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NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT

PARISH PROFILES

SUBNATIONAL ASSESSMENT RESULTS



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NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT PARISH PROFILE - CLARENDON

Clarendon: Risk

Clarendon ranks **1st** of **14** on the Multi-Hazard Risk Index with a score of **0.665**. Clarendon's score and ranking are due to very high Multi-Hazard Exposure combined with moderate Coping Capacity and very high Vulnerability scores (see Figure 1). Clarendon has the **2nd** highest Multi-Hazard Exposure in the country, the highest Vulnerability (Ranked 1 of 14), and the **7th** highest Coping Capacity.

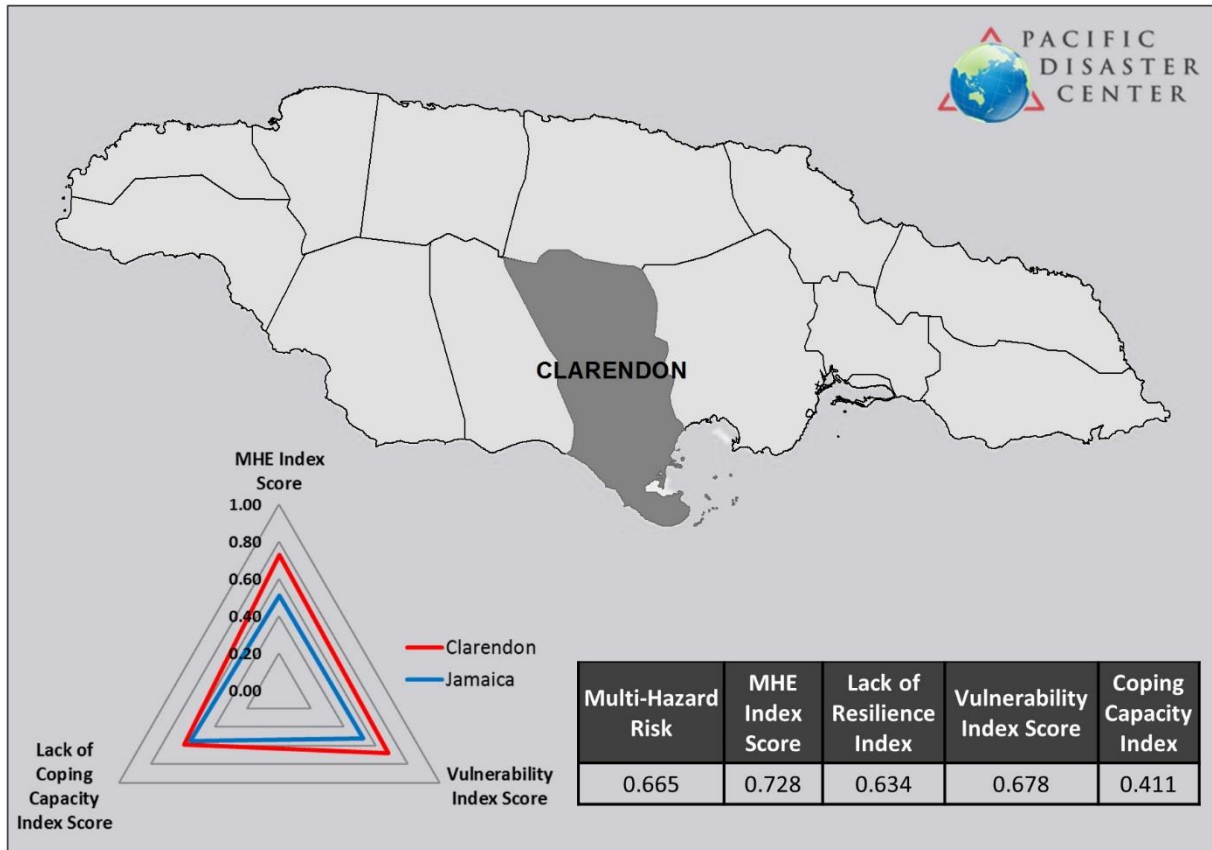


Figure 1. Risk scores for the parish of Clarendon

Clarendon: Lack of Resilience

Clarendon ranks **1st** of **14** on the Lack of Resilience Index with a score of **0.634** (refer to Table 1). Clarendon’s score and ranking are due to very high Vulnerability combined with moderate Coping Capacity scores. Clarendon has the highest Vulnerability and the 7th highest Coping Capacity.

The three thematic areas with the weakest relative scores for the Parish of Clarendon are: **Clean Water Vulnerability, Environmental Stress, and Economic Capacity.**

Table 1. Lack of Resilience Index and Component scores for Clarendon

Index	Clarendon	
	Score	Rank
Lack of Resilience	0.634	1
Components		
Vulnerability	0.678	1
Coping Capacity	0.411	7

Clarendon: Coping Capacity

Clarendon’s coping capacity ranks **7th** out of **14** with a score of **0.411** (see Table 2). The thematic areas with the weakest relative scores are **Economic Capacity, Governance** and **Infrastructure (Communications)** (refer also to Figure 2). These thematic areas appear to constrain coping capacity within this parish.

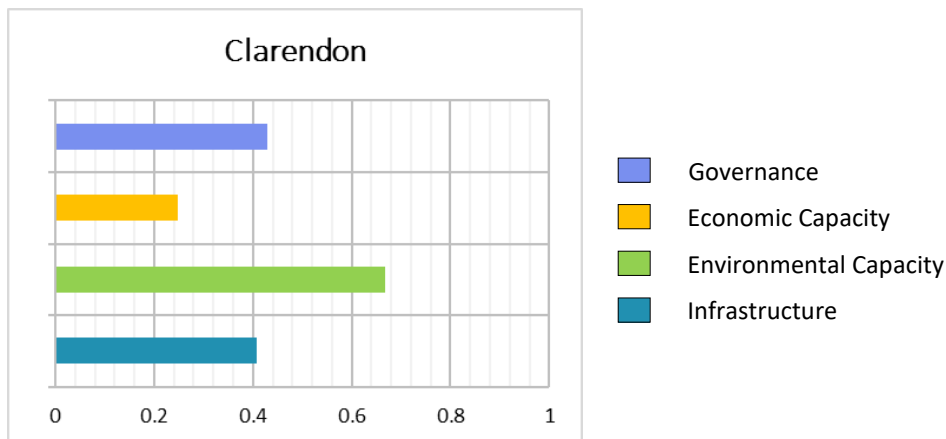


Figure 2. Coping Capacity subcomponents for Clarendon

Table 2. Coping Capacity Index, subcomponent and sub-index scores for Clarendon

Index	Clarendon	
	Score	Rank
Coping Capacity	0.411	7
Subcomponents		
Governance	0.429	10
Economic Capacity	0.249	9
Environmental Capacity	0.667	3
Infrastructure	0.408	7
Infrastructure Sub-indices		
Health Care	0.401	8
Transportation	0.457	5
Communications	0.367	11

Clarendon: Vulnerability

Clarendon ranks **1st** out of **14** on the Vulnerability Index with a score of **0.678**. Vulnerability in Clarendon is strongly influenced by **Clean Water Vulnerability, Environmental Stress, Information Access Vulnerability, Vulnerable Health Status, Economic Constraints, and Gender Inequality** subcomponent scores (see Table 3 and Figure 3).

Table 3. Vulnerability Index and subcomponent index scores for Clarendon

Index	Clarendon	
	Score	Rank
Vulnerability	0.678	1
Subcomponents		
Economic Constraints	0.689	2
Info Access Vulnerability	0.719	6
Vulnerable Health Status	0.674	1
Clean Water Vulnerability	0.881	2
Environmental Stress	0.737	1
Recent Disaster Impacts	0.439	9
Gender Inequality	0.607	3

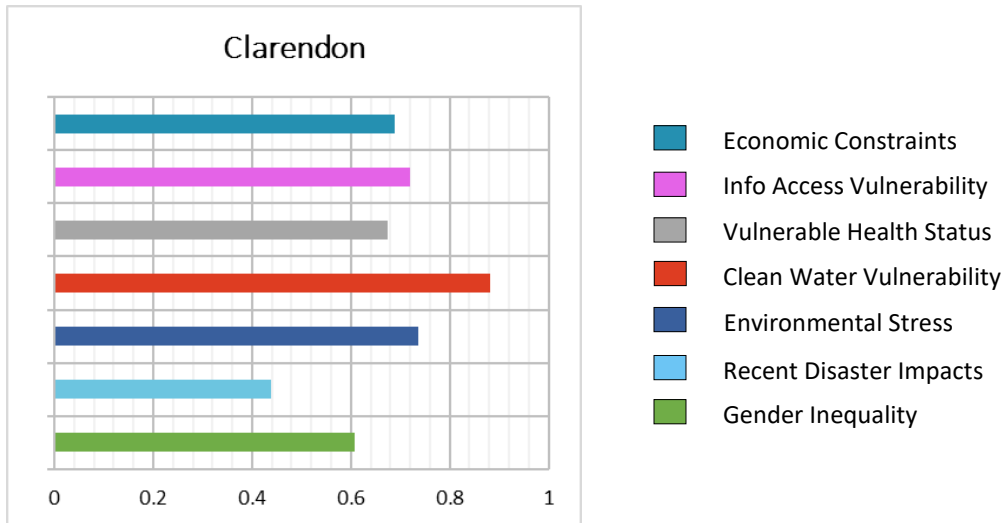


Figure 3. Vulnerability subcomponents for Clarendon

Clarendon: Multi-Hazard Exposure

Clarendon ranks **2nd** out of **14** on the Multi-Hazard Exposure index with a score of **0.728** (see Table 4). A large proportion of the population is exposed to **seismic activity, tropical cyclone, landslides, and inland flood**. While Clarendon is also exposed to coastal flood, this hazard affects a smaller proportion of the population (refer to Figure 4 and Figure 5).

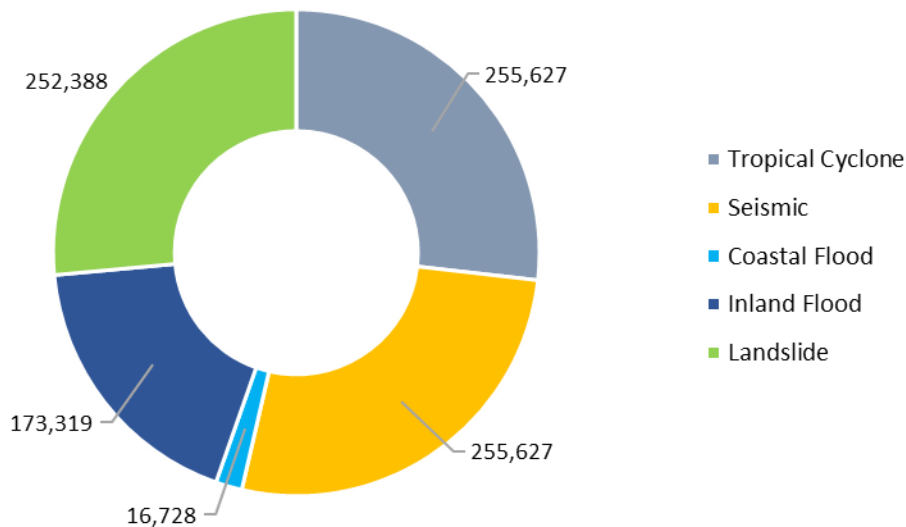


Figure 4. Raw population exposure by hazard type for Clarendon

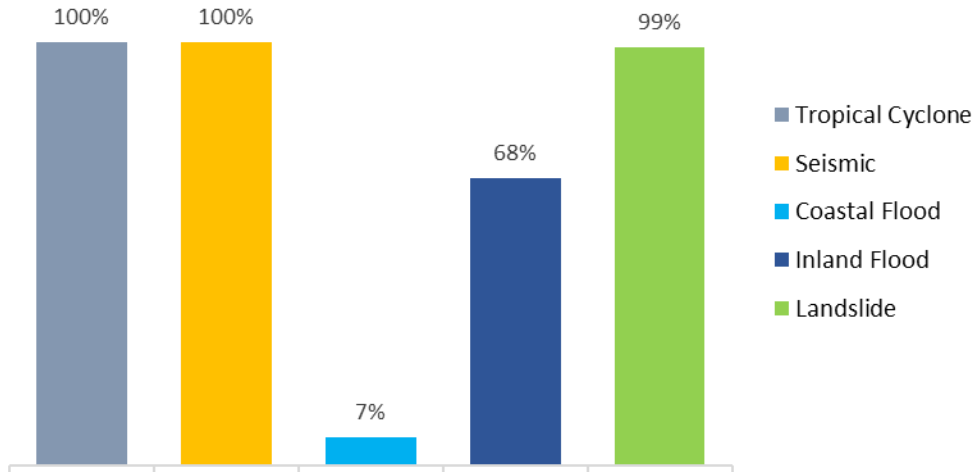


Figure 5. Percent population exposure to hazard type for Clarendon

Table 4. Multi-Hazard Exposure Index, Raw and Relative Exposure Index scores for Clarendon

Index	Clarendon	
	Score	Rank
Multi-Hazard Exposure	0. 728	2
Subcomponents		
Raw Exposure	0. 639	3
Relative Exposure	0. 817	5



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NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT
PARISH PROFILE – KINGSTON

Kingston: Risk

Kingston ranks **13th** out of **14** on the Multi-Hazard Risk index with a score of **0.411**. Kingston has moderate Multi-Hazard Exposure, very low Vulnerability and very high Coping Capacity (see Figure 1). The Parish ranks 6th in Multi-Hazard Exposure, 14th in Vulnerability, and 2nd in Coping Capacity.

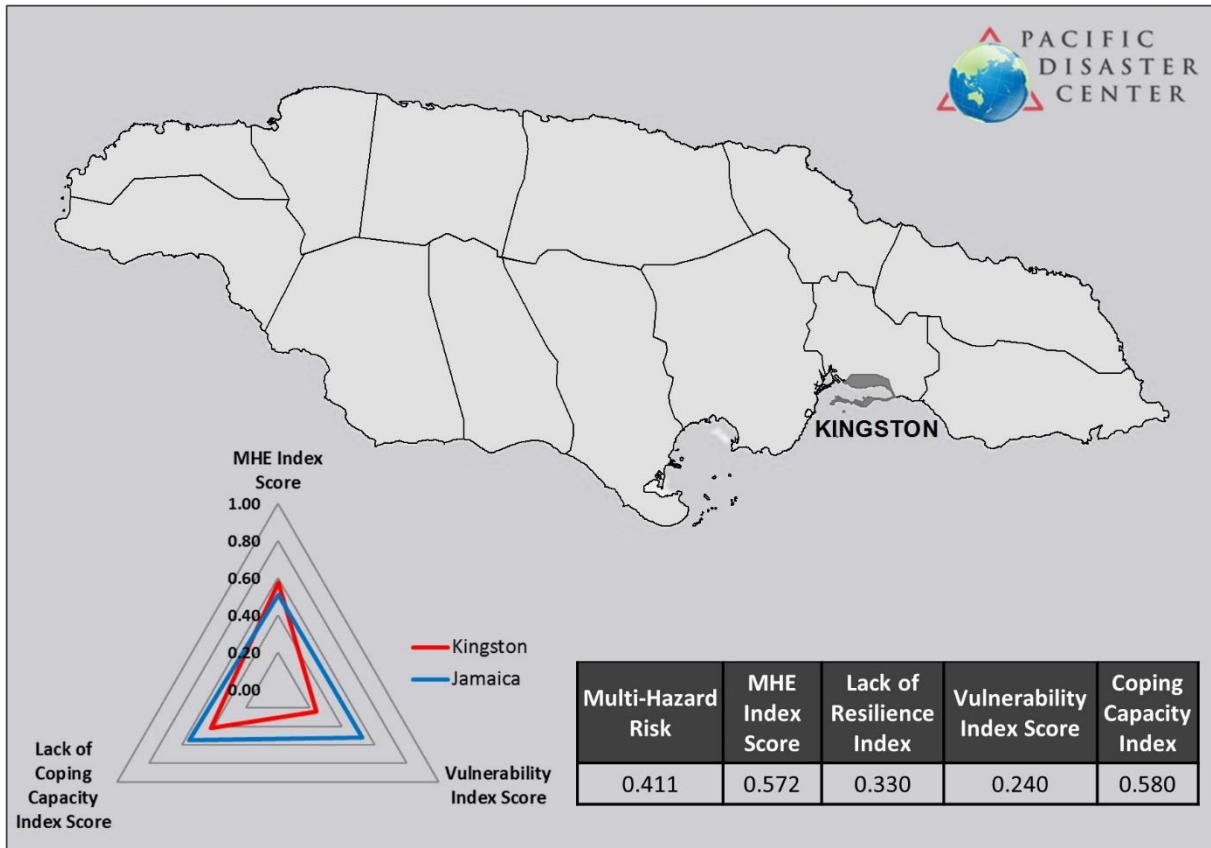


Figure 1. Risk scores for the parish of Kingston

Kingston: Lack of Resilience

Kingston ranks **13th** of **14** on the Lack of Resilience Index with a score of **0.330** (refer to Table 1). Kingston's score and ranking are due to very low Vulnerability and very high Coping Capacity, indicating high resilience overall. The Parish ranks 14th in Vulnerability and 2nd in Coping Capacity.

Kingston exhibits relatively few thematic weaknesses in Vulnerability and Coping Capacity with three notable exceptions: **Economic Capacity, Governance** and **Economic Constraints**.

Table 1. Lack of Resilience Index and Component scores for Kingston

Index	Kingston	
	Score	Rank
Lack of Resilience	0.330	13
Components		
Vulnerability	0.240	14
Coping Capacity	0.580	2

Kingston: Coping Capacity

Kingston's Coping Capacity ranks **2nd** out of **14** with a score of **0.580**. The thematic areas with the weakest relative scores are **Economic Capacity** and **Governance** (see Figure 2 and Table 2). These two thematic areas appear to constrain Coping Capacity within this parish.

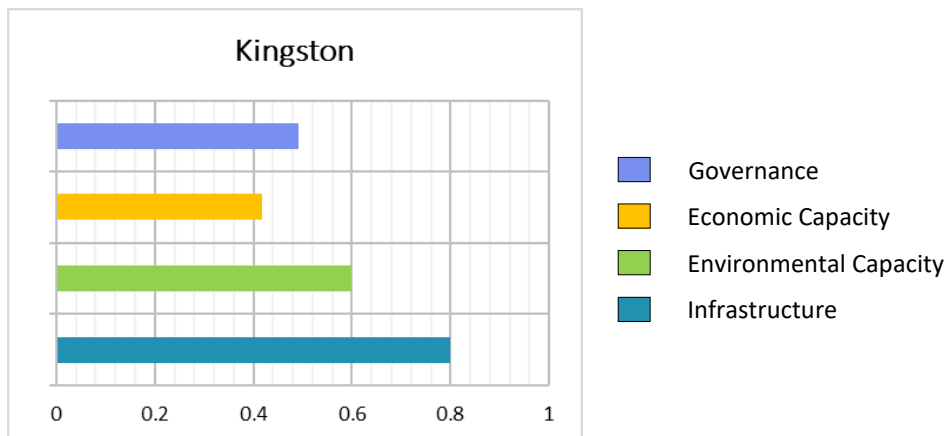


Figure 2. Coping Capacity subcomponents for Kingston

Table 2. Coping Capacity Index, subcomponent and sub-index scores for Kingston

Index	Kingston	
	Score	Rank
Coping Capacity	0.580	2
Subcomponents		
Governance	0.492	6
Economic Capacity	0.419	6
Environmental Capacity	0.599	4
Infrastructure	0.799	2
Infrastructure Sub-indices		
Health Care	0.722	1
Transportation	1.000	1
Communications	0.676	3

Kingston: Vulnerability

Kingston ranks **14th** out of **14** on the Vulnerability Index with a score of **0.240**. Despite having the lowest overall vulnerability in the country, Kingston is influenced by a high subcomponent score in the thematic area of **Economic Constraints**. Refer to Table 3 and Figure 3.

Table 3. Vulnerability Index and subcomponent index scores for Kingston

Index	Kingston	
	Score	Rank
Vulnerability	0.240	14
Subcomponents		
Economic Constraints	0.587	5
Info Access Vulnerability	0.465	9
Vulnerable Health Status	0.348	13
Clean Water Vulnerability	0.000	14
Environmental Stress	0.246	14
Recent Disaster Impacts	0.000	14
Gender Inequality	0.036	14

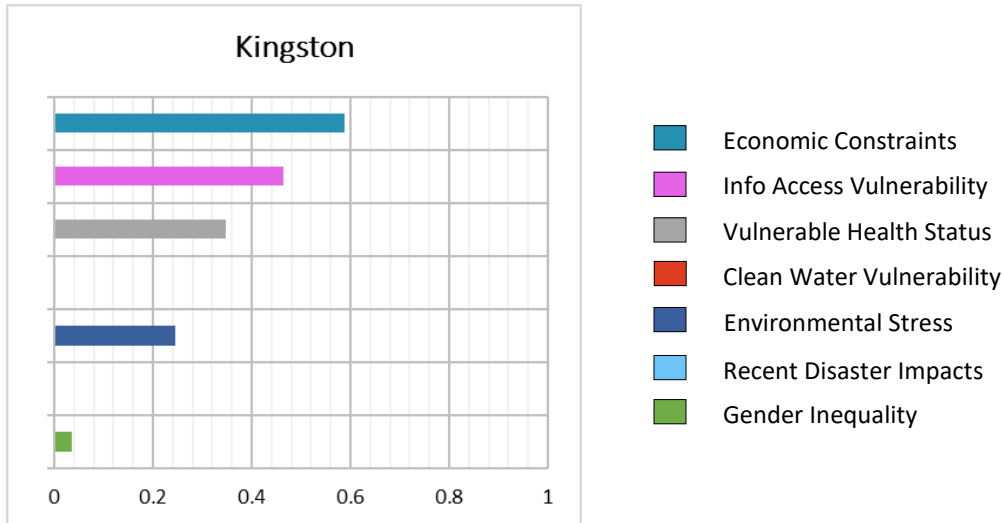


Figure 3. Vulnerability subcomponents for Kingston

Kingston: Multi-Hazard Exposure

Kingston ranks 6th out of 14 on the Multi-Hazard Exposure index with a score of **0.572** (refer to Table 4). A large proportion of Kingston's population is exposed to **tropical cyclones, seismic activity, and coastal flood** (see Figure 4 and Figure 5). A smaller proportion of Kingston's population is also exposed to inland flood.

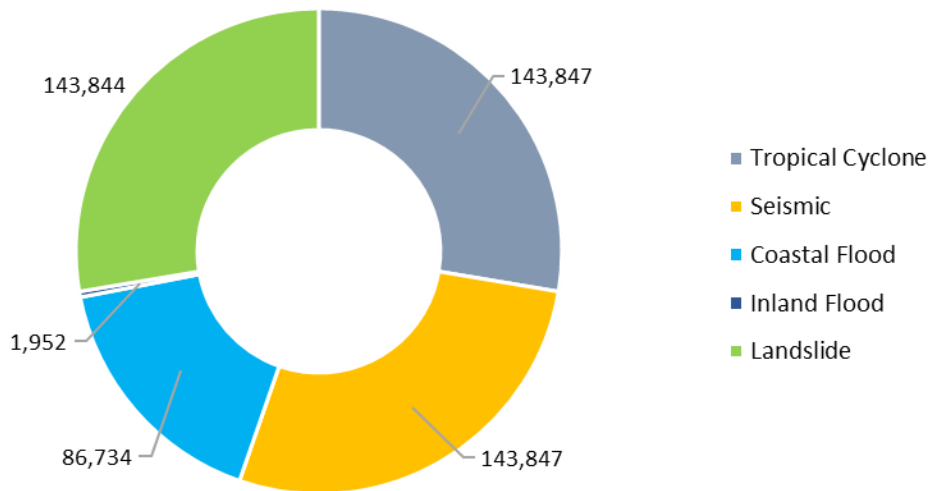


Figure 4. Raw population exposure by hazard type for Kingston

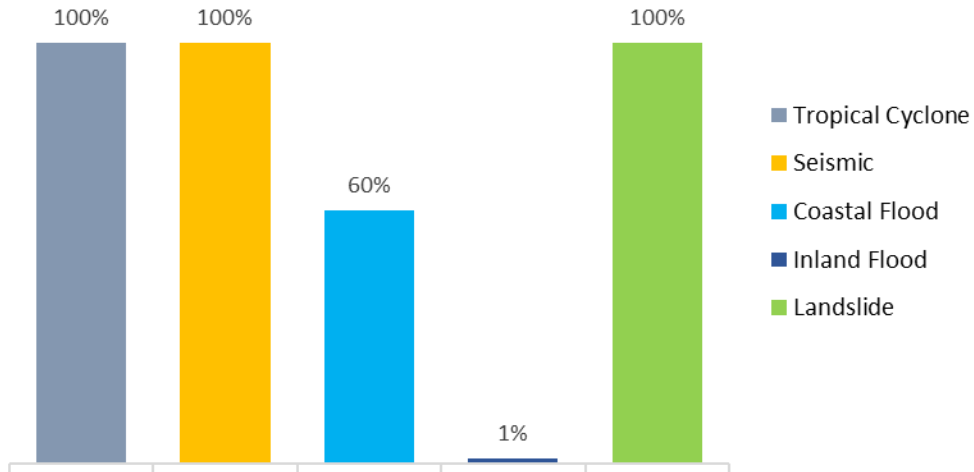


Figure 5. Percent population exposure to hazard type for Kingston

Table 4. Multi-Hazard Exposure Index, Raw and Relative Exposure Index scores for Kingston

Index	Kingston	
	Score	Rank
Multi-Hazard Exposure	0.572	6
Subcomponents		
Raw Exposure	0.390	7
Relative Exposure	0.755	6



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NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT
PARISH PROFILE – MANCHESTER

Manchester: Risk

Manchester ranks 6th of 14 on the Multi-Hazard Risk Index with a score of **0.541**. Manchester's score and ranking are driven primarily by very low Coping Capacity scores. Manchester ranks 9th in Multi-Hazard Exposure and 10th in Vulnerability, but has the lowest Coping Capacity score in the country (see Figure 1).

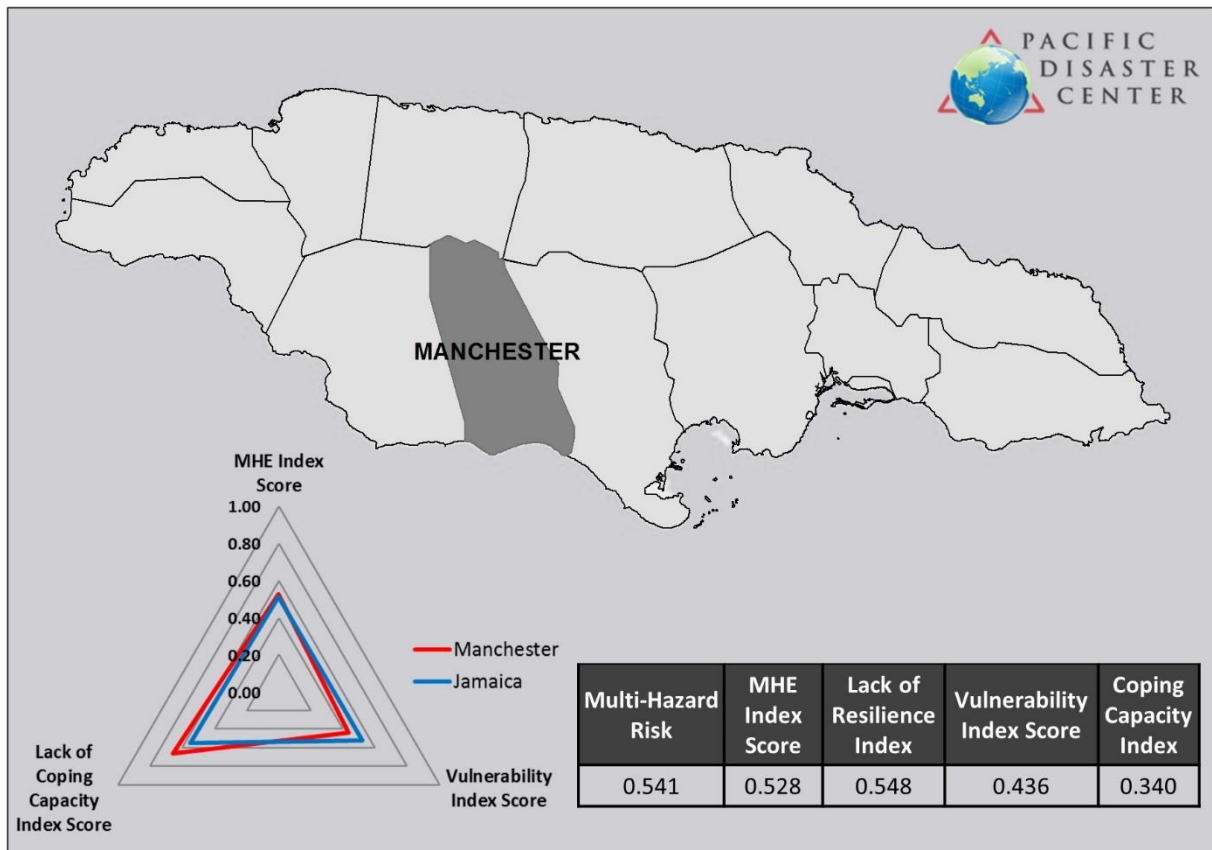


Figure 1. Risk scores for the parish of Manchester

Manchester: Lack of Resilience

Manchester ranks 9th of 14 on the Lack of Resilience Index with a score of **0.548** (see Table 1). Manchester's score and ranking are due to its low Vulnerability and very low Coping Capacity. The Parish ranks 10th in Vulnerability and 14th in Coping Capacity.

The three thematic areas with the weakest relative scores for the Parish of Manchester are: **Governance**, **Environmental Capacity**, and **Clean Water Vulnerability**.

Table 1. Lack of Resilience Index and Component scores for Manchester

Index	Manchester	
	Score	Rank
Lack of Resilience	0.548	9
Components		
Vulnerability	0.436	10
Coping Capacity	0.340	14

Manchester: Coping Capacity

Manchester's Coping Capacity ranks 14th out of 14 with a score of **0.340**. Thematically, this low coping capacity is driven by weak relative scores in **Governance** and **Environmental Capacity** (refer to Table 2). These two thematic areas appear to constrain Coping Capacity within this parish (refer to Figure 2).

Figure 2. Coping Capacity subcomponents for Manchester

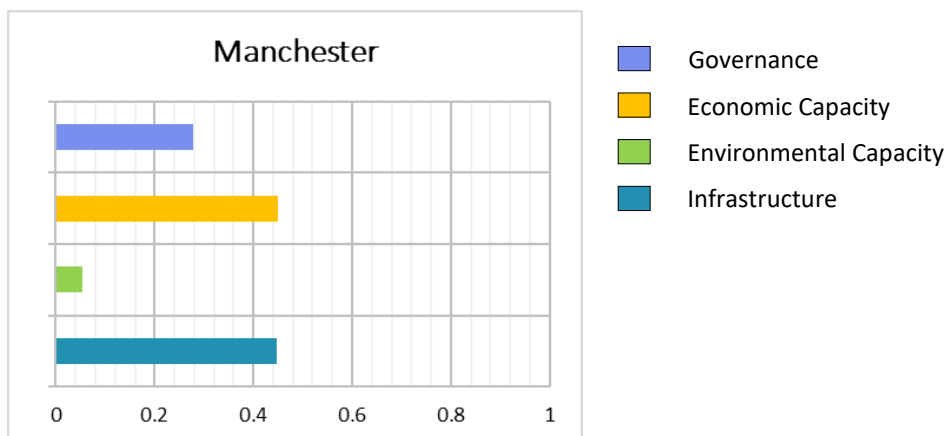


Table 2. Coping Capacity Index, subcomponent and sub-index scores for Manchester

Index	Manchester	
	Score	Rank
Coping Capacity	0.340	14
Subcomponents		
Governance	0.277	14
Economic Capacity	0.449	5
Environmental Capacity	0.055	13
Infrastructure	0.448	6
Infrastructure Sub-indices		
Health Care	0.379	9
Transportation	0.376	8
Communications	0.588	6

Manchester: Vulnerability

Manchester ranks **10th** out of **14** on the Vulnerability Index with a score of **0.436**. Though overall vulnerability is relatively low in Manchester, the index is influenced by high **Clean Water Vulnerability** and **Gender Inequality** subcomponent scores (refer to Table 3 and Figure 3).

Table 3. Vulnerability Index and subcomponent index scores for Manchester

Index	Manchester	
	Score	Rank
Vulnerability	0.436	10
Subcomponents		
Economic Constraints	0.331	14
Info Access Vulnerability	0.410	11
Vulnerable Health Status	0.428	10
Clean Water Vulnerability	0.771	6
Environmental Stress	0.247	13
Recent Disaster Impacts	0.292	12
Gender Inequality	0.572	6

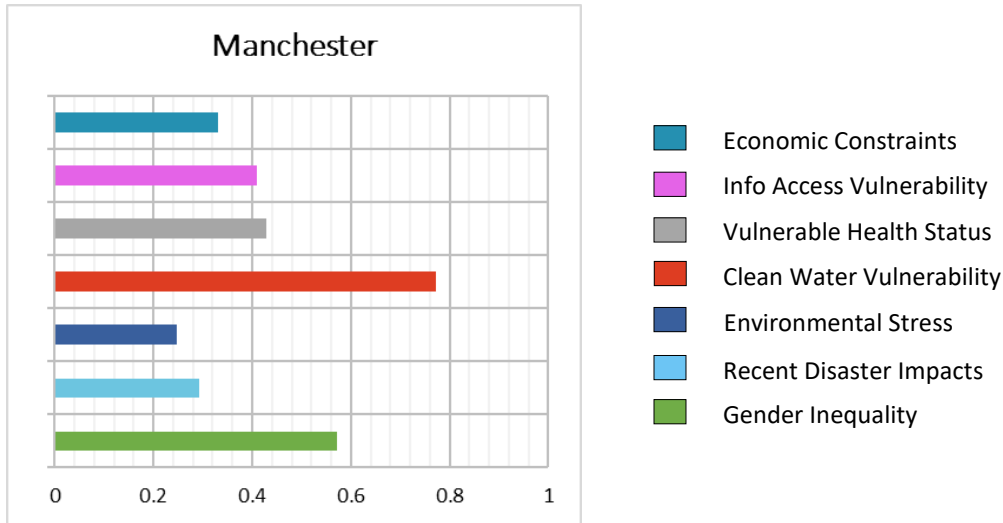


Figure 3. Vulnerability subcomponents for Manchester

Manchester: Multi-Hazard Exposure

Manchester ranks 9th out of 14 on the Multi-Hazard Exposure Index with a score of **0.528** (see Table 4). A large proportion of the population is exposed to **tropical cyclones, seismic activity, landslides, and Inland flood**. A smaller proportion of Manchester's population is also exposed to coastal flood (see Figure 4 and Figure 5).

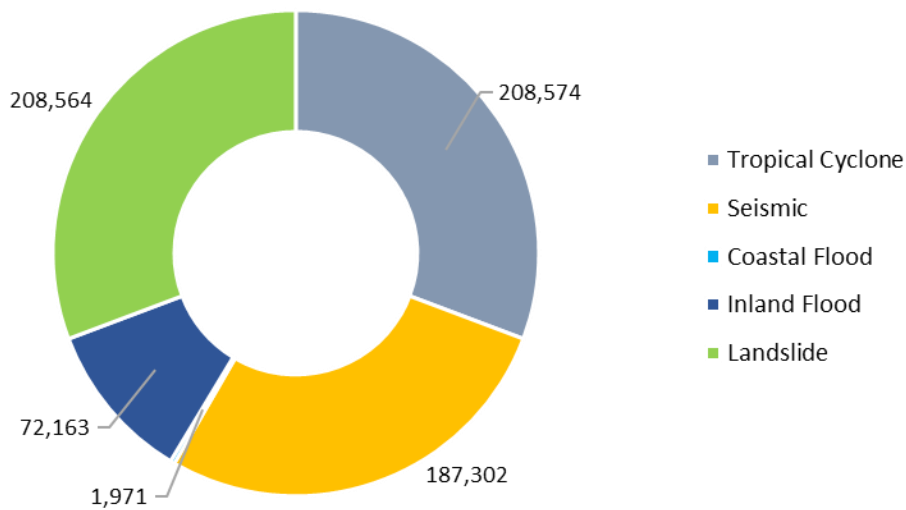


Figure 4. Raw population exposure by hazard type for Manchester

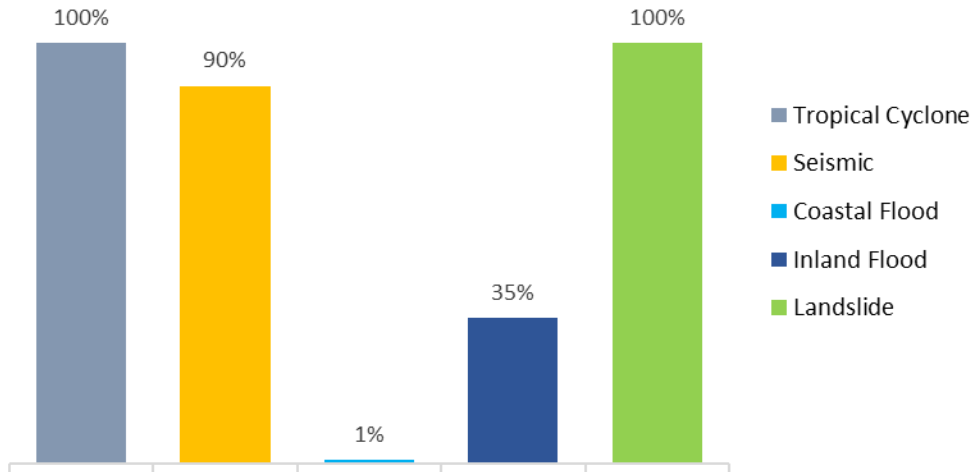


Figure 5. Percent population exposure to hazard type for Manchester

Table 4. Multi-Hazard Exposure Index, Raw and Relative Exposure Index scores for Manchester

Index	Manchester	
	Score	Rank
Multi-Hazard Exposure	0.528	9
Subcomponents		
Raw Exposure	0.499	4
Relative Exposure	0.556	9



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NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT
PARISH PROFILE – PORTLAND

Portland: Risk

Portland ranks 7th out of 14 on the Multi-Hazard Risk Index with a score of **0.532**. Portland has moderate Multi-Hazard Exposure, moderate Vulnerability and high Coping Capacity (see Figure 1). The Parish ranks 8th in Multi-Hazard Exposure, 7th in Vulnerability, and 4^h in Coping Capacity.

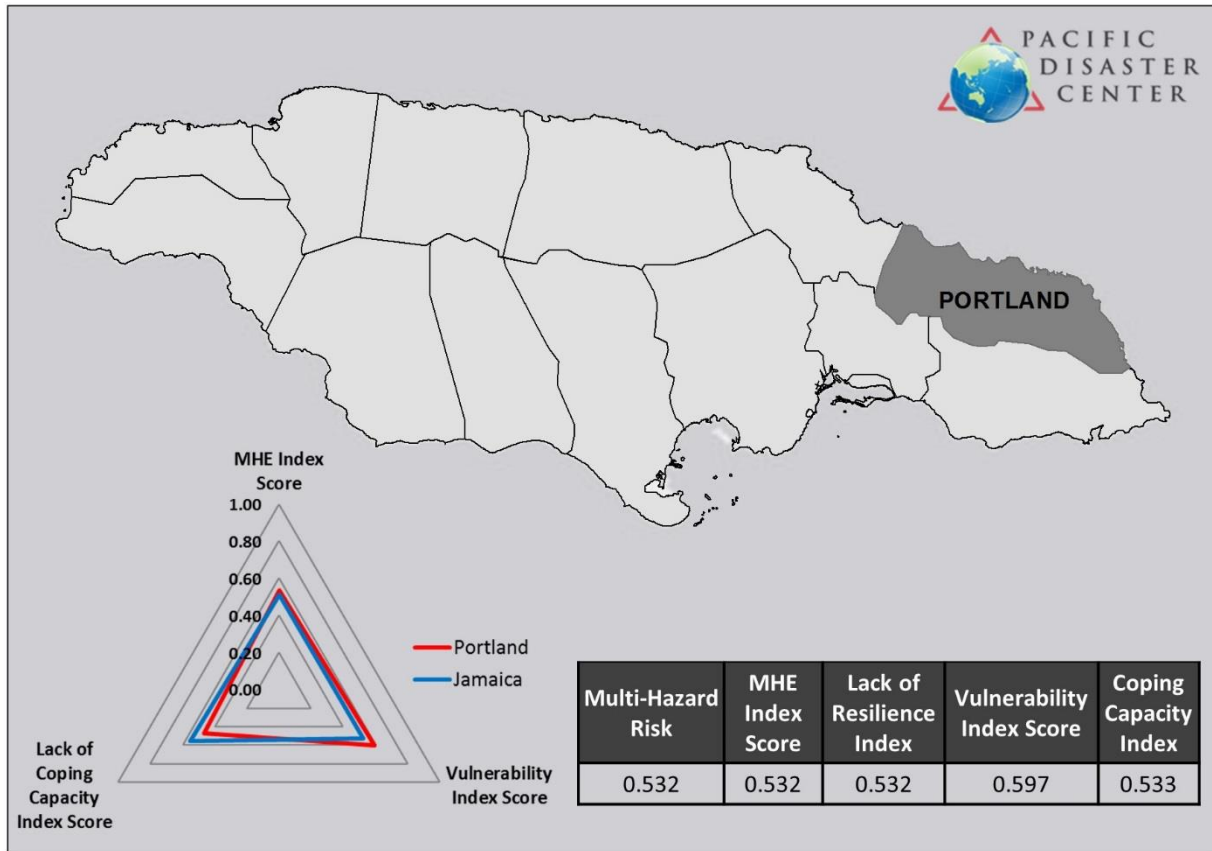


Figure 1. Risk scores for the parish of Portland

Portland: Lack of Resilience

Portland ranks **10th** of **14** on the Lack of Resilience Index with a score of **0.532** (see Table 1). Portland's score and ranking are due to its moderate Vulnerability combined with high Coping Capacity. The Parish ranks 7th in Vulnerability and 4th in Coping Capacity.

The three thematic areas with the weakest relative scores for the Parish of Portland are: **Economic Capacity, Information Access Vulnerability, and Recent Disaster Impacts.**

Table 1. Lack of Resilience Index and Component scores for Portland

Index	Portland	
	Score	Rank
Lack of Resilience	0.532	10
Components		
Vulnerability	0.597	7
Coping Capacity	0.533	4

Portland: Coping Capacity

Portland's Coping Capacity ranks **4th** out of **14** with a score of **0.533**. While overall coping capacity is relatively high in Portland, the index is influenced by an exceptionally weak score in the thematic area of **Economic Capacity**. Refer to Figure 2 and Table 2. This weakness may constrain Coping Capacity within the Parish.

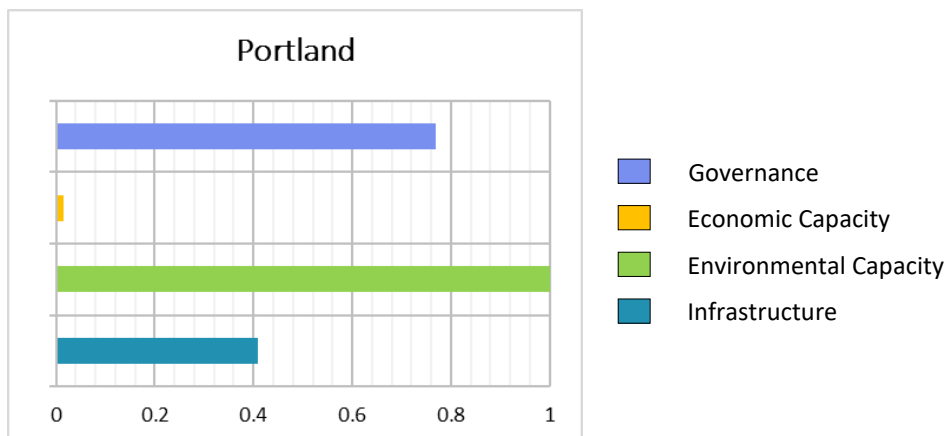


Figure 2. Coping Capacity subcomponents for Portland

Table 2. Coping Capacity Index, subcomponent and sub-index scores for Portland

Index	Portland	
	Score	Rank
Coping Capacity	0.533	4
Subcomponents		
Governance	0.768	1
Economic Capacity	0.015	14
Environmental Capacity	1.000	1
Infrastructure	0.408	8
Infrastructure Sub-indices		
Health Care	0.424	7
Transportation	0.203	12
Communications	0.597	5

Portland: Vulnerability

Portland ranks 7th out of 14 on the Vulnerability Index with a score of **0.597**. Vulnerability in Portland is strongly influenced by **Recent Disaster Impacts, Information Access Vulnerability, and Clean Water Vulnerability** subcomponent scores. See Table 3 and Figure 3.

Table 3. Vulnerability Index and subcomponent index scores for Portland

Index	Portland	
	Score	Rank
Vulnerability	0.597	7
Subcomponents		
Economic Constraints	0.543	7
Info Access Vulnerability	0.764	2
Vulnerable Health Status	0.490	7
Clean Water Vulnerability	0.705	9
Environmental Stress	0.430	9
Recent Disaster Impacts	0.787	2
Gender Inequality	0.459	12

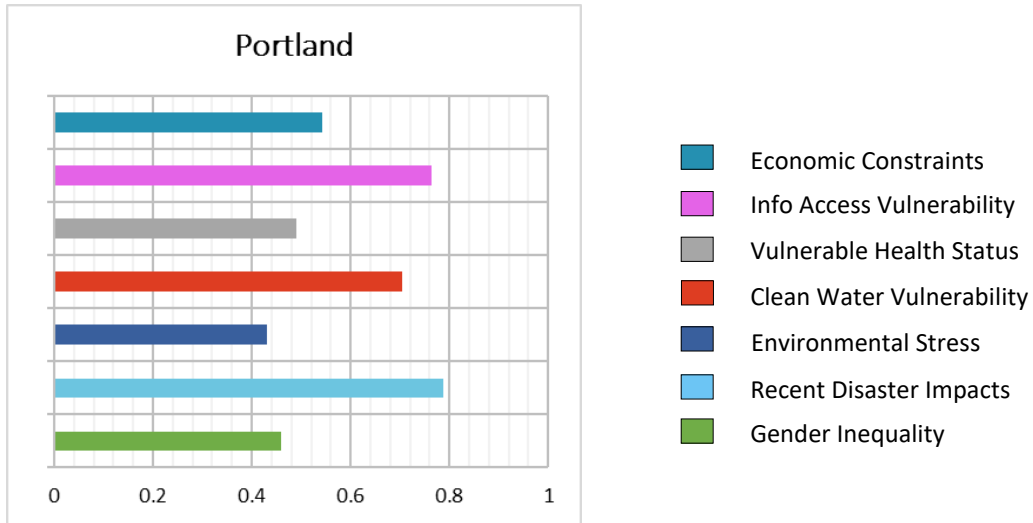


Figure 3. Vulnerability subcomponents for Portland

Portland: Multi-Hazard Exposure

Portland ranks 8th out of 14 on the Multi-Hazard Exposure Index with a score of 0.532 (see Table 4). A large proportion of Portland's population is exposed to **tropical cyclones, seismic activity, landslides, coastal flood, and inland flood**. See Figure 4 and Figure 5.

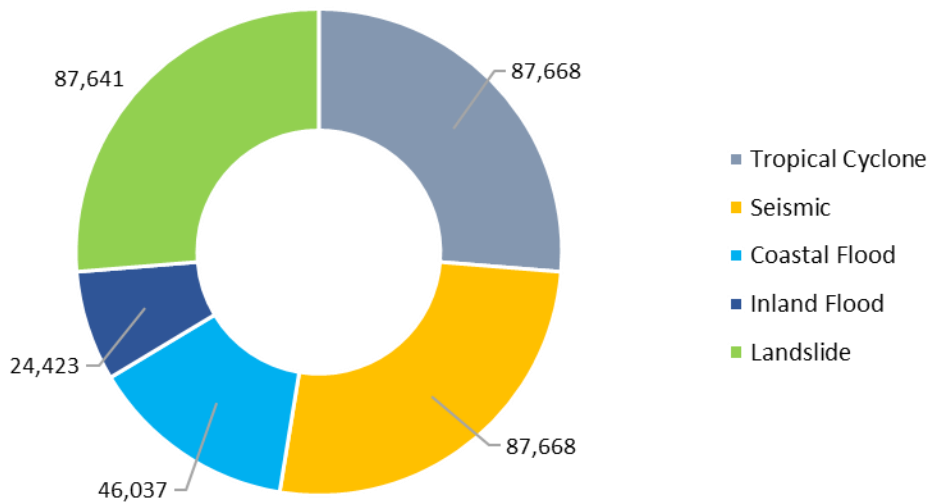


Figure 4. Raw population exposure by hazard type for Portland

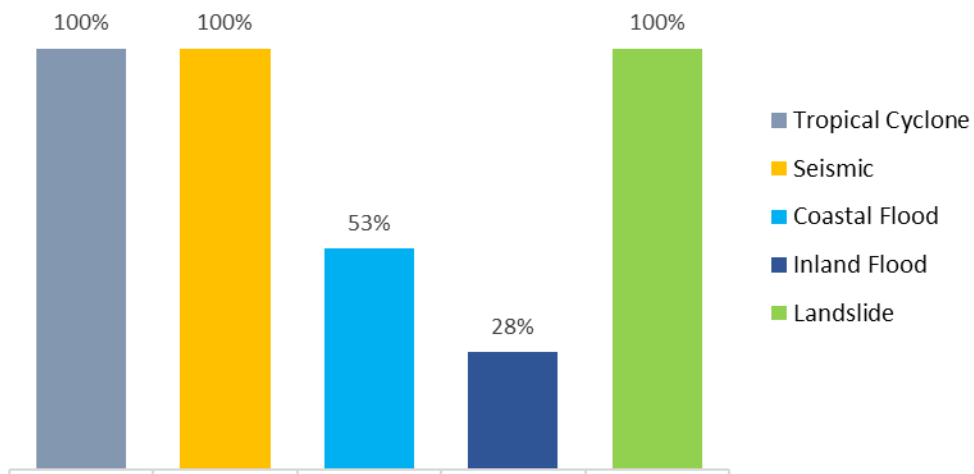


Figure 5. Percent population exposure to hazard type for Portland

Table 4. Multi-Hazard Exposure Index, Raw and Relative Exposure Index scores for Portland

Index	Portland	
	Score	Rank
Multi-Hazard Exposure	0.532	8
Subcomponents		
Raw Exposure	0.207	12
Relative Exposure	0.857	4



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NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT
PARISH PROFILE – SAINT ANN

Saint Ann: Risk

Saint Ann ranks 5th out of 14 on the Multi-Hazard Risk Index with a score of **0.566**. Saint Ann's score and ranking are primarily driven by the combination of moderate Multi-Hazard Exposure and very low Coping Capacity (see Figure 1). The Parish ranks 7th in Multi-Hazard Exposure, 9th in Vulnerability, and 12th in Coping Capacity.

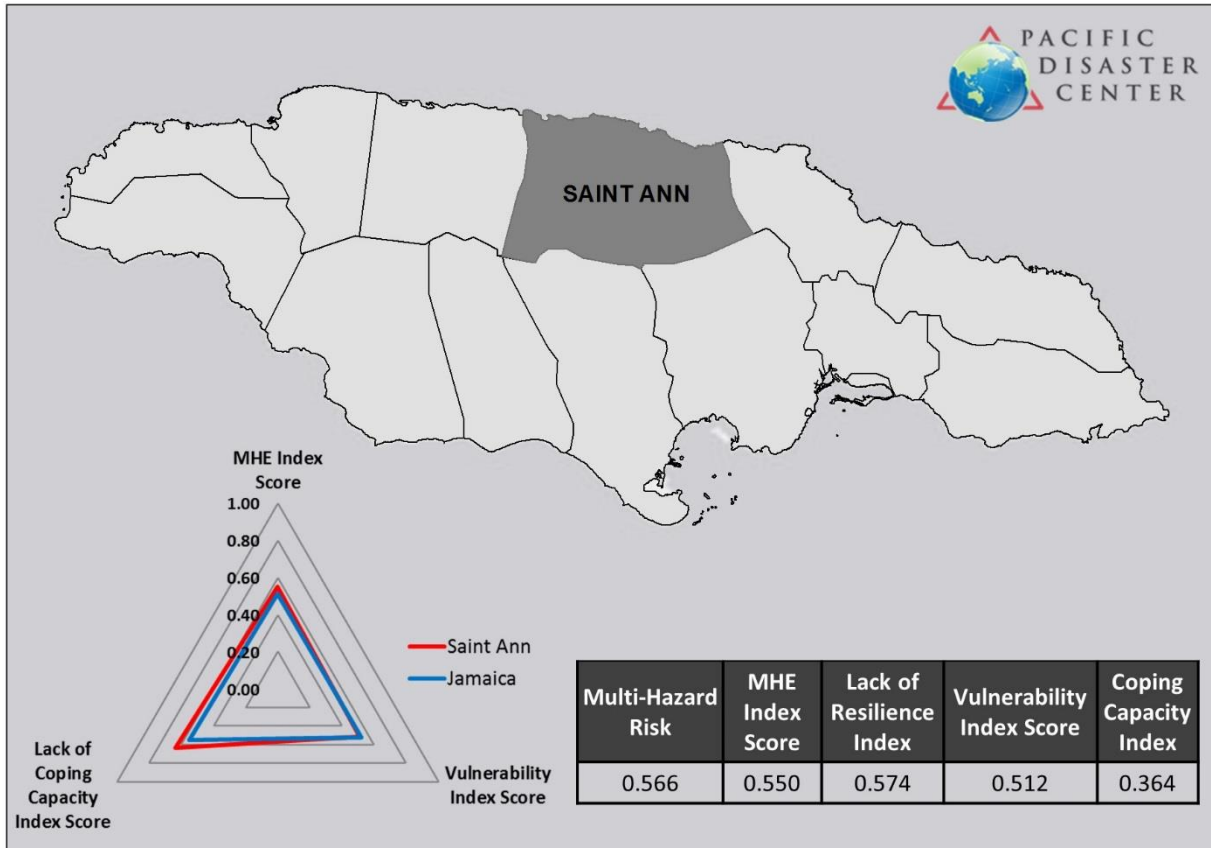


Figure 1. Risk scores for the parish of Saint Ann

Saint Ann: Lack of Resilience

Saint Ann ranks **8th** of **14** on the Lack of Resilience Index with a score of **0.574**. Saint Ann’s score and ranking are due to its very low Coping Capacity. The Parish ranks 9th in Vulnerability and 12th in Coping Capacity (see Table 1).

The three thematic areas with the weakest relative scores for Saint Ann Parish: **Environmental Capacity**, **Economic Capacity**, and **Infrastructure**.

Table 1. Lack of Resilience Index and Component scores for Saint Ann

Index	Saint Ann	
	Score	Rank
Lack of Resilience	0.574	8
Components		
Vulnerability	0.512	9
Coping Capacity	0.364	12

Saint Ann: Coping Capacity

Saint Ann’s Coping Capacity ranks **12th** out of **14** with a score of **0.364**. Saint Ann exhibits relatively low scores across all Coping Capacity subcomponents (refer to Table 2 and Figure 2). The thematic areas with the weakest relative scores are **Environmental Capacity**, **Economic Capacity**, and **Infrastructure**. Weaknesses in these thematic areas appear to constrain Coping Capacity within this parish.

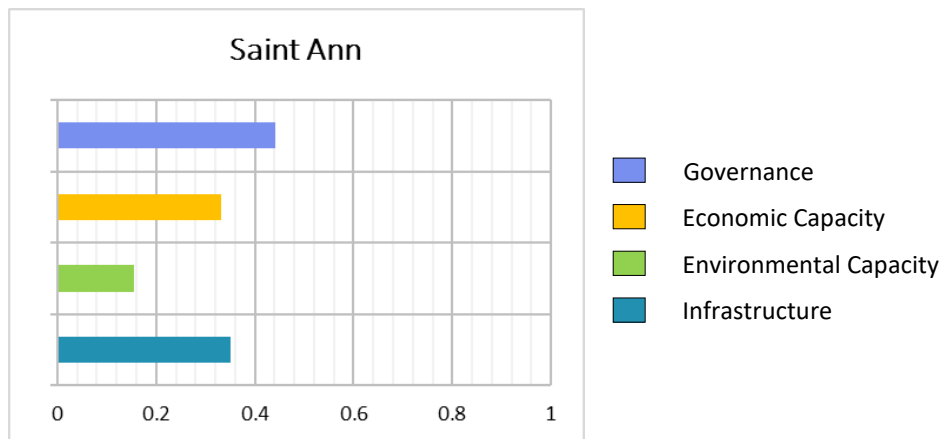


Figure 2. Coping Capacity subcomponents for Saint Ann

Table 2. Coping Capacity Index, subcomponent and sub-index scores for Saint Ann

Index	Saint Ann	
	Score	Rank
Coping Capacity	0.364	12
Subcomponents		
Governance	0.441	8
Economic Capacity	0.331	7
Environmental Capacity	0.156	11
Infrastructure	0.352	11
Infrastructure Sub-indices		
Health Care	0.327	11
Transportation	0.278	10
Communications	0.450	9

Saint Ann: Vulnerability

Saint Ann ranks 9th out of 14 on the Vulnerability Index with a score of **0.512**. While Vulnerability in Saint Ann is relatively low, the Index is influenced by **Gender Inequality, Environmental Stress, and Clean Water Vulnerability** subcomponent scores (Refer to Table 3 and Figure 3).

Table 3. Vulnerability Index and subcomponent index scores for Saint Ann

Index	Saint Ann	
	Score	Rank
Vulnerability	0.512	9
Subcomponents		
Economic Constraints	0.466	11
Info Access Vulnerability	0.451	10
Vulnerable Health Status	0.422	11
Clean Water Vulnerability	0.687	10
Environmental Stress	0.579	5
Recent Disaster Impacts	0.379	10
Gender Inequality	0.598	4

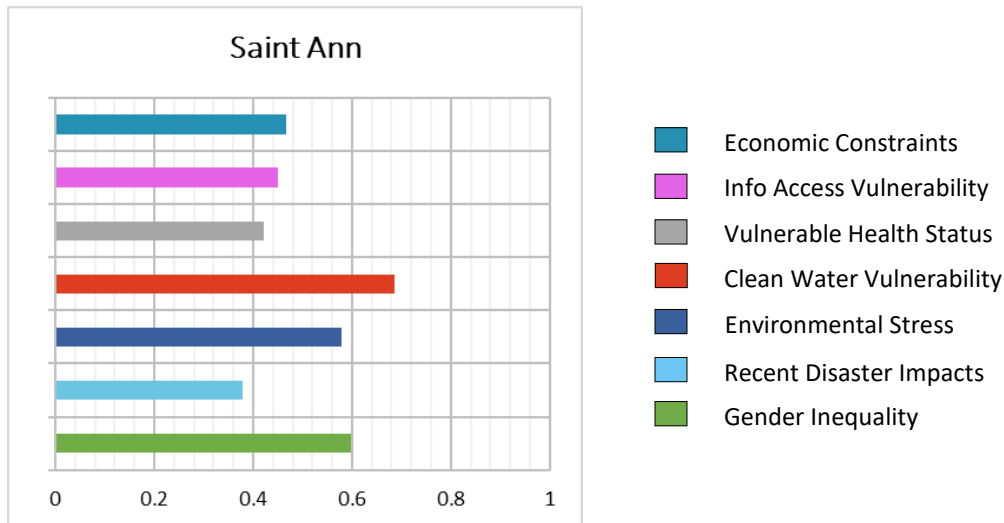


Figure 3. Vulnerability subcomponents for Saint Ann

Saint Ann: Multi-Hazard Exposure

Saint Ann ranks 7th out of 14 on the Multi-Hazard Exposure index with a score of **0.550** (see Table 4). A large proportion of the population is exposed to **tropical cyclone wind, seismic activity, and landslides**. While Saint Ann is also exposed to inland and coastal floods, these hazards threaten a smaller proportion of the population (refer to Figure 4 and Figure 5).

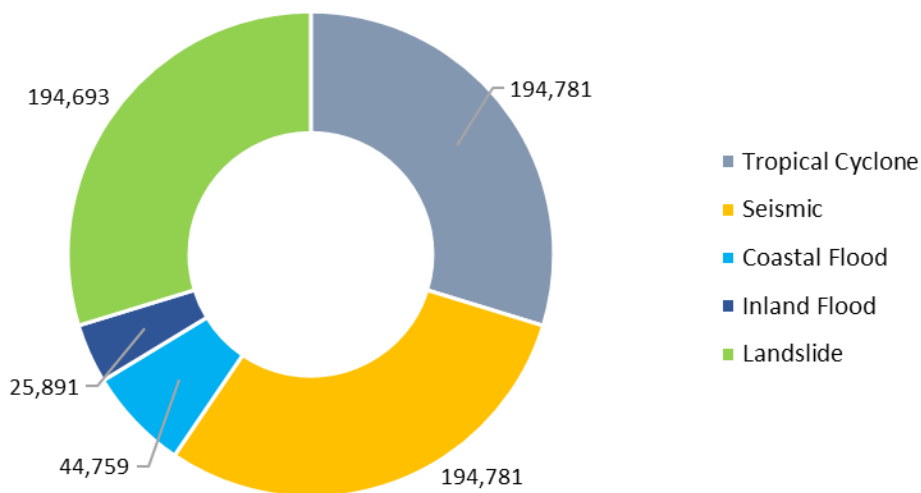


Figure 4. Raw population exposure by hazard type for Saint Ann

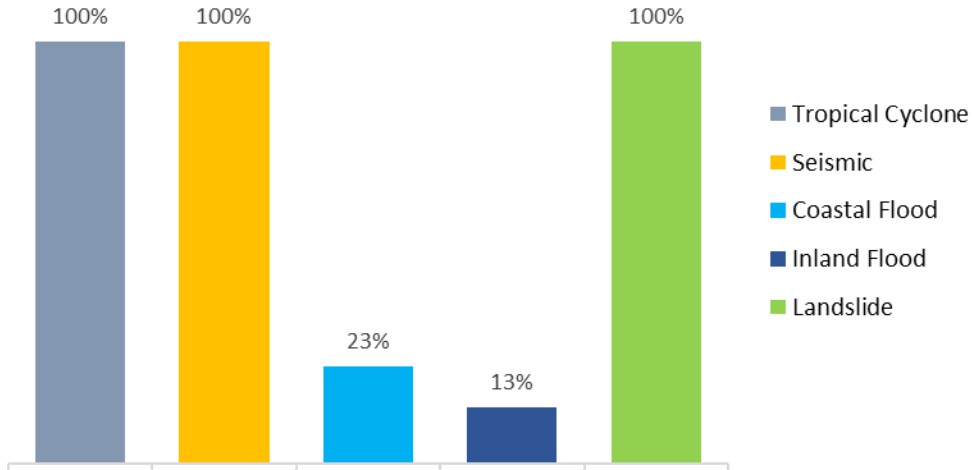


Figure 5. Percent population exposure to hazard type for Saint Ann

Table 4. Multi-Hazard Exposure Index, Raw and Relative Exposure Index scores for Saint Ann

Index	Saint Ann	
	Score	Rank
Multi-Hazard Exposure	0.550	7
Subcomponents		
Raw Exposure	0.485	5
Relative Exposure	0.616	8



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NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT
PARISH PROFILE – SAINT CATHERINE

Saint Catherine: Risk

Saint Catherine ranks **2nd** of **14** on the Multi-Hazard Risk Index with a score of **0.651**. Saint Catherine's score and ranking are driven almost completely by very high Multi-Hazard Exposure (see Figure 1). Saint Catherine has the highest Multi-Hazard Exposure in the country, the 12th highest Vulnerability, and the 5th highest Coping Capacity.

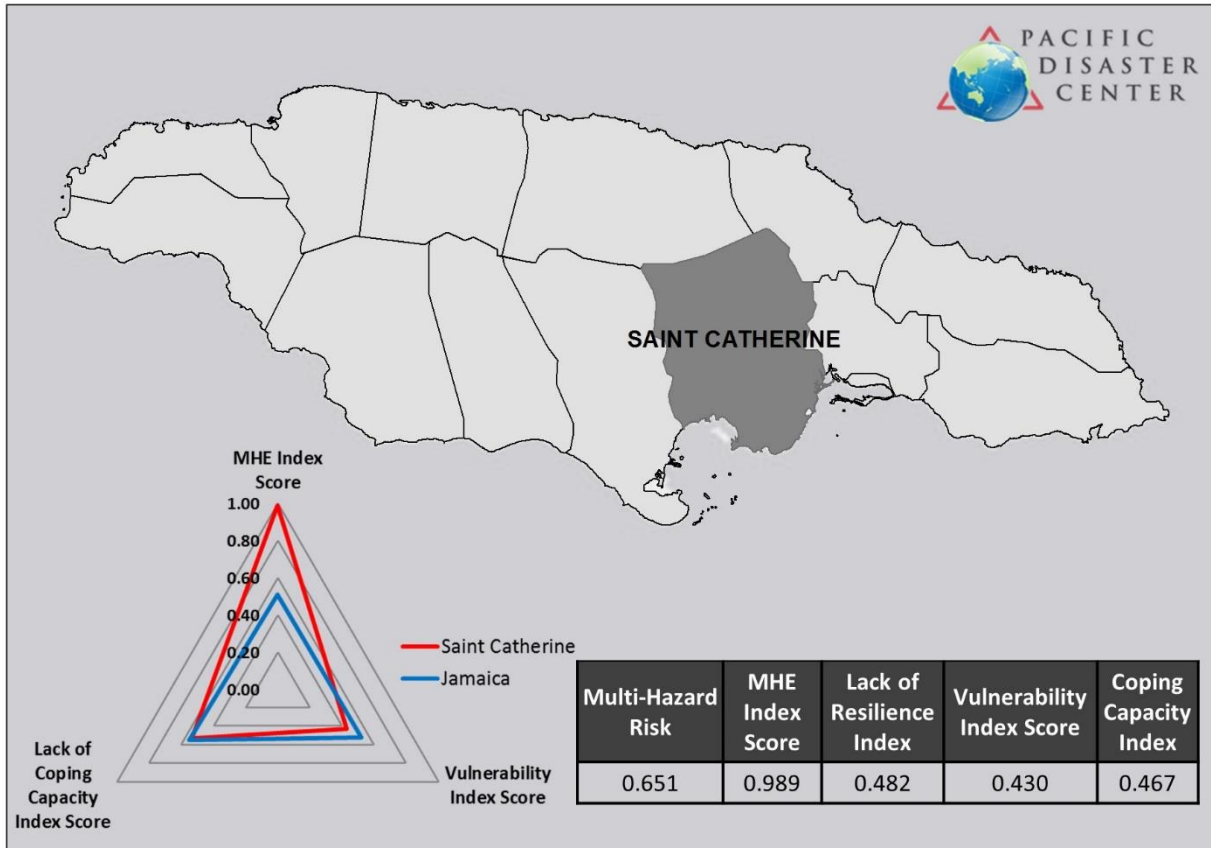


Figure 1. Risk scores for the parish of Saint Catherine

Saint Catherine: Lack of Resilience

Saint Catherine ranks **11th** of **14** on the Lack of Resilience Index with a score of **0.482**. Saint Catherine’s score and ranking are due to very low Vulnerability combined with high Coping Capacity (see Table 1). Saint Catherine has the 12th highest Vulnerability and the 5th highest Coping Capacity.

While Saint Catherine exhibits relatively low Lack of Resilience overall, thematic areas with weak relative scores for the Parish of Saint Catherine are: **Recent Disaster Impacts, Governance, and Health Care Capacity.**

Table 1. Lack of Resilience Index and Component scores for Saint Catherine

Index	Saint Catherine	
	Score	Rank
Lack of Resilience	0.482	11
Components		
Vulnerability	0.430	12
Coping Capacity	0.467	5

Saint Catherine: Coping Capacity

Saint Catherine’s Coping Capacity ranks **5th** out of **14** with a score of **0.467**. The thematic areas with the weakest relative scores are **Governance, Environmental Capacity, and Health Care Capacity** (refer to Table 2 and Figure 2). These thematic areas may constrain Coping Capacity within this parish.

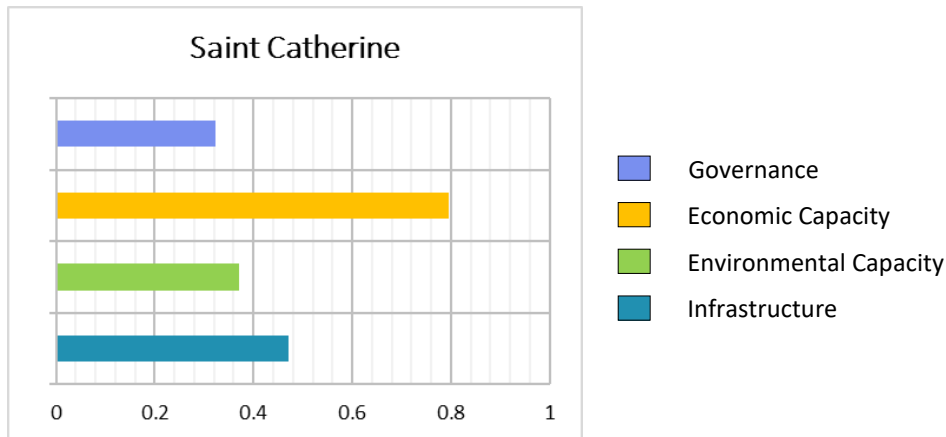


Figure 2. Coping Capacity subcomponents for Saint Catherine

Table 2. Coping Capacity Index, subcomponent and sub-index scores for Saint Catherine

Index	Saint Catherine	
	Score	Rank
Coping Capacity	0.467	5
Subcomponents		
Governance	0.323	13
Economic Capacity	0.794	3
Environmental Capacity	0.371	7
Infrastructure	0.471	5
Infrastructure Sub-indices		
Health Care	0.302	13
Transportation	0.464	4
Communications	0.646	4

Saint Catherine: Vulnerability

Saint Catherine ranks **12th** out of **14** on the Vulnerability Index with a score of **0.430**. Though Saint Catherine exhibits relatively low vulnerability overall, the index is influenced by a high **Recent Disaster Impacts** subcomponent score (refer to Table 3 and Figure 3).

Table 3. Vulnerability Index and subcomponent index scores for Saint Catherine

Index	Saint Catherine	
	Score	Rank
Vulnerability	0.430	12
Subcomponents		
Economic Constraints	0.499	9
Info Access Vulnerability	0.195	13
Vulnerable Health Status	0.370	12
Clean Water Vulnerability	0.294	12
Environmental Stress	0.489	7
Recent Disaster Impacts	0.696	4
Gender Inequality	0.468	11

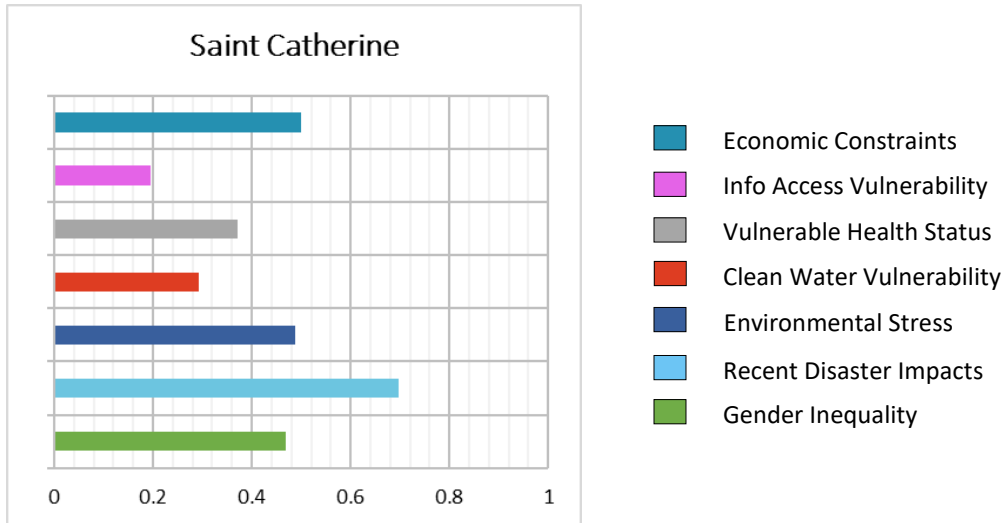


Figure 3. Vulnerability subcomponents for Saint Catherine

Saint Catherine: Multi-Hazard Exposure

Saint Catherine ranks **1st** out of **14** on the Multi-Hazard Exposure index with a score of **0.989** (see Table 4). Large numbers of people, and a significant proportion of the population, are exposed to **tropical cyclone wind, seismic activity, inland flood, and coastal flood** (refer to Figure 4 and Figure 5).

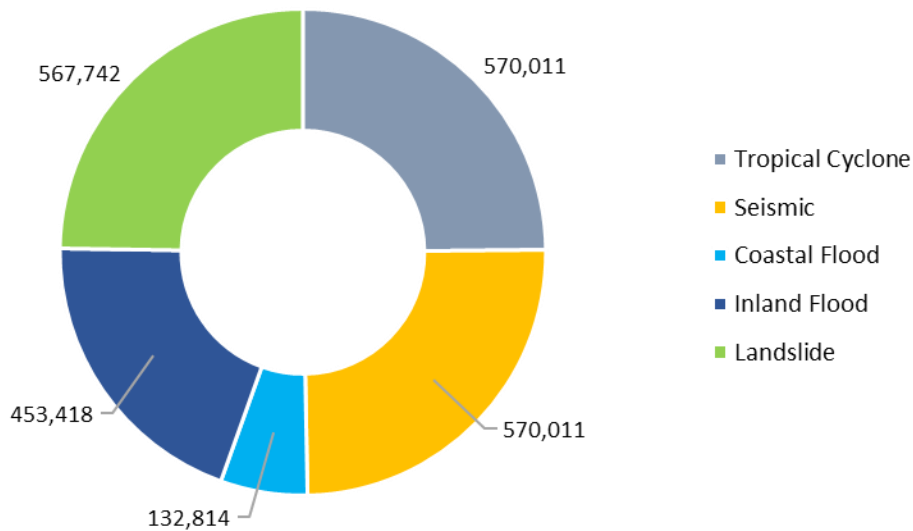


Figure 4. Raw population exposure by hazard type for Saint Catherine

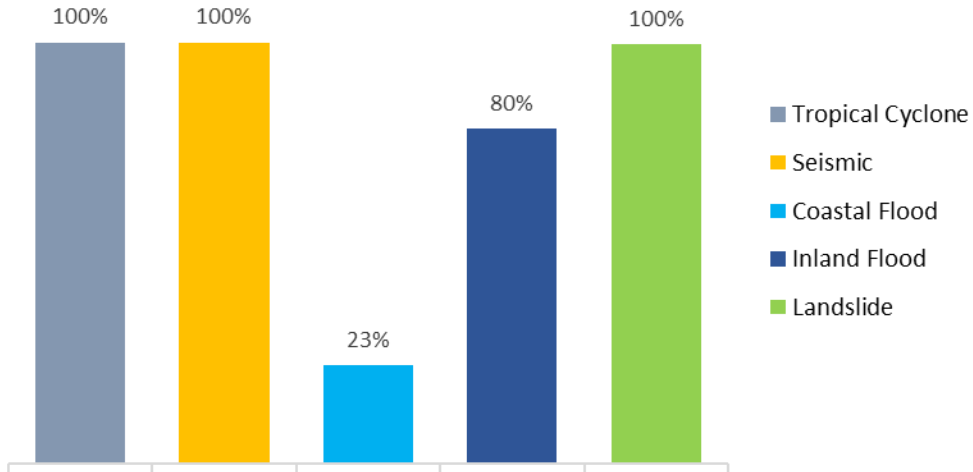


Figure 5. Percent population exposure to hazard type for Saint Catherine

Table 4. Multi-Hazard Exposure Index, Raw and Relative Exposure Index scores for Saint Catherine

Index	Saint Catherine	
	Score	Rank
Multi-Hazard Exposure	0.989	1
Subcomponents		
Raw Exposure	1.000	1
Relative Exposure	0.978	2



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NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT
PARISH PROFILE – SAINT ELIZABETH

Saint Elizabeth: Risk

Saint Elizabeth ranks **10th** out of **14** on the Multi-Hazard Risk index with a score of **0.464**. While Saint Elizabeth has very low Multi-Hazard Exposure, the Parish exhibits very high Vulnerability and low Coping Capacity (see Figure 1). The Parish ranks 14th for Multi-Hazard Exposure, 2nd in Vulnerability, and 10th in Coping Capacity.

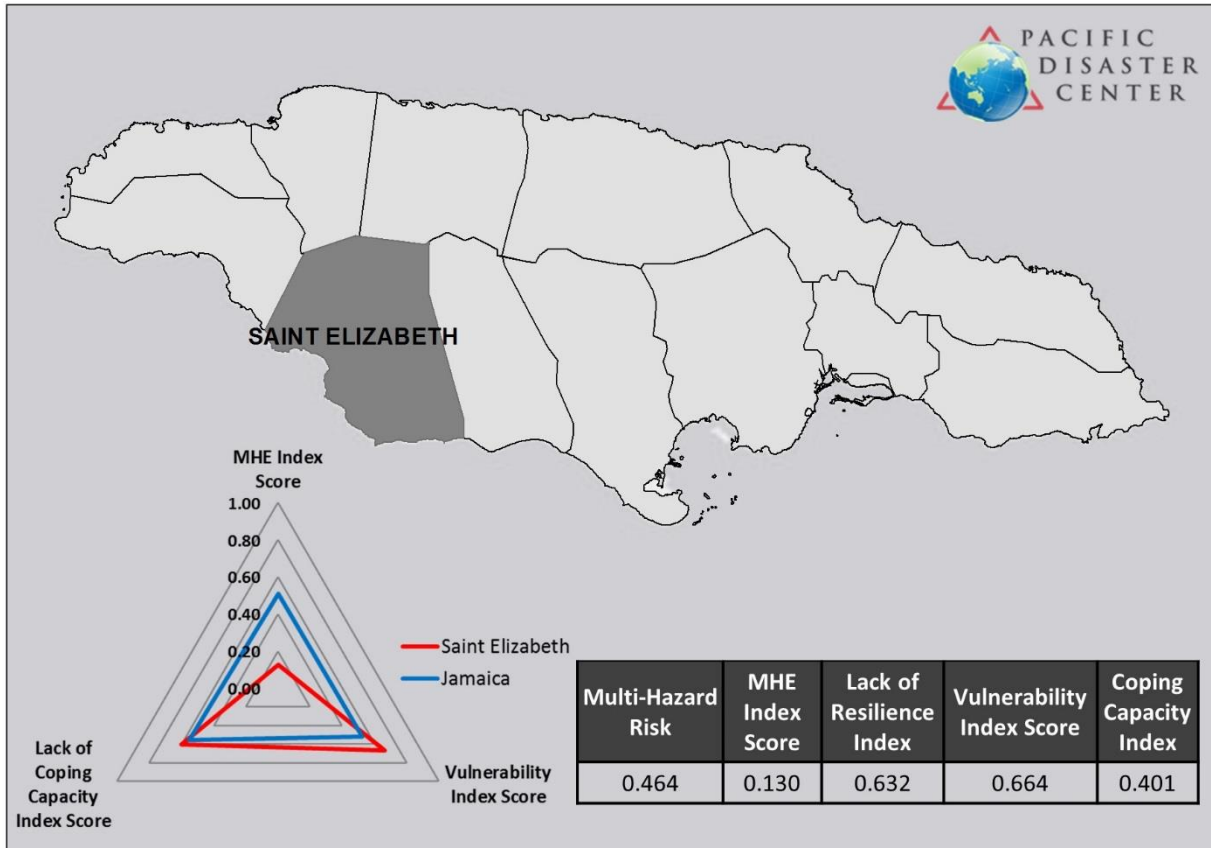


Figure 1. Risk scores for the parish of Saint Elizabeth

Saint Elizabeth: Lack of Resilience

Saint Elizabeth ranks **2nd** of **14** on the Lack of Resilience Index with a score of **0.632** (refer to Table 1). Saint Elizabeth’s score and ranking are a product of very high Vulnerability combined with low Coping Capacity. The Parish ranks 2nd in Vulnerability and 10th in Coping Capacity.

The three thematic areas with the weakest relative scores for the Parish of Saint Elizabeth are: **Clean Water Vulnerability, Gender Inequality, and Health Care Capacity.**

Table 1. Lack of Resilience Index and Component scores for Saint Elizabeth

Index	Saint Elizabeth	
	Score	Rank
Lack of Resilience	0.632	2
Components		
Vulnerability	0.664	2
Coping Capacity	0.401	10

Saint Elizabeth: Coping Capacity

Saint Elizabeth’s Coping Capacity ranks **10th** out of **14** with a score of **0.401**. The thematic areas with the weakest relative scores are **Economic Capacity** and **Infrastructure (especially Health Care Capacity)**. Refer to Figure 2 and Table 2. These two thematic areas appear to constrain Coping Capacity within this parish.

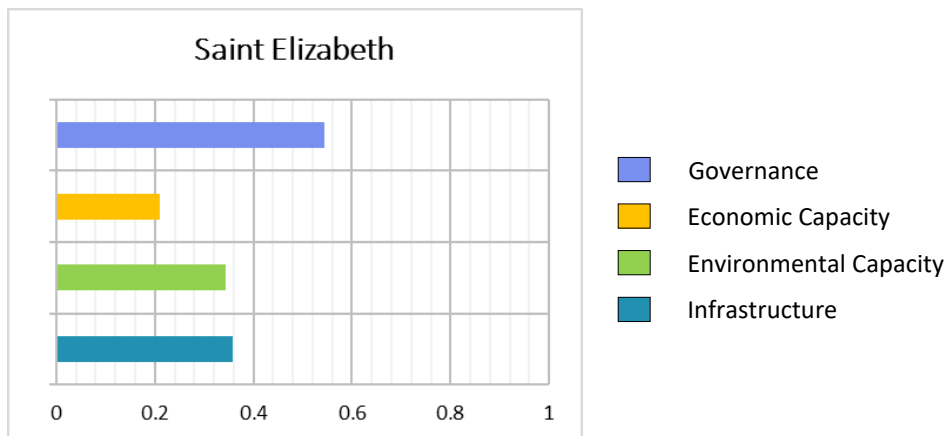


Figure 2. Coping Capacity subcomponents for Saint Elizabeth

Table 2. Coping Capacity Index, subcomponent and sub-index scores for Saint Elizabeth

Index	Saint Elizabeth	
	Score	Rank
Coping Capacity	0.401	10
Subcomponents		
Governance	0.544	4
Economic Capacity	0.209	10
Environmental Capacity	0.344	8
Infrastructure	0.357	10
Infrastructure Sub-indices		
Health Care	0.231	14
Transportation	0.372	9
Communications	0.467	8

Saint Elizabeth: Vulnerability

Saint Elizabeth ranks **2nd** out of **14** on the Vulnerability Index with a score of **0.664**. Vulnerability in Saint Elizabeth is strongly influenced by **Clean Water Vulnerability, Gender Inequality, Information Access Vulnerability,** and **Economic Constraints** subcomponent scores. Refer to Table 3 and Figure 3.

Table 3. Vulnerability Index and subcomponent index scores for Saint Elizabeth

Index	Saint Elizabeth	
	Score	Rank
Vulnerability	0.664	2
Subcomponents		
Economic Constraints	0.603	4
Info Access Vulnerability	0.757	4
Vulnerable Health Status	0.559	5
Clean Water Vulnerability	0.941	1
Environmental Stress	0.416	10
Recent Disaster Impacts	0.517	5
Gender Inequality	0.857	1

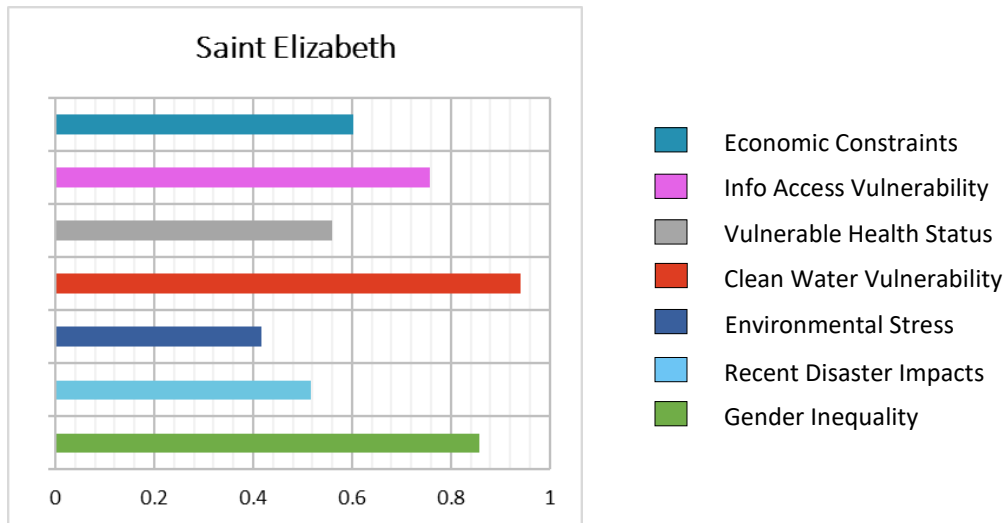


Figure 3. Vulnerability subcomponents for Saint Elizabeth

Saint Elizabeth: Multi-Hazard Exposure

Saint Elizabeth ranks **14th** out of **14** on the Multi-Hazard Exposure index with a score of **0.130** (refer to Table 4). Despite this low rank, a significant proportion of the population is exposed to **tropical cyclones** and **landslides** (see Figure 4 and Figure 5. Though Saint Elizabeth is also exposed to inland flood, coastal flood, and seismic activity, these hazards affect a smaller proportion of the Parish's population.

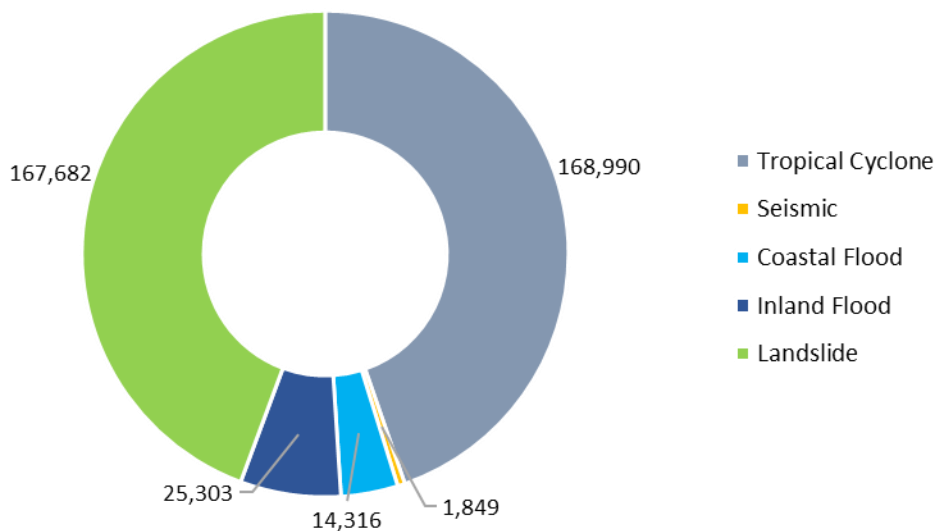


Figure 4. Raw population exposure by hazard type for Saint Elizabeth

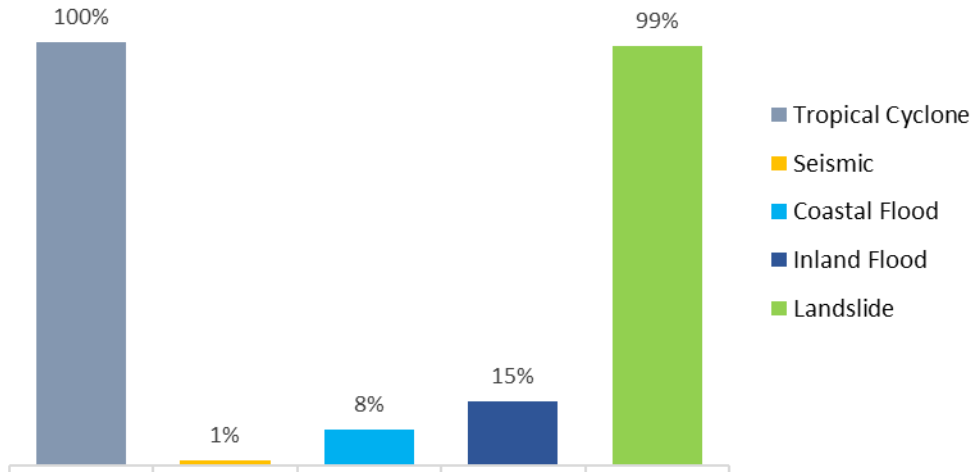


Figure 5. Percent population exposure to hazard type for Saint Elizabeth

Table 4. Multi-Hazard Exposure Index, Raw and Relative Exposure Index scores for Saint Elizabeth

Index	Saint Elizabeth	
	Score	Rank
Multi-Hazard Exposure	0.130	14
Subcomponents		
Raw Exposure	0.259	11
Relative Exposure	0.000	14



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NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT
PARISH PROFILE – SAINT JAMES

Saint James: Risk

Saint James ranks 14th out of 14 on the Multi-Hazard Risk index with a score of **0.410**. Saint James has low Multi-Hazard Exposure, low Vulnerability, and high Coping Capacity (see Figure 1). The Parish ranks 11th in Multi-Hazard Exposure, 11th in Vulnerability, and 3rd in Coping Capacity.

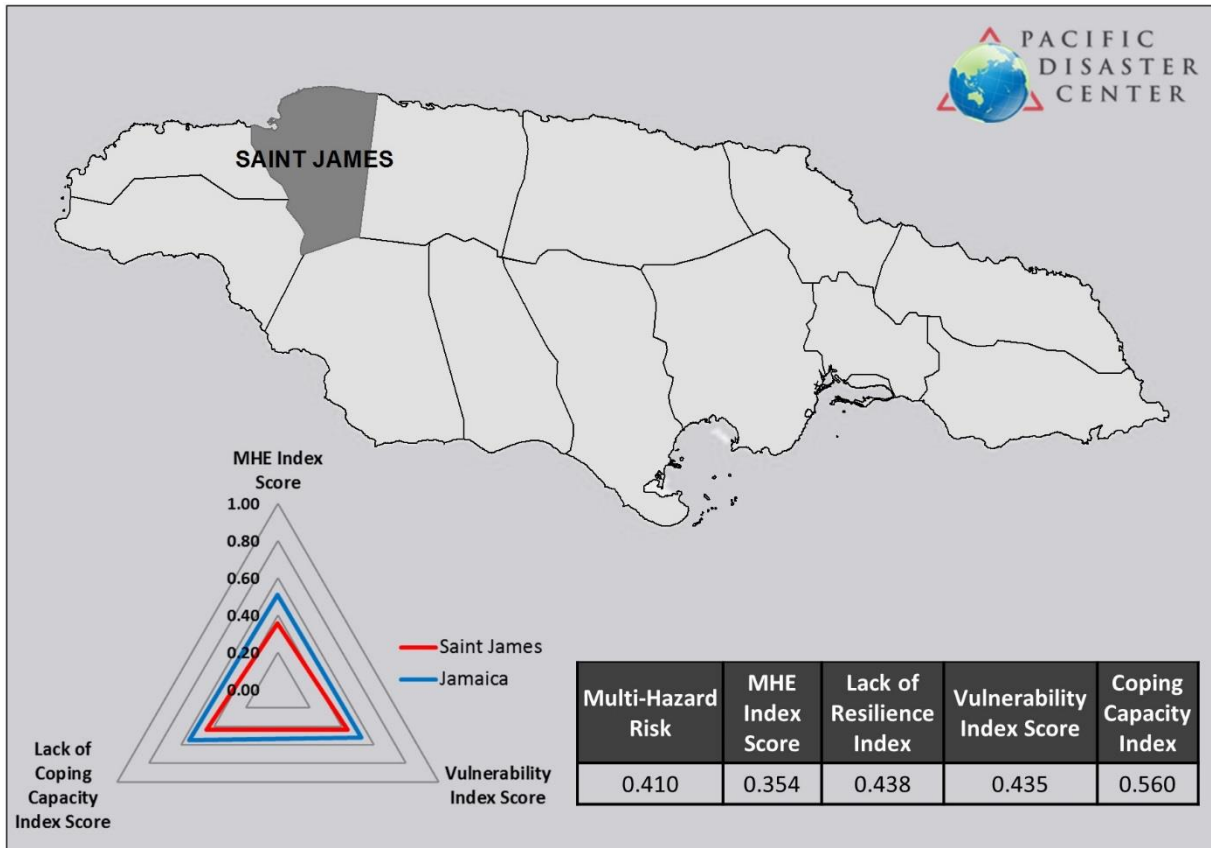


Figure 1. Risk scores for the parish of Saint James

Saint James: Lack of Resilience

Saint James ranks **12th** of **14** on the Lack of Resilience Index with a score of **0.438** (refer to Table 1). Saint James's score and ranking are due to low Vulnerability combined with high Coping Capacity, indicating higher overall resilience. Saint James Parish ranks 11th in Vulnerability and 3rd in Coping Capacity.

The three thematic areas with the weakest relative scores for the Parish of Saint James are: **Environmental Capacity, Health Care Capacity** and **Environmental Stress**.

Table 1. Lack of Resilience Index and Component scores for Saint James

Index	Saint James	
	Score	Rank
Lack of Resilience	0.438	12
Components		
Vulnerability	0.435	11
Coping Capacity	0.560	3

Saint James: Coping Capacity

Saint James's Coping Capacity ranks **3rd** out of **14** with a score of **0.560**. The thematic areas with the weakest relative scores are **Environmental Capacity** and **Health Care Capacity** (refer to Figure 2 and Table 2). These two thematic areas appear to constrain Coping Capacity within this parish.

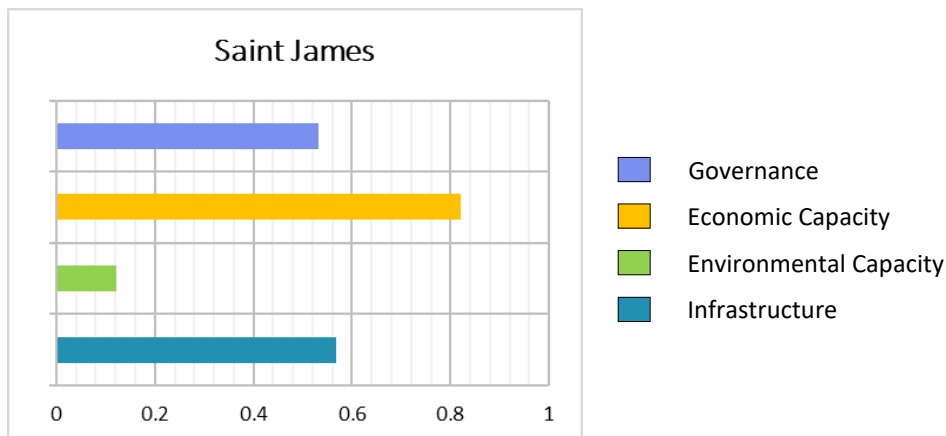


Figure 2. Coping Capacity subcomponents for Saint James

Table 2. Coping Capacity Index, subcomponent and sub-index scores for Saint James

Index	Saint James	
	Score	Rank
Coping Capacity	0.560	3
Subcomponents		
Governance	0.532	5
Economic Capacity	0.820	2
Environmental Capacity	0.122	12
Infrastructure	0.568	3
Infrastructure Sub-indices		
Health Care	0.376	10
Transportation	0.618	3
Communications	0.710	2

Saint James: Vulnerability

Saint James ranks **11th** out of **14** on the Vulnerability Index with a score of **0.435**. Though Vulnerability in Saint James is relatively low, the Index is influenced by subcomponent scores in the areas of **Environmental Stress** and **Vulnerable Health Status**. Refer to Figure 3 and Table 3.

Table 3. Vulnerability Index and subcomponent index scores for Saint James

Index	Saint James	
	Score	Rank
Vulnerability	0.435	11
Subcomponents		
Economic Constraints	0.335	13
Info Access Vulnerability	0.327	12
Vulnerable Health Status	0.556	6
Clean Water Vulnerability	0.400	11
Environmental Stress	0.603	3
Recent Disaster Impacts	0.326	11
Gender Inequality	0.500	10

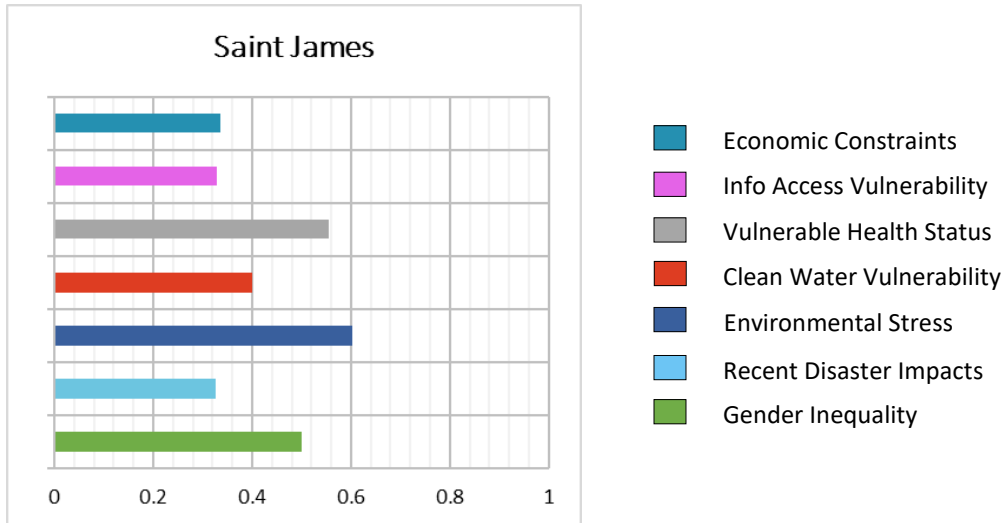


Figure 3: Vulnerability subcomponents for Saint James

Saint James: Multi-Hazard Exposure

Saint James ranks **11th** out of **14** on the Multi-Hazard Exposure index with a score of **0.354** (refer to Table 4). Despite this low rank, a significant proportion of the population is exposed to **tropical cyclones, landslides, coastal flood, and inland flood** (see Figure 4 and Figure 5). While Saint James is also exposed to seismic activity, this hazard threatens a smaller proportion of the population.

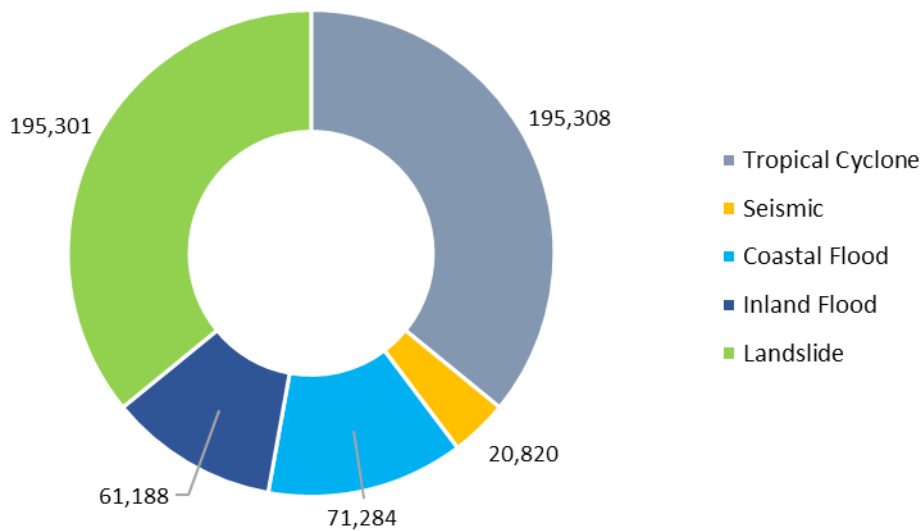


Figure 4. Raw population exposure by hazard type for Saint James

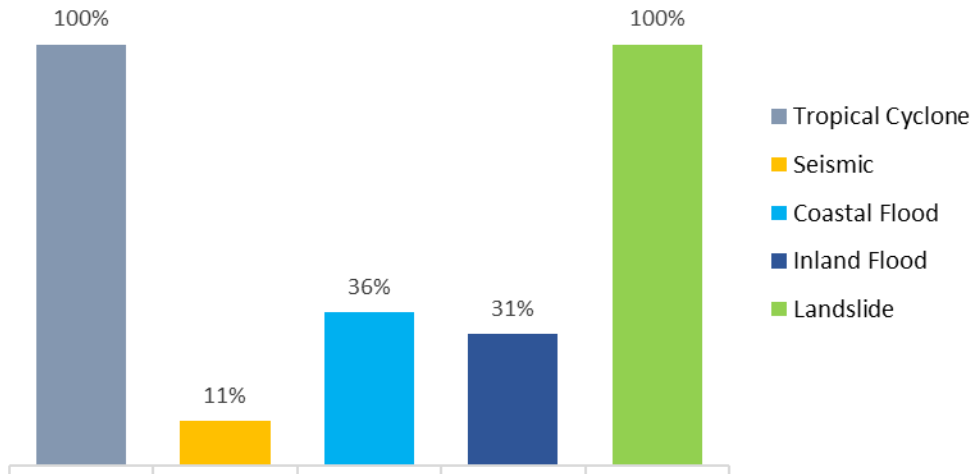


Figure 5. Percent population exposure to hazard type for Saint James

Table 4. Multi-Hazard Exposure Index, Raw and Relative Exposure Index scores for Saint James

Index	Saint James	
	Score	Rank
Multi-Hazard Exposure	0.354	11
Subcomponents		
Raw Exposure	0.408	6
Relative Exposure	0.300	11



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NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT
PARISH PROFILE – SAINT MARY

Saint Mary: Risk

Saint Mary ranks 4th of 14 on the Multi-Hazard Risk Index with a score of **0.605**. Saint Mary's score and ranking are due to high Multi-Hazard Exposure combined with high Vulnerability and moderate Coping Capacity scores (see Figure 1). The Parish ranks 5th in Multi-Hazard Exposure, 3rd in Vulnerability, and 8th in Coping Capacity.

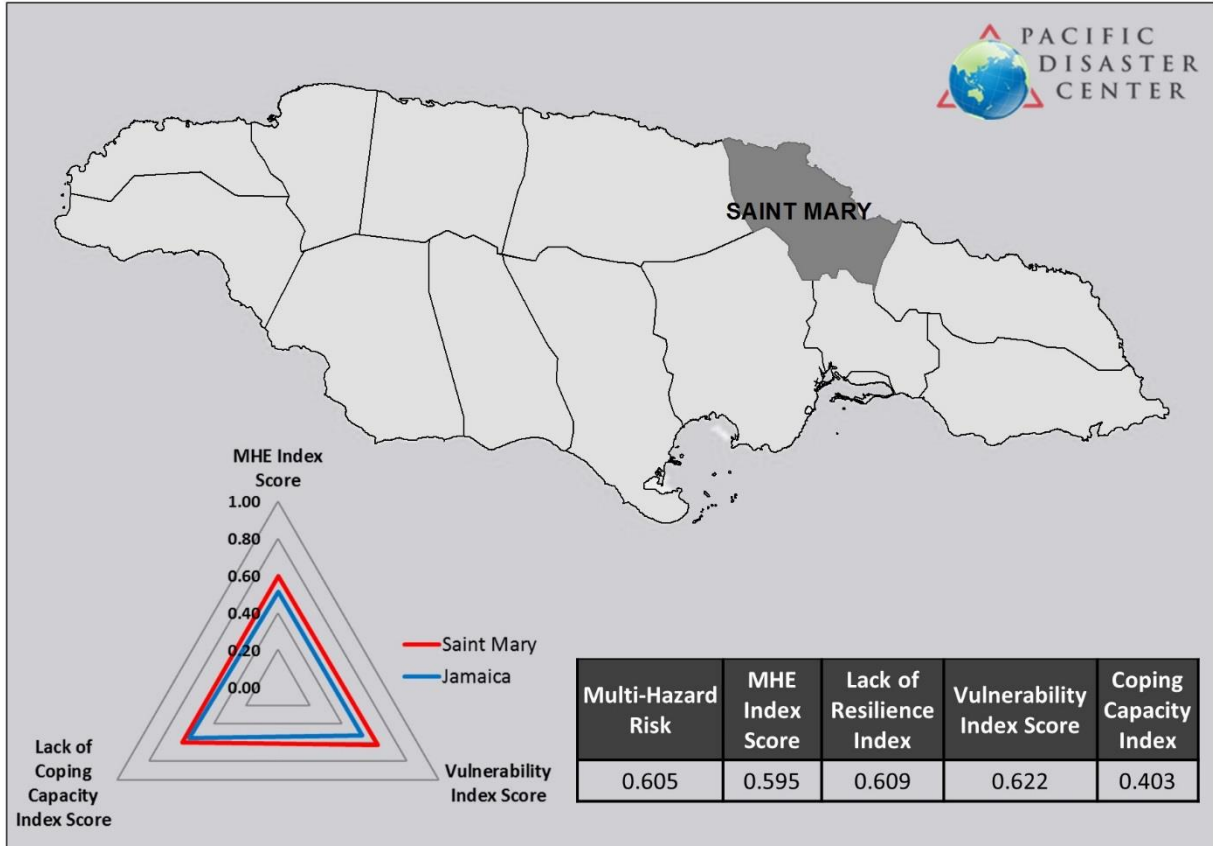


Figure 1. Risk scores for the parish of Saint Mary

Saint Mary: Lack of Resilience

Saint Mary ranks 4th of 14 on the Lack of Resilience Index with a score of **0.609** (see Table 1). Saint Mary's score and ranking are due to high Vulnerability and low Coping Capacity. The Parish ranks 3rd in Vulnerability and 8th in Coping Capacity.

The three thematic areas with the weakest relative scores for the Saint Mary Parish are: **Economic Capacity, Environmental Capacity, and Recent Disaster Impacts.**

Table 1. Lack of Resilience Index and Component scores for Saint Mary

Index	Saint Mary	
	Score	Rank
Lack of Resilience	0.609	4
Components		
Vulnerability	0.622	3
Coping Capacity	0.403	8

Saint Mary: Coping Capacity

Saint Mary's Coping Capacity ranks 8th out of 14 with a score of **0.403** (see Table 2). The thematic areas with the weakest relative scores are **Economic Capacity** and **Environmental Capacity** (see Figure 2). These two thematic areas appear to constrain Coping Capacity within this parish.

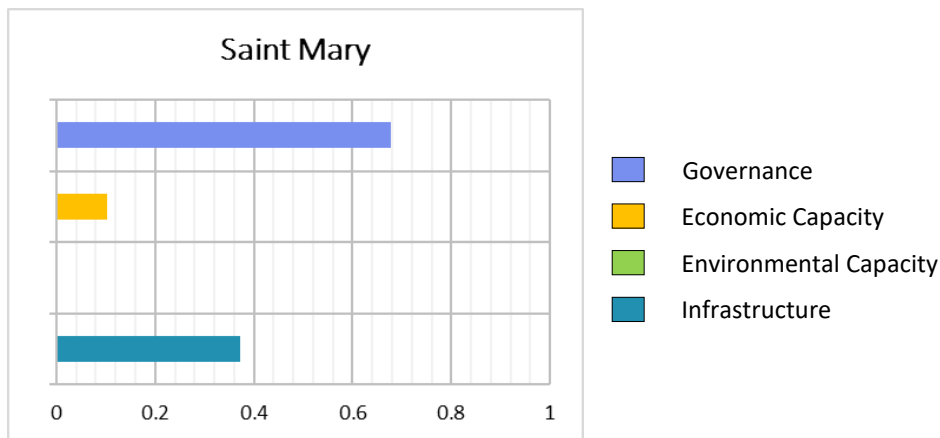


Figure 2. Coping Capacity subcomponents for Saint Mary

Table 2. Coping Capacity Index, subcomponent and sub-index scores for Saint Mary

Index	Saint Mary	
	Score	Rank
Coping Capacity	0.403	8
Subcomponents		
Governance	0.678	2
Economic Capacity	0.103	13
Environmental Capacity	0.000	14
Infrastructure	0.372	9
Infrastructure Sub-indices		
Health Care	0.665	2
Transportation	0.218	11
Communications	0.231	14

Saint Mary: Vulnerability

Saint Mary ranks **3rd** out of **14** on the Vulnerability Index with a score of **0.622**. Vulnerability in Saint Mary is strongly influenced by **Recent Disaster Impacts, Clean Water Vulnerability, and Information Access Vulnerability** subcomponent scores (see Table 3 and Figure 3).

Table 3. Vulnerability Index and subcomponent index scores for Saint Mary

Index	Saint Mary	
	Score	Rank
Vulnerability	0.622	3
Subcomponents		
Economic Constraints	0.486	10
Info Access Vulnerability	0.628	7
Vulnerable Health Status	0.586	4
Clean Water Vulnerability	0.739	7
Environmental Stress	0.583	4
Recent Disaster Impacts	0.749	3
Gender Inequality	0.584	5

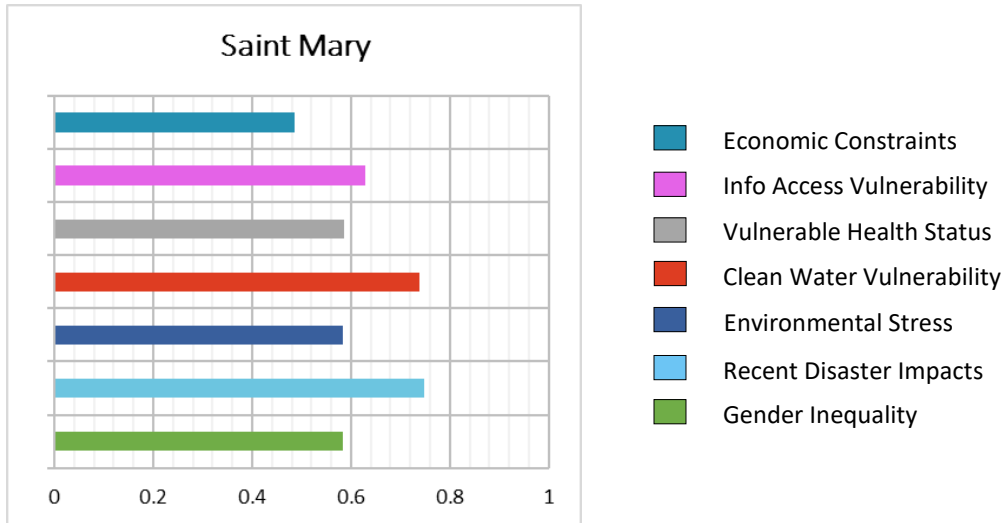


Figure 3. Vulnerability subcomponents for Saint Mary

Saint Mary: Multi-Hazard Exposure

Saint Mary ranks 5th out of 14 on the Multi-Hazard Exposure index with a score of 0.595 (see Table 4). A large proportion of the population is exposed to **tropical cyclone wind, seismic activity, landslides, inland flood, and coastal flood** (refer to Figure 4 and Figure 5).

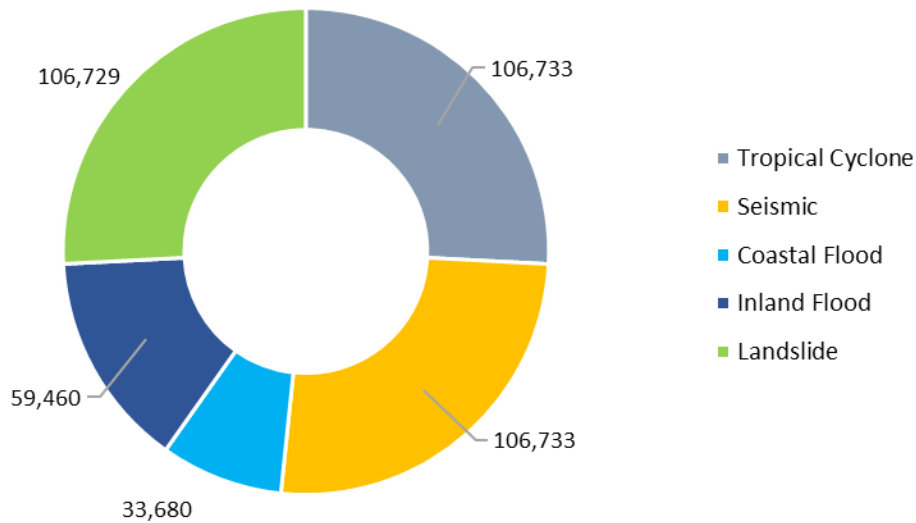


Figure 4. Raw population exposure by hazard type for Saint Mary

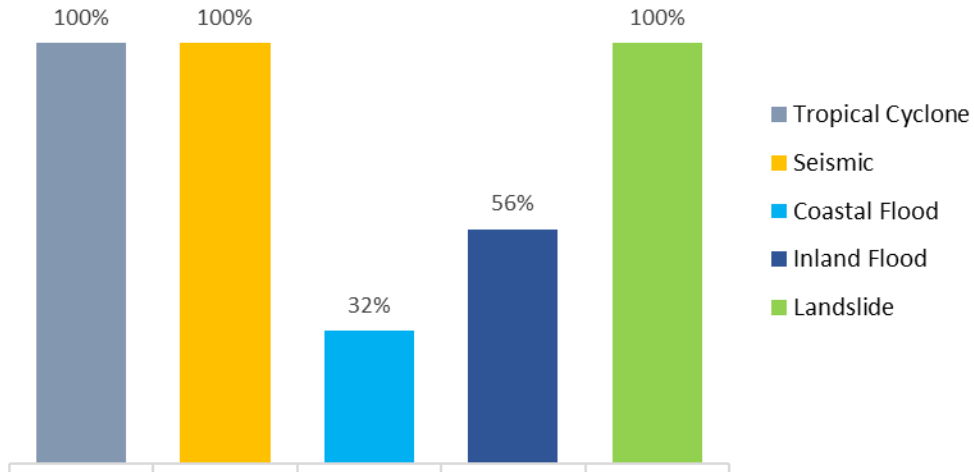


Figure 5. Percent population exposure to hazard type for Saint Mary

Table 4. Multi-Hazard Exposure Index, Raw and Relative Exposure Index scores for Saint Mary

Index	Saint Mary	
	Score	Rank
Multi-Hazard Exposure	0.595	5
Subcomponents		
Raw Exposure	0.296	10
Relative Exposure	0.895	3



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NATIONAL DISASTER PREPAREDNESS BASELINE ASSESSMENT
PARISH PROFILE – TRELAWNY

Trelawny: Risk

Trelawny ranks **8th** out of **14** on the Multi-Hazard Risk Index with a score of **0.528**. Trelawny has low Multi-Hazard Exposure, moderate Vulnerability, and moderate Coping Capacity (see Figure 1). The Parish ranks 10th in Multi-Hazard Exposure, 8th in Vulnerability, and 6th in Coping Capacity.

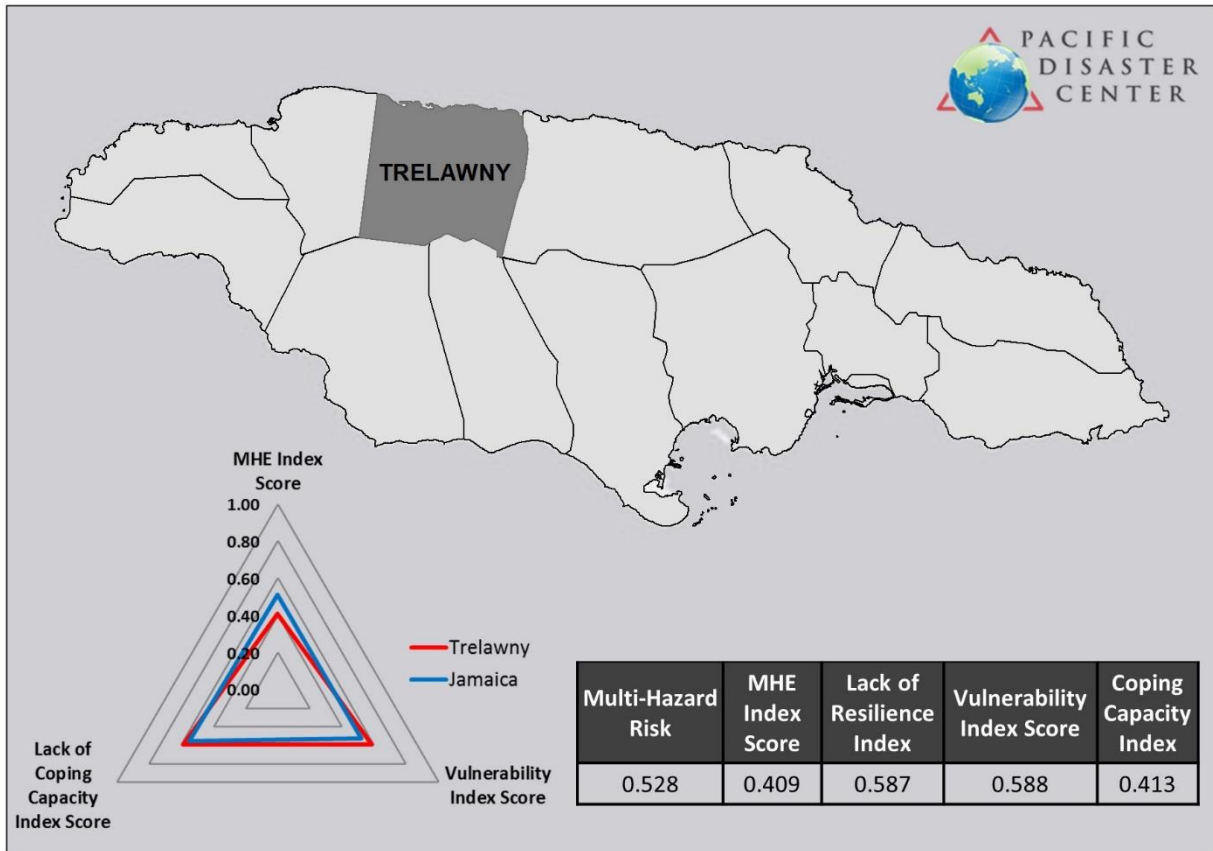


Figure 1. Risk scores for the parish of Trelawny

Trelawny: Lack of Resilience

Trelawny ranks 7th of 14 on the Lack of Resilience Index with a score of **0.587** (see Table 1). Trelawny's score and ranking are due to its moderate Vulnerability and Coping Capacity. The Parish ranks 8th in Vulnerability and 6th in Coping Capacity.

The three thematic areas with the weakest relative scores for the Parish of Trelawny are: **Clean Water Vulnerability, Information Access Vulnerability, and Transportation Infrastructure.**

Table 1. Lack of Resilience Index and Component scores for Trelawny

Index	Trelawny	
	Score	Rank
Lack of Resilience	0.587	7
Components		
Vulnerability	0.588	8
Coping Capacity	0.413	6

Trelawny: Coping Capacity

Trelawny's Coping Capacity ranks 6th out of 14 with a score of **0.413**. The thematic areas with the weakest relative scores are **Infrastructure (especially Transportation)** and **Economic Capacity** (refer to Figure 2 and Table 2). These two thematic areas appear to constrain Coping Capacity within this parish.

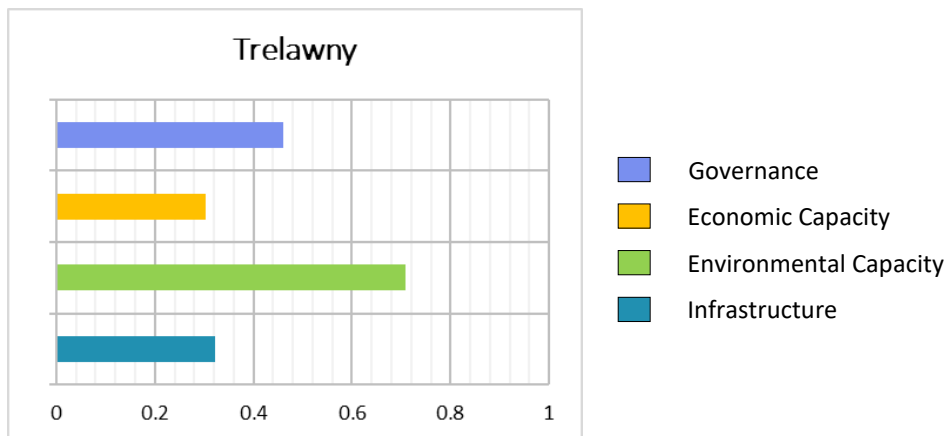


Figure 2. Coping Capacity subcomponents for Trelawny

Table 2. Coping Capacity Index, subcomponent and sub-index scores for Trelawny

Index	Trelawny	
	Score	Rank
Coping Capacity	0.413	6
Subcomponents		
Governance	0.461	7
Economic Capacity	0.304	8
Environmental Capacity	0.710	2
Infrastructure	0.322	12
Infrastructure Sub-indices		
Health Care	0.428	6
Transportation	0.113	14
Communications	0.425	10

Trelawny: Vulnerability

Trelawny ranks 8th out of 14 on the Vulnerability Index with a score of **0.588**. Vulnerability in Trelawny is strongly influenced by **Clean Water Vulnerability, Information Access Vulnerability, and Vulnerable Health Status** subcomponent scores. Refer to Table 3 and Figure 3.

Table 3. Vulnerability Index and subcomponent index scores for Trelawny

Index	Trelawny	
	Score	Rank
Vulnerability	0.588	8
Subcomponents		
Economic Constraints	0.554	6
Info Access Vulnerability	0.805	1
Vulnerable Health Status	0.656	3
Clean Water Vulnerability	0.875	3
Environmental Stress	0.402	11
Recent Disaster Impacts	0.272	13
Gender Inequality	0.549	7

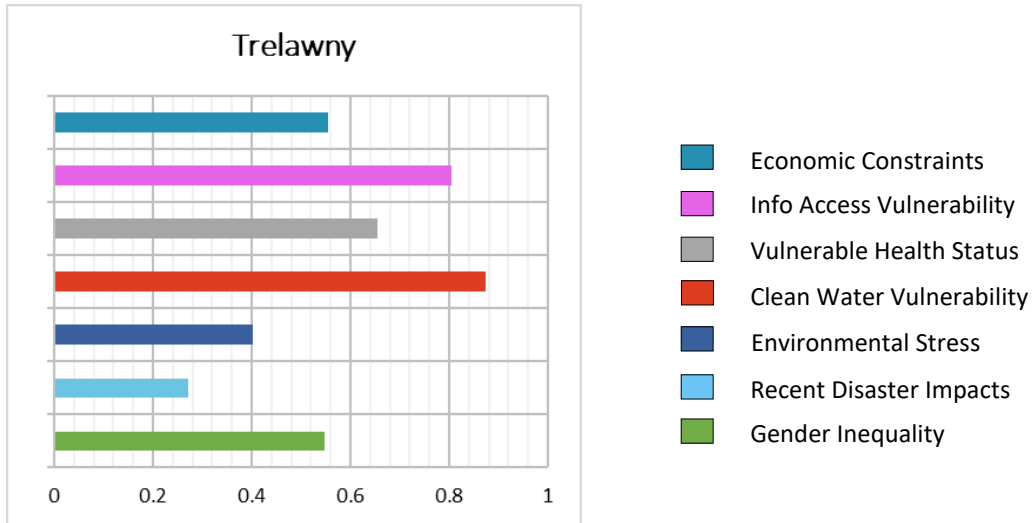


Figure 3. Vulnerability subcomponents for Trelawny

Trelawny: Multi-Hazard Exposure

Trelawny ranks 10th out of 14 on the Multi-Hazard Exposure index with a score of 0.409 (refer to Table 4). A significant proportion of the population is exposed to **tropical cyclone, seismic activity, landslides, coastal flood, and inland flood**. Refer to Figure 4 and Figure 5.

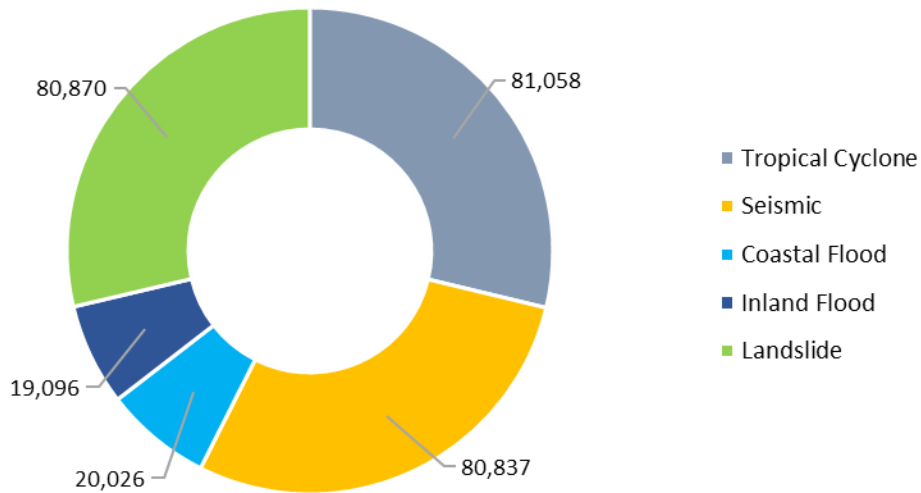


Figure 4. Raw population exposure by hazard type for Trelawny

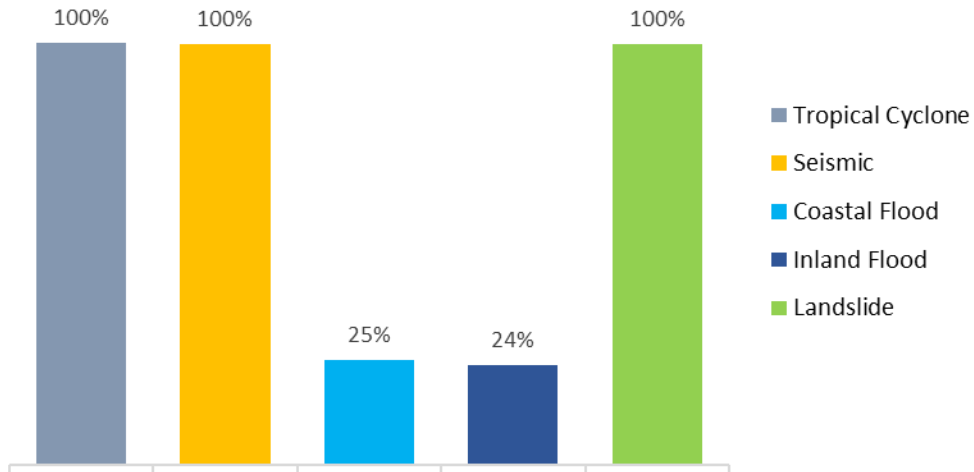


Figure 5. Percent population exposure to hazard type for Trelawny

Table 4. Multi-Hazard Exposure Index, Raw and Relative Exposure Index scores for Trelawny

Index	Trelawny	
	Score	Rank
Multi-Hazard Exposure	0.409	10
Subcomponents		
Raw Exposure	0.138	13
Relative Exposure	0.679	7