



ST. LUCIA

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# LABORIE

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**NDPBA SUBNATIONAL PROFILE**

# ST. LUCIA LABORIE

Area: 37.81 km<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



### MULTI-HAZARD RISK (MHR)

- Very Low

Score: 0.337 • Rank: 9/10



### RESILIENCE (R)

- High

Score: 0.519 • Rank: 4/10



### MULTI-HAZARD EXPOSURE (MHE)

- Very Low

Score: 0.047 • Rank: 10/10



### VULNERABILITY (V)

- Low

Score: 0.449 • Rank: 7/10



### COPING CAPACITY (CC)

- High

Score: 0.486 • Rank: 4/10



Population (2010 Census)

**6,841**



Net Primary Enrollment

**66.6%**



Prevalence of Chronic Illness (per 100 persons)

**26.6**



Poverty Rate

**23.4%**



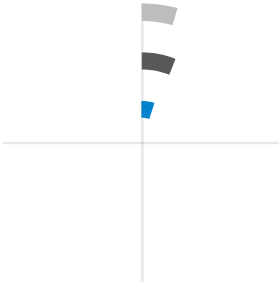
Population with No Internet Access

**60.1%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 10 / 10 DISTRICTS ASSESSED  
SCORE: 0.047



MHE  
0.047

Raw MHE  
0.055

Relative MHE  
0.040

## ESTIMATED EXPOSURE TO EACH HAZARD:



Coastal Flooding

**1%**

67

Buildings Exposed: **2%**  
Critical Infrastructure Exposed: **13%**



Hurricane Winds

**100%**

4,620

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



Earthquake

**100%**

4,620

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



Landslide

**22%**

1,030

Buildings Exposed: **27%**  
Critical Infrastructure Exposed: **38%**



Extreme Heat

**1%**

40

Buildings Exposed: **1%**  
Critical Infrastructure Exposed: **0%**



Sea Level Rise

**1%**

56

Buildings Exposed: **1%**  
Critical Infrastructure Exposed: **13%**



Flash Flood

**0%**

0

Buildings Exposed: **<1%**  
Critical Infrastructure Exposed: **13%**



Tsunami

**6%**

258

Buildings Exposed: **12%**  
Critical Infrastructure Exposed: **26%**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 10 / 10 DISTRICTS ASSESSED  
SCORE: 0.047

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



Volcanic Ashfall

**100%**

**4,620**

Buildings Exposed: **100%**

Critical Infrastructure Exposed: **100%**



Volcano

**74%**

**3,420**

Buildings Exposed: **64%**

Critical Infrastructure Exposed: **55%**



Wildfire

**0%**

**0**

Buildings Exposed: **0%**

Critical Infrastructure Exposed: **0%**





## VULNERABILITY (V)

**RANK: 7 / 10 DISTRICTS ASSESSED**  
**SCORE: 0.449**

Vulnerability in Laborie is primarily driven by Economic Constraints and Housing and Transportation Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Information Access Vulnerability

0  1 **SCORE: 0.506** **RANK: 8/10 DISTRICTS ASSESSED**

**66.6%**  
Net Primary  
Enrollment

**53.3%**  
Highest  
Education  
Level Primary  
School

**20.5%**  
Households  
with Desktop  
Computer

**84.5%**  
Households  
with TV

**60.1%**  
Population  
with No  
Internet  
Access



### Economic Constraints

0  1 **SCORE: 0.587** **RANK: 5/10 DISTRICTS ASSESSED**

**52.0**  
Economic  
Dependency  
Ratio

**36.8%**  
Unemployment  
Rate

**23.4%**  
Poverty Rate



### Gender Inequality

0  1 **SCORE: 0.308** **RANK: 9/10 DISTRICTS ASSESSED**

**18.75**  
Adolescent  
Birth Rate

**0.03**  
Female to  
Male Literacy

**0.31**  
Female  
to Male  
Secondary  
Enrollment

**0.14**  
Female to  
Male Labor  
Ratio



### Housing and Transportation Vulnerability

0  1 **SCORE: 0.508** **RANK: 3/10 DISTRICTS ASSESSED**

**62.3%**  
Housing Built  
Prior to 2000

**72.9%**  
Households  
without a  
Private Vehicle

**8.1%**  
Household  
Occupancy  
Squatting



## VULNERABILITY (V)

RANK: 7 / 10 DISTRICTS ASSESSED  
SCORE: 0.449



### Household Composition and Vulnerable Health

0  1 SCORE: 0.461 RANK: 4/10 DISTRICTS ASSESSED

**0.0**

Infant Mortality Rate (per 1,000 live births)

**26.6**

Prevalence of Chronic Illness (per 100 persons)

**19.4**

Prevalence of Disability (per 100 persons)

**10.5%**

Population Age 65 and Over

**23.0%**

Population Under Age 15



### Clean Water Access Vulnerability

0  1 SCORE: 0.327 RANK: 6/10 DISTRICTS ASSESSED

**72%**

Households with Piped Drinking Water

**63%**

Households with Flush Toilet



## ISLAND CAPACITY (IC)

**RANK: 4 / 10 DISTRICTS ASSESSED**  
**SCORE: 0.486**

Laborie exhibits weaker Island Capacity in the areas of Health Care Capacity and Emergency Services Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Island Capacity score.



### Economic Capacity

0  1 **SCORE: 0.452** **RANK: 7/10 DISTRICTS ASSESSED**

<b>5.7%</b> Persons Receiving Remittances	<b>12.5%</b> Households with Home Insurance	<b>71.2%</b> Labor Force Participation Rate
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### Environmental Capacity

0  1 **SCORE: 0.370** **RANK: 8/10 DISTRICTS ASSESSED**

<b>0.4%</b> Croplands	<b>-14.5</b> Net Carbon Flux	<b>29.0%</b> Protected Terrestrial Area	<b>86.9%</b> Protected Coastlines
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### Infrastructure Capacity

0  1 **SCORE: 0.569** **RANK: 6/10 DISTRICTS ASSESSED**



### Communications Capacity

0  1 **SCORE: 0.658** **RANK: 2/10 DISTRICTS ASSESSED**

<b>41.4%</b> Households with Fixed Phone Access	<b>82.5%</b> Households with Mobile Phone Access
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### Emergency Services Capacity

0  1 **SCORE: 0.530** **RANK: 7/10 DISTRICTS ASSESSED**

<b>0.6</b> Average Distance to Shelter (km)	<b>2.3</b> Average Distance to Hospital or Clinic (km)	<b>5.5</b> Average Distance to Fire Station (km)	<b>2.7</b> Average Distance to Police Station (km)
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### Energy Capacity

0  1 **SCORE: 0.823** **RANK: 5/10 DISTRICTS ASSESSED**

<b>93.7%</b> Households with Electricity	<b>88.1%</b> Households Using Gas for Cooking
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### Health Care Capacity

0  1 **SCORE: 0.266** **RANK: 9/10 DISTRICTS ASSESSED**

<b>50.7%</b> Persons with Health Insurance Coverage	<b>0.2</b> Hospitals and Clinics per 1,000 Persons
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## LOGISTICS CAPACITY (LC)

**RANK: 9 / 10 DISTRICTS ASSESSED**  
**SCORE: 0.326**

Laborie 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: 0.237** **RANK: 9/10 DISTRICTS ASSESSED**

<b>2.7</b> Average Distance to Seaport (km)	<b>84.0</b> Distance to External Medium or Large Seaport (km)	<b>0.11</b> Port Density (ports per km of coastline)
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### Air Support

0  1 **SCORE: 0.483** **RANK: 4/10 DISTRICTS ASSESSED**

<b>66.4</b> Distance to External C130 Airport (km)	<b>7.0</b> Average Distance to Airport or Heliport (km)
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### Transportation Capacity

0  1 **SCORE: 0.829** **RANK: 2/10 DISTRICTS ASSESSED**

<b>0.7</b> Gas Stations per 1,000 Persons	<b>2.8</b> Road Density (km of roads per sq km)
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### Warehouse Access

0  1 **SCORE: 0.329** **RANK: 7/10 DISTRICTS ASSESSED**

<b>28.7</b> Average Distance to Warehouse (km)	<b>162.3</b> Distance to CDEMA Sub-Regional Focal Point (km)
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## COPING CAPACITY (CC)

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

**RANK: 4 / 10** DISTRICTS ASSESSED  
**SCORE: 0.486**



## RESILIENCE (R)

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

**RANK: 4 / 10** DISTRICTS ASSESSED  
**SCORE: 0.519**

## KEY FACTORS INFLUENCING RESILIENCE

Laborie'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:



### 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.



### Housing and Transportation 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, those with unmet housing needs or whose household occupancy is squatted have increased susceptibility to negative consequences as a result of hazard exposure. Populations with limited vehicle access are more likely to experience mobility challenges during an evacuation, and have difficulty accessing needed supplies and services before, during and after a hazard event.



### 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)

	<b>Coastal Flooding</b>	<b>RANK: 9 / 10</b> DISTRICTS ASSESSED <b>SCORE: 0.184</b>
	<b>Earthquake</b>	<b>RANK: 9 / 10</b> DISTRICTS ASSESSED <b>SCORE: 0.511</b>
	<b>Extreme Heat</b>	<b>RANK: 8 / 10</b> DISTRICTS ASSESSED <b>SCORE: 0.042</b>
	<b>Flash Flood</b>	<b>RANK: 7 / 10</b> DISTRICTS ASSESSED <b>SCORE: 0.104</b>
	<b>Hurricane Winds</b>	<b>RANK: 9 / 10</b> DISTRICTS ASSESSED <b>SCORE: 0.511</b>
	<b>Landslide</b>	<b>RANK: 3 / 10</b> DISTRICTS ASSESSED <b>SCORE: 0.414</b>
	<b>Sea Level Rise</b>	<b>RANK: 9 / 10</b> DISTRICTS ASSESSED <b>SCORE: 0.175</b>
	<b>Tsunami</b>	<b>RANK: 9 / 10</b> DISTRICTS ASSESSED <b>SCORE: 0.221</b>
	<b>Volcanic Ashfall</b>	<b>RANK: 9 / 10</b> DISTRICTS ASSESSED <b>SCORE: 0.511</b>
	<b>Volcano</b>	<b>RANK: 5 / 10</b> DISTRICTS ASSESSED <b>SCORE: 0.468</b>
	<b>Wildfire</b>	<b>RANK: 6 / 10</b> DISTRICTS ASSESSED <b>SCORE: 0.000</b>



## MULTI-HAZARD RISK (MHR)

9 / 10

RANK AMONG DISTRICTS  
Score: 0.337



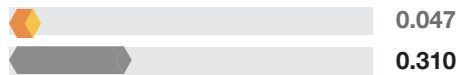
Laborie's score and ranking are due to Very Low Multi-Hazard Exposure combined with Low Vulnerability and High Coping Capacity scores.

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

DISTRICT SCORE  
COUNTRY SCORE



#### Multi-Hazard Exposure



#### Vulnerability



#### Coping Capacity



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