



THE PHILIPPINES

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# TAWI-TAWI

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## NDPBA PROVINCE PROFILE

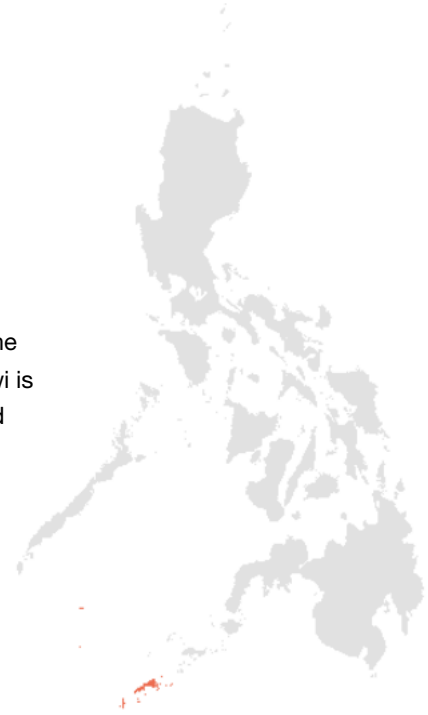
# THE PHILIPPINES

## TAWI-TAWI

### CAPITAL: BONGAO

Area: 3,627 km<sup>2</sup>

Tawi-Tawi, island, is located on the southwestern Sulu archipelago, Philippines and lies between the Celebes Sea (southeast) and the Sulu Sea (northwest). The westernmost tip of Tawi-Tawi is only 40 miles (64 km) east of Borneo. Tawi-Tawi is 34 miles (55 km) long and from 6 to 14 miles (10 to 23 km) wide and is hilly and heavily wooded. The inhabitants are primarily Sama, a people speaking Sama-Bajau languages of the Austronesian family. The largest settlement on the island is Bato-Bato. The climate is warm and moist, and coconut, tobacco, sugarcane, and kapok are the major commercial crops grown in the island's fertile volcanic soils. Rice, corn, citrus fruits, root crops, vegetables, cacao, and coffee are also grown. Shells for mother-of-pearl, capiz shells, and reptile skins are collected. Fishing is of great importance, and the inhabitants are accomplished boatbuilders.



## RISK AND VULNERABILITY COMPONENT SCORE



**MULTI-HAZARD RISK (MHR) - Very Low**  
Score: 0.438 • Rank: 76/84



**RESILIENCE (R) - Very Low**  
Score: 0.344 • Rank: 81/84



**MULTI-HAZARD EXPOSURE (MHE) - Very Low**  
Score: 0.002 • Rank: 84/84



**VULNERABILITY (V) - Very High**  
Score: 0.648 • Rank: 5/84



**COPING CAPACITY (CC) - Very Low**  
Score: 0.336 • Rank: 81/84



Population (2018)  
**188,677**



Population in Poverty  
**14.7%**



Literate population  
**87.2%**



Access to improved water  
**70.5%**



Average life expectancy  
**58.8 years**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 84 / 84 PROVINCES  
SCORE: 0.002



MHE  
0.002

Raw MHE  
0.005

Relative MHE  
0

### ESTIMATED POPULATION AND CAPITAL EXPOSED TO EACH HAZARD:



Earthquake

**0%**

0  
0



Tsunami

**5%**

9,932  
\$9.2 Million



Flood

0

0  
0



Liquefaction

0

0  
0



Landslide

**2%**

3,539  
\$44.6 Million



Volcano

**<1%**

2  
\$32,663



Drought

0

0  
0



Wildfire

0

0  
0



Storm Surge

**48%**

90,669  
\$283.9 Million



Typhoon Winds

0

0  
0




## VULNERABILITY (V)

**RANK: 5 / 84 PROVINCES ASSESSED**  
**SCORE: 0.648**

Vulnerability in Tawi-Tawi is primarily driven by Gender Inequality and Clean Water Access Vulnerability. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



### Environmental Stress

0  1 **SCORE: 0.467** **RANK: 45/84** PROVINCES ASSESSED

**2.96** Livestock density  
**19.76** Barren land (per 10k hectares)  
**4.51%** Forest cover change



### Vulnerable Health Status

0  1 **SCORE: 0.546** **RANK: 16/84** PROVINCES ASSESSED

**14.2%** Malnutrition among children (0 to 5 years old)  
**8.29** Infant mortality rate (per 1k live births)  
**92.12** Maternal mortality rate (per 100k live births)  
**58.84** Life expectancy  
**357** Disability (per 100k persons)

**1** Tuberculosis mortality rate (per 100k persons)  
**0** HIV mortality rate (per 100k persons)  
**1** Intestinal disease mortality rate (per 100k persons)  
**0.5** Other arthropod-borne viral fevers and viral hemorrhagic fever mortality rate (per 100k persons)



### Clean Water Vulnerability

0  1 **SCORE: 0.867** **RANK: 4/84** PROVINCES ASSESSED

**70.5%** Households with improved safe water source  
**22.4%** Households with sanitary toilet facility




### Information Access Vulnerability

0  1 **SCORE: 0.825** **RANK: 3/84** PROVINCES ASSESSED

**87.20%** Literacy rate (age 10 and older)  
**88.12%** Gross primary school enrollment rate  
**0.77%** Internet Access  
**66.21%** Households with radio  
**36.31%** Households with television



### Economic Constraints

0  1 **SCORE: 0.534** **RANK: 24/84** PROVINCES ASSESSED

**0.73**  
Economic  
dependency  
ratio

**14.67%**  
Poverty  
incidence



### Gender Inequality

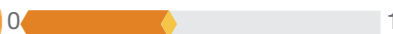
0  1 **SCORE: 0.891** **RANK: 5/84** PROVINCES ASSESSED

**1.2**  
Female to male  
secondary school  
enrollment Rate

**0.29**  
Labor force  
participation ratio



### Population Pressures

0  1 **SCORE: 0.408** **RANK: 42/84** PROVINCES ASSESSED

**1.22**  
Population  
growth rate  
(2010-2015)

**8.12**  
Average annual  
urban population  
growth rate

**2.1%**  
Informal settlers



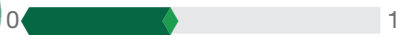
# COPING CAPACITY (CC)

**RANK: 81 / 84 PROVINCES ASSESSED**  
**SCORE: 0.336**

Tawi-Tawi exhibits weaker Coping Capacity in the areas of Emergency Services Capacity and Communications Capacity. The bar chart indicates the socioeconomic themes contributing to the province's overall Coping Capacity score.



## Economic Capacity



**SCORE: 0.411** **RANK: 72/84 PROVINCES ASSESSED**

**0.9**

Purchasing power of the peso

**48.84%**

Labor force participation rate

**2058.27**

Local government annual regular income per capita (Philippine Peso)



## Governance



**SCORE: 0.482** **RANK: 71/84 PROVINCES ASSESSED**

**79.7%**

Voter participation

**4.69**

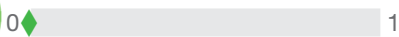
Organized violence (per 100k persons)

**5.87%**

Garbage pickup



## Environmental Capacity



**SCORE: 0** **RANK: 77/84 PROVINCES ASSESSED**

**0**

Protected areas (per 1k ha)

**0.0%**

Forest reserves



### Infrastructure Capacity

0 1 **SCORE: 0.228** **RANK: 82/84** PROVINCES ASSESSED



### Health Care Capacity **SCORE: 0.258** **RANK: 78/84** PROVINCES ASSESSED

<b>4.71</b>	<b>0.63</b>	<b>63.35%</b>	<b>13.43</b>
Hopital beds (per 10k people)	Physicians per 10,000 people	Vaccination coverage	Average distance to nearest hospital (km)



### Transportation Capacity **SCORE: 0.465** **RANK: 49/84** PROVINCES ASSESSED

<b>0.46</b>	<b>13.42</b>
Road density (km per sq. km)	Average distance to nearest port (km)



### Communications Capacity **SCORE: 0.155** **RANK: 81/84** PROVINCES ASSESSED

<b>0.9%</b>	<b>60.1%</b>
Households with a landline	Mobile coverage



### Energy Capacity **SCORE: 0.245** **RANK: 80/84** PROVINCES ASSESSED

<b>43.1%</b>	<b>8.6%</b>
Households with electricity	Households with gas



### Emergency Services Capacity **SCORE: 0.06** **RANK: 82/84** PROVINCES ASSESSED

<b>0</b>	<b>1</b>	<b>0.5</b>
Evacuation centers (per 100k persons)	Fire Stations (per 100k persons)	Fire Trucks (per 100k persons)



## RESILIENCE (R)

**RANK: 81 / 84 PROVINCES ASSESSED**  
**SCORE: 0.344**

Tawi-Tawi's score and ranking are due to Very High Vulnerability combined with Very Low Coping Capacity scores.

**Below are the four thematic areas with the weakest relative scores:**



**Gender Inequality**



**Clean Water Access Vulnerability**



**Emergency Services Capacity**



**Communications Capacity**



## HAZARD-SPECIFIC RISK (HSR)



**Earthquake**

**RANK: 79 / 84 PROVINCES ASSESSED**  
**SCORE: 0.000**



**Tsunami**

**RANK: 9 / 84 PROVINCES ASSESSED**  
**SCORE: 0.232**



**Flood**

**RANK: 74 / 84 PROVINCES ASSESSED**  
**SCORE: 0.000**



**Liquefaction**

**RANK: 81 / 84 PROVINCES ASSESSED**  
**SCORE: 0**



**Landslide**

**RANK: 66 / 84 PROVINCES ASSESSED**  
**SCORE: 0.140**



**Volcano**

**RANK: 66 / 84 PROVINCES ASSESSED**  
**SCORE: 0.015**

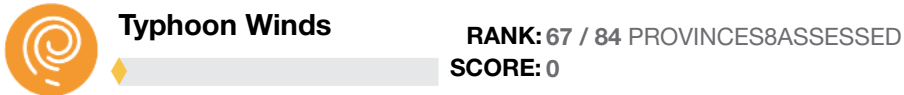
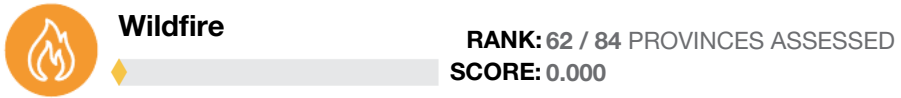


**Drought**

**RANK: 58 / 84 PROVINCES ASSESSED**  
**SCORE: 0.000**



**(HAZARD-SPECIFIC RISK CONTINUED)**



**MULTI-HAZARD RISK (MHR)**

**76 / 84**  
RANK WITHIN PROVINCES  
Score: 0.438



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

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

PROVINCE SCORE  
COUNTRY SCORE



# TAWI-TAWI RECOMMENDATIONS

## 1

### Gender Inequality

- Tawi-Tawi is ranked 5th highest in the Philippines for gender inequality. Build upon existing accomplishments, including the work related to the UN Sustainable Development Goals, to continuously monitor and reduce gender-based discrimination and bias. Focus efforts on enforcing equal employment opportunities and empowering women to continue their education.
- Actively engage women and other marginalized groups in disaster management and community plans. Provide equal opportunities throughout society to reduce disparities and incorporate feedback mechanisms into policies and programs to ensure effective implementation.

## 2

### Clean Water Access Vulnerability

- In Tawi-Tawi, only 22.44% of households have access to sanitary toilets, which is the 3rd lowest in the Philippines. Additionally, only 70.54% of households have access to improved water sources. Invest in improved water and sanitation infrastructure to increase access to clean water.

## 3

### Emergency Services Capacity

- Tawi-Tawi ranked 82nd out of the 84 territories for emergency services capacity. There are no government run evacuation centers and 0.5 fire trucks per 100,000 persons, the 3rd lowest in the Philippines. Continue work with partners such as the Philippines Red Cross to expand and enhance emergency service capacity. Focus on establishing evacuation centers, as well as increasing the number fire stations and fire trucks to serve the population and increase emergency service capacity.
- Continue to support evidence-based preparedness and response coordination, including the provision of emergency equipment and supplies. Additionally, increase efforts to have a central database that makes sub-national data on disaster management capabilities and resources more accessible. Increasing transparency through sharing data will ensure efficient and effective coordination at all levels of government, as well as with partners.

# 4

## Communications Capacity

- Findings show that Tawi-Tawi has the 4th lowest communications capacity score in the Philippines. Only 60% of barangays have cellular signal and less than 1% of households have landlines. Focus efforts on increasing communications capacity through investments in infrastructure.
- Tawi-Tawi is isolated, being comprised of small islands about 300 kilometers off-shore from the main island of Mindanao. While improvements to infrastructure are underway, work to expand alternative forms of communications, including the use of boats with radios.

**Better solutions.  
Fewer disasters.**

# Safer world.

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