

THE BAHAMAS SPANISH WELLS

NDPBA ISLAND PROFILE



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ISLAND PROFILE

THE BAHAMAS SPANISH WELLS

CAPITAL: SPANISH WELLS

Area: 1.5 sq. mi (3.9 sq. km)



RISK AND VULNERABILITY

COMPONENT SCORE



MULTI-HAZARD RISK (MHR) - Low Score: 0.335 • Rank: 11/17



RESILIENCE (R) - Low Score: 0.482 • Rank: 11/17



MULTI-HAZARD EXPOSURE (MHE) - Low Score: 0.200 • Rank: 13/17



VULNERABILITY (V) - Very High Score: 0.527 • Rank: 2/17



COPING CAPACITY (CC) - Moderate Score: 0.669 • Rank: 7/17

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



Population (2010 Census) 1551



Population in Poverty 26.2%



Average Annual Foreign Arrivals Per Capita



Households with Piped Water 83.7%



Prevalence of Crowded Housing



0.0



RANK: 13 / 17 ISLANDS SCORE: 0.200



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: 2 / 17 ISLANDS ASSESSED SCORE: 0.527

Vulnerability in Spanish Wells is primarily driven by Environmental Stress and Household Composition Vulnerability. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.

Environn	nental Stress	S		
100.0% Coral reef exposed to local threats	100.0% Coral reef exposed to thermal stress	1 43.1% Tree cover los	SCORE: 0.921 4.84 per mi. Historical hurricane hits per length of coastline	RANK: 2/17 ISLANDS ASSESSE . (3.01 per km)
Househo	old Composi	tion Vulne	erability SCORE: 0.791	RANK: 2/17 ISLANDS ASSESSE
6.1% Disability	15.3% Elderly population (65-	+)		
Clean Wa	ater Access	Vulnerabi	lity	
83.7% Households w piped water	98.2% Households wit flush toilets	th Househol shared to facilities	SCORE: 0.545	KANK: 4/17 ISLANDS ASSESSE
Housing	and Transpo	ortation V	ulnerability	BANK: 17/17 ISI ANDS ASSESS
11.3% Crowded hous	16.0% sing Population with private vehicle	54.8% nout Housing before 19	b built 180	
Econom	ic Constrain	ts		
45.7 Economic	\$128 Government	1 1	SCORE: 0.256 26.2% Poverty rate	RANK: 12/17 ISLANDS ASSESS
ratio	received (Bahamian	population		



0

Gender Inequality

0.18

1.06 Ratio female to male avg. years of school Ratio female to male income

Adolescent birth rate (per 1,000)

1

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SCORE: 0.750

RANK: 1/17 ISLANDS ASSESSED



Population Pressures

9	0		1 SCORE:	0.093 RANK: 16/17 ISLANDS ASSESSED
	1.6%	0	0.0	5.1
	Average population change (2000 - 2010)	Average annual foreign arrivals per capita	Average annual foreign arrivals per sq. mile	Migration per 100 persons



RANK: 8 / 17 ISLANDS ASSESSED SCORE: 0.460

Spanish Wells 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 C	apacity				
\$ \$_0			1 SCORE: 0.403	RANK: 9/17 ISL	ANDS ASSESSED	
	0.3% Households receiving remittances	13775 Median income, Bahamian dollars				
	Environmen	tal Capacity				
	O.0% Protected areas	Coastline protected by natural habitat	1 SCORE: 0.000 - Standing fish stock	RANK: 16/17 IS	_ANDS ASSESSED	
((P)	Infrastructu	re Capacity	1 SCORE: 0.6	78 RANK: 3/17 IS	LANDS ASSESSED	
	Hea	Ith Care Capaci	ty SCORE: 0.1	05 RANK: 16/17	SLANDS ASSESSED	
	O Physicians per 10,000	0 6. Nurses & Cli midwives per 10 10,000	.5 - inics per ,000 DTP3 Vac coverage	cine rate		
	Tran 7.5 mi per s Road density	nsportation Capa q. mi (4.66 km p	acity SCORE: er sq. km)	0.882 RANK: 3/1	7 ISLANDS ASSESSED	
	Con	nmunications Ca	apacity SCO	RE: 0.942 RANK: *	I/17 ISLANDS ASSESSED	
	65.7% Internet access	100.0% Mobile coverage				
	Eme	rgency Services	Capacity so	CORE: 0.775 RANI	(: 2/17 ISLANDS ASSESSE	D
	1.11 mi (1.79 Average distance to police station	9 km) 2.29 mi Average dista shelter	(3.69 km) ance to	37.2 Shelter capacity per 100 persons		
	Ener	gy Capacity	S	CORE: 0.689 RANI	(: 13/17 ISLANDS ASSESS	ED
	99.7% Households with	46.7% Households with				

244

electricity

liquid propane gas

X

LOGISTICS CAPACITY (LC)

RANK: 6 / 18 ISLANDS ASSESSED SCORE: 0.874

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.





49.26 mi (79.26 km) Distance to port

0 mi (0 km) Distance to airport



49.26 mi (79.26 km) Distance to warehouse

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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: 7 / 17 ISLANDS ASSESSED SCORE: 0.669



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

RANK: 11 / 17 ISLANDS ASSESSED SCORE: 0.482





MULTI-HAZARD RISK (MHR)

11 / 17 RANK WITHIN ISLANDS Score: 0.335

Spanish Wells' score and ranking are due to Low Multi-hazard Exposure combined with Very High Vulnerability and Moderate Coping Capacity scores.

Multi-hazard risk component scores compared to overall average country scores:

SPANISH WELLS SCORE





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 Spanish Wells' population.

Spanish Wells has the 2nd highest overall Environmental Stress ranking in The Bahamas with the highest rate of forest cover change (43% over a 20-year period), highest percentage of reef exposure to thermal stress (100%) and local threats (100%), and the 2nd highest hurricane hits per kilometer of coastline. Spanish Wells also has the highest landslide exposure ranking in the islands.

Increase environmental protection measures. Develop programs to encourage planting of natural vegetation, replanting of forest, and limit development in natural areas.

Review building codes and coastal development plans for long range sustainability of not only the structures, but the island and surrounding environment. Establish environmental protection areas as needed to protect natural reefs and institute monitoring of reef health and effectiveness of protection measures.



Household Composition Vulnerability

Vulnerable household members may have special needs that necessitate additional support to ensure their safety before, during, and after a disaster. Elderly or disabled family members more likely to require financial support, transportation, or specialized resources to support their daily care.

Spanish Wells has the 2nd highest score for overall Vulnerability. It also has the 2nd highest Household Composition Vulnerability ranking, driven by the 3rd highest percentage of households with elders (15.3%) age 65 and older, and the 3rd highest percentage of persons with long-term disabilities. Elderly and/or disabled individuals are more susceptible to negative consequences as a result of a disaster due to their reliance on others for sustenance, health care, mobility assistance, and shelter.

Increase social services to identify and provide assistance to vulnerable households. Expand available medical care through government programs and non-governmental organizations to ensure that children, the elderly, and the disabled have their medical, nutritional, and shelter needs met.

Review and update local emergency plans to anticipate and address the special needs of vulnerable population groups. Include special considerations in disaster management and sheltering plans for those with chronic health conditions, mobility challenges or other disabilities. These individuals will require extra precautions to protect against transmission of COVID-19 and other communicable diseases during sheltering.

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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.

Spanish Wells ranks next to last for overall Health Care Capacity, with fewer than seven health care clinics per 10,000 persons. RVA analysis showed no physicians or nurses/midwives available per 10,000 population. 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. The health care capacity limitations evident for Spanish Wells could lead to negative consequences during a disaster when urgent care may be required.

Improve health care services in Spanish Wells through expansion of health care infrastructure and availability of medical personnel. Encourage providers to support existing clinics or open new ones on the island. Provide government-supported traveling physicians or nurses/midwives to deliver preventative and acute care on a consistent basis.

Strengthen health education programs focused on promoting overall health and wellness, including maternal and child health, vaccination, nutrition, smoking cessation, family planning and weight loss to minimize the preponderance of long-term illnesses.



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.

Spanish Wells ranks the lowest in Environmental Capacity in The Bahamas. The island has no designated protected areas. Properly managed environments sustain populations by providing food, water, and economic benefits from industries such as tourism. Increasing protected areas can serve as additional buffers between the population and disaster-impacted areas.

Identify island features for designation as protected areas, such as beach parks, green belts, and natural area buffers to provide protection from hazard impacts. Institute management programs to monitor use of these areas and environmental changes such climate change impacts, reef health, and erosion.



Better solutions. Fewer disasters.

Safer vorld.

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