

THE BAHAMAS HARBOUR ISLAND

NDPBA ISLAND PROFILE



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ISLAND PROFILE

THE BAHAMAS HARBOUR ISLAND

CAPITAL: DUNMORE TOWN

Area: 1 sq. mi (2.6 sq. km)



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Very Low Score: 0.238 • Rank: 17/17

MULTI-HAZARD EXPOSURE (MHE) - Very Low



RESILIENCE (R) - High Score: 0.569 • Rank: 5/17

Score: 0.111 • Rank: 17/17

VULNERABILITY (V) - Low

Score: 0.399 • Rank: 13/17

Score: 0.737 • Rank: 5/17



Population (2010 Census) 1,762



Population in Poverty 29.3%



Average Annual Foreign Arrivals Per Capita

0.0



Households with Piped Water

98.0%



Prevalence of Crowded Housing



*For more information on data and components please visit: https://bit.ly/2LqVoUO

COPING CAPACITY (CC) - High



SCORE: 0.111



ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:

Note: Population values from PDC's All-hazard Impact Model (AIM) leverage 2020 estimates for The Bahamas. Values may exceed 2010 Census population.





VULNERABILITY (V)

RANK: 13 / 17 ISLANDS ASSESSED SCORE: 0.399

Vulnerability in Harbour Island is primarily driven by Environmental Stress and Housing and Transport Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.





Gender Inequality

SCORE: 0.338 RANK: 12/17 ISLANDS ASSESSED

0.72 Ratio female to male income

1.06 Ratio female to male avg. years of school

16 Adolescent birth rate (per 1,000)

1



Population Pressures

Å	0		1 SCORE:	0.311 RANK: 9/17 ISLANDS ASSESSED	1
	7.5%	0.0	0.0	12.3	
	Average population change (2000 - 2010)	Average annual foreign arrivals per capita	Average annual foreign arrivals per sq. mile	Migration per 100 persons	



RANK: 2 / 17 ISLANDS ASSESSED SCORE: 0.647

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

	Economic	Capacity							
\$\$]0			1 SCO	DRE: 0.703	RANK: 2/17	7 ISLANDS ASSESSED			
	1.2%	\$14,40	0						
	Households rece remittances	iving Median in Bahamian	come, dollars						
	Environme	ental Capaci	ty						
۰ رځ	♦		1 SCO	DRE: 0.000	RANK: 16/*	17 ISLANDS ASSESSED			
	0.0% Protected areas	- Coastline	- Stan	dina fish stock					
		protected I natural hab	oy bitat						
	1. C	0	L -						
æ.	Infrastruct	ture Capacit	y						
				CORE: 0.872	2 RANK: 1/	17 ISLANDS ASSESSED			
	0								
	He He	ealth Care C	apacity So	CORE: 0.095	5 RANK: 17	7/17 ISLANDS ASSESSED			
	0.0	0.0	5.7	-					
	Physicians per 10,000	Nurses & midwives per	Clinics per 10,000	DTP3 Vaccir coverage rat	ie ie				
		10,000							
	Transportation Capacity SCORE: 0.996 RANK: 2/17 ISLANDS ASSESSED								
	11.58 mi p Road density	er sq. mi (7.	2 km per sq	ı. km)					
	Co	ommunicatio	ons Capacity	y SCORE	E: 0.826 RA	NK: 3/17 ISLANDS ASSESSED			
	54.1%	100.0%							
	Internet access	Mobile cove	rage						
	Em 🚼	ergency Sei	vices Capa	city SCC	DRE: 0.667	RANK: 4/17 ISLANDS ASSESSED			
	0.6 mi (0.9	7 km) 0.	56 mi (0.9 kr	n) 0.	0				
	Average distance	e to Ave	rage distance to	Sh 10	elter capacity per				
		010			o percente				
	Energy Capacity				DRE: 1.000	RANK: 1/17 ISLANDS ASSESSED			
	00 7% 02 8%								
	Households with Households with								
	electricity	liquid propa	ne gas						

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X

LOGISTICS CAPACITY (LC)

RANK: 10 / 18 ISLANDS ASSESSED SCORE: 0.826

Logistics Capacity describes the ability of the island to ensure efficient storage, movement, and delivery of resources key for effective humanitarian assistance and disaster relief operations. Logistics Capacity is driven by distances to a major airport, major seaport, and disaster warehouse.







60.14 mi (96.76 km) Distance to port

9.91 mi (15.95 km) Distance to airport



ISLAND PROFILE



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

RANK: 5 / 17 ISLANDS ASSESSED SCORE: 0.737



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

RANK: 5 / 17 ISLANDS ASSESSED SCORE: 0.569





MULTI-HAZARD RISK (MHR)

17 / 17 RANK WITHIN ISLANDS Score: 0.238

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





Environmental Stress

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

Harbour Island has the highest Environmental Stress score in The Bahamas, with 100 percent of its coral reef exposed to both local threats and thermal stress, more than 25 percent loss in tree cover, and the highest number of historical hurricane hits per kilometer of coastline.

Develop programs to increase monitoring of reef stress and increase protection through environmentally protected areas, natural reserves, or exclusion zones. Include potential climate change effects in planning. Provide education and training on sustainable development and environmental stewardship for both private and public entities. Review building codes and coastal development plans for long-term sustainability of natural and built environments. Monitor natural vegetation cover and implement policies to reduce loss due to manmade events (i.e., fire, land development), and encourage planting and cultivation of natural vegetation where practicable.

Housing and Transport Vulnerability

Older housing units, constructed prior to modern building codes, are more susceptible to the damaging effects of natural hazards. Crowded housing is linked to both economic constraints and vulnerable health status, which are be exacerbated by hazard exposure. Crowding presents a challenge for disaster response activities including evacuation and sheltering when large numbers of people must relocate from their homes. These challenges are further complicated when households do not have personal means of transportation, relying instead on public or mass transit.

Harbour Island has the 3rd highest Housing and Transport Vulnerability ranking. Approximately 43% of households have no vehicle for private use, over 30% of homes were built prior to 1980, and crowding occurs in over 23% of households. Given the island's exposure to hurricanes, among other hazards, these factors may result in an increased need for government services during and after a disaster, especially with regard to evacuation, shelter, and long-term housing.

Evaluate transportation needs throughout the island during normal operations and in times of disaster. Consider all available transportation modes, including air, maritime, and land to support evacuation and transport of equipment and relief supplies. Address Harbour Island's transportation challenges and the increased need for shelter and temporary housing in response and recovery plan updates. Enforce building codes on any new development and where possible, identify opportunities for dual use to expand shelter capacity.

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Health Care Capacity

Robust access to skilled caregivers and the dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster associated health and medical impacts may be addressed.

Harbour Island has the lowest Health Care Capacity ranking in The Bahamas, ranking last in health care personnel and with fewer than six clinics per 10,000 people. Robust access to skilled caregivers and dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster associated health and medical impacts may be addressed.

Offer incentives to encourage health care personnel to locate practices on Harbour Island. Develop a government-sponsored program with traveling physicians and/or nurses to offer targeted and preventative medical care to residents. Promote programs that encourage preventative and self-care to include smoking cessation, weight loss, birth control and proper nutrition.



Environmental Capacity

Properly managed environments sustain populations by providing food, water, and even economic benefits from industries such as tourism. Increasing protected areas can also serve as additional buffers between the population and impacted area.

Harbour Island ranks the lowest in Environmental Capacity in The Bahamas, with no reported protected areas, protection by natural habitat, or standing fish stock. Properly managed environments sustain populations by providing food, water, and economic benefits from industries such as tourism. Establishing and increasing protected areas can serve as buffers between populated areas and those impacted by disaster.

Evaluate the benefits and costs associated with establishing and managing protected areas on Harbour Island. Provide education and training for both private and public entities to simultaneously promote sustainable development and environmental preservation.



Better solutions. Fewer disasters.

Safer vorld.

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