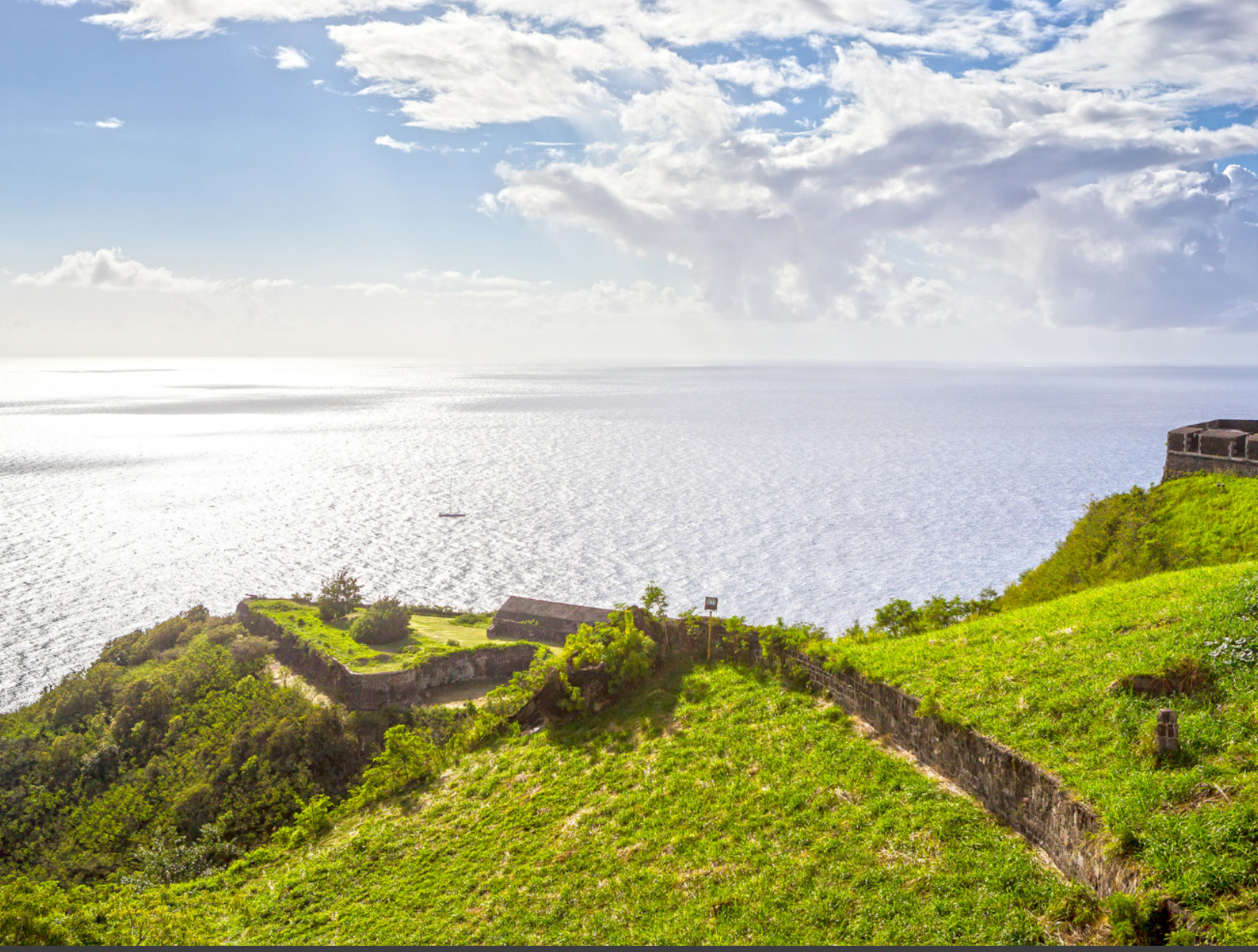


ST. KITTS & NEVIS

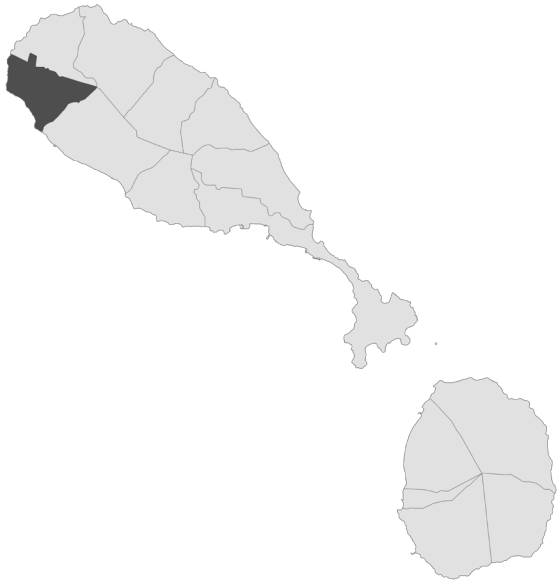
SAINT ANNE SANDY POINT

NDPBA SUBNATIONAL PROFILE

PDC | GLOBAL

ST. KITTS & NEVIS
SAINT ANNE SANDY POINT

Area: 12.74 km2



RISK AND VULNERABILITY
COMPONENT SCORE

MULTI-HAZARD RISK (MHR)
- High
Score: 0.577 • Rank: 4/14

RESILIENCE (R)
- Low
Score: 0.405 • Rank: 10/14

MULTI-HAZARD EXPOSURE (MHE)
- Very High
Score: 0.542 • Rank: 2/14

VULNERABILITY (V)
- Very High
Score: 0.701 • Rank: 1/14

COPING CAPACITY (CC)
- Moderate
Score: 0.511 • Rank: 7/14

Total Population (2022)
2,969

Population Under Age 15
24.9%

Housing Built Prior to 2000
74.3%

Households without Home Insurance
48.5%

Coastline Exposure to Local or Global Threats
44.3%

MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 14 PARISH
SCORE: 0.542

MHE
0.542

Raw MHE
0.083

Relative MHE
1.000

ESTIMATED EXPOSURE TO EACH HAZARD:

Coastal Flooding
3%
75
Buildings Exposed: **1%**
Critical Infrastructure Exposed: **10%**

Hurricane Winds
100%
2,830
Buildings Exposed: **100%**
Critical Infrastructure Exposed: **100%**

Earthquake
100%
2,830
Buildings Exposed: **100%**
Critical Infrastructure Exposed: **100%**

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

Extreme Heat
100%
2,830
Buildings Exposed: **100%**
Critical Infrastructure Exposed: **100%**

Sea Level Rise
2%
56
Buildings Exposed: **1%**
Critical Infrastructure Exposed: **10%**

Flash Flood
100%
2,830
Buildings Exposed: **100%**
Critical Infrastructure Exposed: **100%**

Tsunami
63%
1,790
Buildings Exposed: **50%**
Critical Infrastructure Exposed: **67%**

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

MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 14 PARISH
SCORE: 0.542

ESTIMATED EXPOSURE TO EACH HAZARD *(CONTINUED)*:

Volcano
100%
2,830
Buildings Exposed: **100%**
Critical Infrastructure Exposed: **100%**

Wildfire
26%
724
Buildings Exposed: **42%**
Critical Infrastructure Exposed: **23%**

VULNERABILITY (V)

RANK: 1 / 14 PARISH ASSESSED
SCORE: 0.701

Vulnerability in Saint Anne Sandy Point is primarily driven by Household Infrastructure Vulnerability and Economic Dependence. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.

Economic Dependence

0 — 1 **SCORE: 0.651** **RANK: 2/14** PARISH ASSESSED

46.0	6.6%	24.9%	18.6%
Economic Dependency Ratio	Population Age 65 and Over	Population Under Age 15	Youth Bulge (population ages 15-24)

Environmental Pressures

0 — 1 **SCORE: 0.236** **RANK: 13/14** PARISH ASSESSED

-0.02	206.1	44.3%	1.5%
Average Annual Population Change	Population Density (persons per sq km)	Coastline Exposure to Local or Global Threats	Tree Cover Loss

Household Infrastructure Vulnerability

0 — 1 **SCORE: 0.853** **RANK: 2/14** PARISH ASSESSED

74.3%	85.0%	48.5%	83.3%
Housing Built Prior to 2000	Households with Flush Toilets	Households without Home Insurance	Households with Piped Water

ISLAND CAPACITY (IC)

RANK: 2 / 14 PARISH ASSESSED
SCORE: 0.741

Saint Anne Sandy Point exhibits weaker Island Capacity in the areas of Energy Capacity and Emergency Services Capacity. The bar charts indicate the socioeconomic themes contributing to the overall Island Capacity score.

Environmental Capacity

0 — 1 **SCORE: 0.254** **RANK: 9/14** PARISH ASSESSED

-2.1 Average Annual Net Carbon Flux

5.5% Croplands

18.8% Protected Terrestrial Area

Governance Capacity

0 — 1 **SCORE: 0.987** **RANK: 2/14** PARISH ASSESSED

– Voter Participation Rate

98.8% Household Waste Disposal

Infrastructure Capacity

0 — 1 **SCORE: 0.699** **RANK: 3/14** PARISH ASSESSED

Emergency Services Capacity

0 — 1 **SCORE: 0.713** **RANK: 9/14** PARISH ASSESSED

8.8 Average Distance to Fire Station (km)

0.9 Average Distance to Hospital or Clinic (km)

0.6 Average Distance to Police Station (km)

0.8 Average Distance to Shelter (km)

Energy Capacity

0 — 1 **SCORE: 0.655** **RANK: 10/14** PARISH ASSESSED

95.6% Households with Electric Lighting

94.5% Households Using Gas for Cooking

Health Care Capacity

0 — 1 **SCORE: 0.730** **RANK: 3/14** PARISH ASSESSED

0.7 Hospitals and Clinics per 1,000 Persons

LOGISTICS CAPACITY (LC)

RANK: 12 / 14 PARISH ASSESSED
SCORE: 0.281

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

Maritime Logistics

0 — 1 **SCORE: 0.220** **RANK: 11/14** PARISH ASSESSED

3.1 Average Distance to Seaport (km)

105.2 Distance to External Medium or Large Seaport (km)

0.00 Port Density (ports per km of coastline)

Air Support

0 — 1 **SCORE: 0.482** **RANK: 10/14** PARISH ASSESSED

76.7 Distance to External C130 Airport (km)

15.7 Average Distance to Airport or Heliport (km)

Transportation Capacity

0 — 1 **SCORE: 0.351** **RANK: 7/14** PARISH ASSESSED

0.4 Gas Stations per 1,000 Persons

3.4 Road Density (km of roads per sq km)

Warehouse Access

0 — 1 **SCORE: 0.070** **RANK: 13/14** PARISH ASSESSED

14.4 Average Distance to Warehouse (km)

105.2 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 St. Kitts & Nevis was calculated by using a combination of Island Capacity and Logistics Capacity.

RANK: 7 / 14 PARISH ASSESSED
SCORE: 0.511

RESILIENCE (R)

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

RANK: 10 / 14 PARISH ASSESSED
SCORE: 0.405

KEY FACTORS INFLUENCING RESILIENCE

Saint Anne Sandy Point's score and ranking are due to Very High Vulnerability combined with Moderate 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. Furthermore, households without home insurance are more likely to face increased financial burdens and experience delays in disaster recovery processes. 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 Dependence

Households with dependent populations, such as the very young and elderly, or young people with limited means and opportunities often lack available financial resources to invest in mitigation and preparedness measures that facilitate short- and long-term recovery. Furthermore, these populations can experience difficulty mobilizing and evacuating in a timely fashion and therefore become even more susceptible to harm during times of disaster. Plans and strategies must consider the special accommodations and care considerations for these populations during response and recovery, including evacuation and sheltering.

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.

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: 7 / 14 PARISH ASSESSED
SCORE: 0.356

Earthquake
RANK: 5 / 14 PARISH ASSESSED
SCORE: 0.557

Extreme Heat
RANK: 5 / 14 PARISH ASSESSED
SCORE: 0.557

Flash Flood
RANK: 3 / 14 PARISH ASSESSED
SCORE: 0.736

Hurricane Winds
RANK: 5 / 14 PARISH ASSESSED
SCORE: 0.557

Landslide
RANK: 13 / 14 PARISH ASSESSED
SCORE: 0.000

Sea Level Rise
RANK: 5 / 14 PARISH ASSESSED
SCORE: 0.359

Tsunami
RANK: 2 / 14 PARISH ASSESSED
SCORE: 0.506

Volcano
RANK: 3 / 14 PARISH ASSESSED
SCORE: 0.634

Wildfire
RANK: 4 / 14 PARISH ASSESSED
SCORE: 0.476

MULTI-HAZARD RISK (MHR)

4 / 14
RANK WITHIN PARISH
Score: 0.577

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

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

Multi-Hazard Exposure

Vulnerability

Coping Capacity

PDC | GLOBAL

Better solutions.
Fewer disasters.

Safer world.

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