 34.2 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- Very Low

Score: 0.349 • Rank: 10/10



### RESILIENCE (R)

- Moderate

Score: 0.510 • Rank: 6/10



### MULTI-HAZARD EXPOSURE (MHE)

- Very Low

Score: 0.067 • Rank: 10/10



### VULNERABILITY (V)

- Low

Score: 0.334 • Rank: 8/10



### COPING CAPACITY (CC)

- Very Low

Score: 0.353 • Rank: 9/10



Total Population (2011)

**1,371**



Coastal Population  
Concentration

**1.0%**



Poverty Rate

**23.7%**



Households with  
Reduced Water  
Availability

**35.9%**



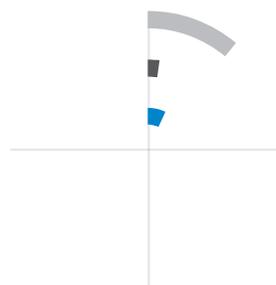
Coastline Exposure to  
Local or Global Threats

**0.0%**



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 10 / 10 PARISHES ASSESSED  
SCORE: 0.067



MHE  
0.067

Raw MHE  
0.023

Relative MHE  
0.111

### ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**6%**

**71**

Buildings Exposed: **10%**

Critical Infrastructure Exposed: **41%**



Hurricane Winds

**100%**

**1,290**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Earthquake

**100%**

**1,290**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Landslide

**34%**

**443**

Buildings Exposed: **33%**

Critical Infrastructure Exposed: **58%**



Extreme Heat

**0%**

**0**

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Sea Level Rise

**4%**

**57**

Buildings Exposed: **10%**

Critical Infrastructure Exposed: **41%**



Flash Flood

**22%**

**287**

Buildings Exposed: **33%**

Critical Infrastructure Exposed: **46%**



Tsunami

**2%**

**30**

Buildings Exposed: **3%**

Critical Infrastructure Exposed: **31%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 10 / 10 PARISHES ASSESSED  
SCORE: 0.067

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



Volcano

**0%**

**0**

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**



Wildfire

**11%**

**148**

Buildings Exposed: **10%**

Critical Infrastructure Exposed: **5%**



## VULNERABILITY (V)

**RANK: 8 / 10 PARISHES ASSESSED**  
**SCORE: 0.334**

Vulnerability in Saint Peter is primarily driven by Household Composition and Vulnerable Health and Environmental Stress. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Economic Constraints

0  1 **SCORE: 0.348** **RANK: 6/10 PARISHES ASSESSED**

**52.3**

Economic  
Dependency  
Ratio

**23.7%**

Poverty Rate



### Environmental Stress

0  1 **SCORE: 0.474** **RANK: 4/10 PARISHES ASSESSED**

**1.0%**

Coastal  
Population  
Concentration

**0.0%**

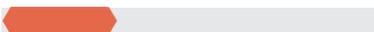
Coastline  
Exposure  
to Local or  
Global Threats

**30.0%**

Tree Cover  
Loss



### Household Infrastructure Vulnerability

0  1 **SCORE: 0.278** **RANK: 8/10 PARISHES ASSESSED**

**9.5%**

Housing Built  
Prior to 2003

**35.9%**

Households  
with Reduced  
Water  
Availability



### Household Composition and Vulnerable Health

0  1 **SCORE: 0.488** **RANK: 4/10 PARISHES ASSESSED**

**6.2%**

Prevalence of  
Disability (per  
100 persons)

**0.2%**

Institutionalized  
Population

**14.3%**

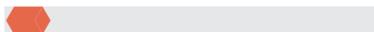
Population  
Age 65 and  
Over

**20.1%**

Population  
Under Age 15



### Population Pressures

0  1 **SCORE: 0.083** **RANK: 10/10 PARISHES ASSESSED**

**0.6%**

Average Annual  
Population  
Change

**40.1**

Population  
Density  
(persons per  
sq km)

**14.8%**

Youth Bulge  
(population  
ages 15-24)



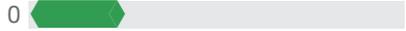
## ISLAND CAPACITY (IC)

**RANK: 9 / 10 PARISHES ASSESSED**  
**SCORE: 0.396**

Saint Peter 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: 0.229** **RANK: 7/10 PARISHES ASSESSED**

<b>0.00%</b> Croplands	<b>18.1</b> Net Carbon Flux	<b>12.1%</b> Protected Terrestrial Area	<b>0.0%</b> Protected Coastlines
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### Emergency Service and Health Care Capacity

0  1 **SCORE: 0.467** **RANK: 9/10 PARISHES ASSESSED**

<b>2.0</b> Average Distance to Shelter (km)	<b>1.3</b> Average Distance to Hospital or Clinic (km)	<b>8.4</b> Average Distance to Fire Station (km)	<b>2.4</b> Average Distance to Police Station (km)	<b>1.6</b> Hospitals and Clinics per 1,000 Persons
--	---	---	---	---



## LOGISTICS CAPACITY (LC)

**RANK: 8 / 10 PARISHES ASSESSED**  
**SCORE: 0.311**

Saint Peter exhibits weaker Logistics Capacity in the areas of Transportation Capacity and Warehouse Access. The bar charts indicate the socioeconomic themes contributing to the overall Logistics Capacity score.



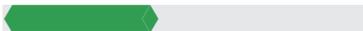
### Maritime Logistics

0  1 **SCORE: 0.466** **RANK: 6/10 PARISHES ASSESSED**

<b>2.3</b> Average Distance to Seaport (km)	<b>77.3</b> Distance to External Medium or Large Seaport (km)	<b>1.0</b> Port Density (ports per 10 km of coastline)
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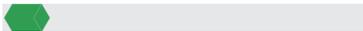
### Air Support

0  1 **SCORE: 0.395** **RANK: 8/10 PARISHES ASSESSED**

<b>80.8</b> Distance to External C130 Airport (km)	<b>7.6</b> Average Distance to Airport or Heliport (km)
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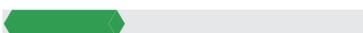
### Transportation Capacity

0  1 **SCORE: 0.084** **RANK: 9/10 PARISHES ASSESSED**

<b>0.0</b> Gas Stations per 1,000 Persons	<b>1.7</b> Road Density (km of roads per sq km)
--	--



### Warehouse Access

0  1 **SCORE: 0.300** **RANK: 9/10 PARISHES ASSESSED**

<b>6.6</b> Average Distance to Warehouse (km)	<b>326.6</b> Distance to CDEMA Sub- Regional Focal Point (km)
---	---



## 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: 9 / 10** PARISHES ASSESSED  
**SCORE: 0.353**



## RESILIENCE (R)

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

**RANK: 6 / 10** PARISHES ASSESSED  
**SCORE: 0.510**

## KEY FACTORS INFLUENCING RESILIENCE

Saint Peter's score and ranking are due to Low Vulnerability combined with Very Low Coping Capacity scores.

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



### Household Composition and Vulnerable Health

Households with dependent populations, such as the very young, elderly and the disabled, and populations living in institutional settings may have more difficulty with mobilizing and evacuating in a timely fashion and therefore become even more susceptible to harm during times of disaster. Further, the deaf or hard of hearing may not hear audible hazard alerts. Once evacuated, these populations will require additional services and care considerations in the response aftermath and during recovery. Plans and strategies must consider the special accommodations for these populations during response and recovery, including evacuation and sheltering.



### 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.



### Transportation Capacity

Dense road networks and refueling locations facilitate the evacuation of populations during a disaster and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



### Warehouse Access

Efficient storage, movement and delivery of resources are key to effective humanitarian assistance and disaster relief operations. Access to both local and regional supply chains can significantly improve the speed and quality of response operations, reducing the negative social and economic impacts of an emergency.



## HAZARD-SPECIFIC RISK (HSR)



**Coastal Flooding**

**RANK: 3 / 10 PARISHES ASSESSED**  
**SCORE: 0.451**



**Earthquake**

**RANK: 7 / 10 PARISHES ASSESSED**  
**SCORE: 0.505**



**Extreme Heat**

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



**Flash Flood**

**RANK: 7 / 10 PARISHES ASSESSED**  
**SCORE: 0.327**



**Hurricane Winds**

**RANK: 7 / 10 PARISHES ASSESSED**  
**SCORE: 0.505**



**Landslide**

**RANK: 3 / 10 PARISHES ASSESSED**  
**SCORE: 0.518**



**Sea Level Rise**

**RANK: 2 / 10 PARISHES ASSESSED**  
**SCORE: 0.460**



**Tsunami**

**RANK: 6 / 10 PARISHES ASSESSED**  
**SCORE: 0.297**



**Volcano**

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



**Wildfire**

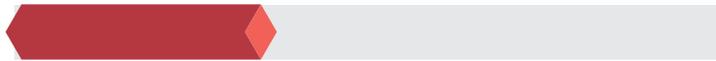
**RANK: 4 / 10 PARISHES ASSESSED**  
**SCORE: 0.309**



## MULTI-HAZARD RISK (MHR)

**10 / 10**

RANK AMONG PARISHES  
Score: 0.349



Saint Peter's score and ranking are due to Very Low Multi-Hazard Exposure combined with Low Vulnerability and Very Low Coping Capacity scores.

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

PARISH SCORE  
COUNTRY SCORE



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



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