



**THE PHILIPPINES**

**ALBAY**

**NDPBA PROVINCE PROFILE**

# THE PHILIPPINES

## ALBAY

### CAPITAL: CITY OF LEGAZPI

Area: 2,575 km<sup>2</sup>

Albay Province is located in southeastern Luzon Island. The region is generally mountainous and contains Mayon Volcano – the most active volcano in the Philippines. Significant activity occurred as recently as 2018 and with other recent events including the cyclone-induced mudflows in 2006 that killed upward of 1,000 people. The area also contains the Albay Biosphere Reserve, which is equal in size (250,000 hectares) to the province. Economic drivers are agriculture in the fertile plains between mountains, and tourism (Mayon and the Biosphere, as well as protected marine areas on both eastern and western coasts). Residents of Albay are also referred to as Albayanos. As with most of the country there are many dialects spoken, especially in the inner towns of Albay. Agriculture is the major industry for Albay with some manufacturing and forestry industries also contributing to the economy. Rural communities finally benefit from handcrafted items.



## RISK AND VULNERABILITY COMPONENT SCORE



**MULTI-HAZARD RISK (MHR) - High**  
Score: 0.536 • Rank: 21/84



**RESILIENCE (R) - Medium**  
Score: 0.56 • Rank: 46/84



**MULTI-HAZARD EXPOSURE (MHE) - High**  
Score: 0.730 • Rank: 20/84



**VULNERABILITY (V) - High**  
Score: 0.475 • Rank: 28/84



**COPING CAPACITY (CC) - High**  
Score: 0.596 • Rank: 23/84



Population (2018)  
**1,293,646**



Population in Poverty  
**14.8%**



Literate population  
**99.2%**



Access to improved water  
**96.9%**



Average life expectancy  
**69.1 years**

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



## MULTI-HAZARD EXPOSURE (MHE)

RANK: 20 / 84 PROVINCES  
SCORE: 0.730



MHE  
0.730

Raw MHE  
0.732

Relative MHE  
0.728

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



Earthquake

**89%**

**1,149,865**  
**\$6.8 Billion**



Tsunami

**8%**

**102,586**  
**\$624.8 Million**



Flood

-

-  
-



Liquefaction

**35%**

**459,168**  
**\$3.7 Billion**



Landslide

**7%**

**93,797**  
**\$335.7 Million**



Volcano

**15%**

**190,974**  
**\$998.2 Million**



Drought

**86%**

**1,114,112**  
**\$6.6 Billion**



Wildfire

**3%**

**33,534**  
**\$151.9 Million**



Storm Surge

**12%**

**159,258**  
**\$892.7 Million**



Typhoon Winds

**100%**

**1,292,828**  
**\$7.1 Billion**




## VULNERABILITY (V)

**RANK: 28 / 84 PROVINCES ASSESSED**  
**SCORE: 0.475**

Vulnerability in Albay is primarily driven by Environmental Stress and Population Pressures. The bar chart indicates the socioeconomic themes contributing to the province's overall Vulnerability score.



### Environmental Stress

0  1 **SCORE: 0.679** **RANK: 4/84 PROVINCES ASSESSED**

**1.4** Livestock density  
**124.15** Barren land (per 10k hectares)  
**-3.12%** Forest cover change



### Vulnerable Health Status

0  1 **SCORE: 0.474** **RANK: 31/84 PROVINCES ASSESSED**

**10.5%** Malnutrition among children (0 to 5 years old)  
**5.04** Infant mortality rate (per 1k live births)  
**45.53** Maternal mortality rate (per 100k live births)  
**69.09** Life expectancy  
**494** Disability (per 100k persons)

**33.2** Tuberculosis mortality rate (per 100k persons)  
**0.1** HIV mortality rate (per 100k persons)  
**4.4** 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: 0.421** **RANK: 42/84 PROVINCES ASSESSED**

**96.9%** Households with improved safe water source  
**78.4%** Households with sanitary toilet facility




### Information Access Vulnerability

0  1 **SCORE: 0.378** **RANK: 64/84 PROVINCES ASSESSED**

**99.24%** Literacy rate (age 10 and older)  
**115.03%** Gross primary school enrollment rate  
**4.89%** Internet Access  
**65.30%** Households with radio  
**69.58%** Households with television



### Economic Constraints

0  1 **SCORE: 0.434** **RANK: 37/84** PROVINCES ASSESSED

**0.65**  
Economic  
dependency  
ratio

**14.78%**  
Poverty  
incidence



### Gender Inequality


0  1 **SCORE: 0.439** **RANK: 42/84** PROVINCES ASSESSED

**1.08**  
Female to male  
secondary school  
enrollment Rate

**0.48**  
Labor force  
participation ratio



### Population Pressures

0  1 **SCORE: 0.503** **RANK: 17/84** PROVINCES ASSESSED

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

**9.56**  
Average annual  
urban population  
growth rate

**3.1%**  
Informal settlers




## COPING CAPACITY (CC)

**RANK: 23 / 84 PROVINCES ASSESSED**  
**SCORE: 0.596**

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



### Economic Capacity

0  1 **SCORE: 0.521** **RANK: 37/84 PROVINCES ASSESSED**

**0.91**

Purchasing power of the peso

**62.69%**


Labor force participation rate

**1156.01**

Local government annual regular income per capita (Philippine Peso)



### Governance

0  1 **SCORE: 0.713** **RANK: 18/84 PROVINCES ASSESSED**

**85.8%**

Voter participation

**7.47**


Organized violence (per 100k persons)

**27.85%**

Garbage pickup



### Environmental Capacity

0  1 **SCORE: 0.513** **RANK: 19/84 PROVINCES ASSESSED**

**22.11**

Protected areas (per 1k ha)

**10.3%**

Forest reserves



### Infrastructure Capacity

0 1 **SCORE: 0.584** **RANK: 32/84** PROVINCES ASSESSED



### Health Care Capacity **SCORE: 0.532** **RANK: 36/84** PROVINCES ASSESSED

<b>7.08</b>	<b>3.05</b>	<b>57.18%</b>	<b>3.46</b>
Hopital beds (per 10k people)	Physicians per 10,000 people	Vaccination coverage	Average distance to nearest hospital (km)



### Transportation Capacity **SCORE: 0.542** **RANK: 35/84** PROVINCES ASSESSED

<b>1.17</b>	<b>20.65</b>
Road density (km per sq. km)	Average distance to nearest port (km)



### Communications Capacity **SCORE: 0.715** **RANK: 36/84** PROVINCES ASSESSED

<b>3.0%</b>	<b>94.6%</b>
Households with a landline	Mobile coverage



### Energy Capacity **SCORE: 0.716** **RANK: 26/84** PROVINCES ASSESSED

<b>85.5%</b>	<b>20.0%</b>
Households with electricity	Households with gas



### Emergency Services Capacity **SCORE: 0.413** **RANK: 50/84** PROVINCES ASSESSED

<b>26.65</b>	<b>1.41</b>	<b>2.3</b>
Evacuation centers (per 100k persons)	Fire Stations (per 100k persons)	Fire Trucks (per 100k persons)



## RESILIENCE (R)

**RANK: 46 / 84 PROVINCES ASSESSED**  
**SCORE: 0.56**

Albany's score and ranking are due to High Vulnerability combined with High Coping Capacity scores.

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



**Environmental Stress**



**Population Pressures**



**Emergency Services Capacity**



**Economic Capacity**



## HAZARD-SPECIFIC RISK (HSR)



**Earthquake**

**RANK: 32 / 84 PROVINCES ASSESSED**  
**SCORE: 0.300**



**Tsunami**

**RANK: 7 / 84 PROVINCES ASSESSED**  
**SCORE: 0.3**



**Flood**

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



**Liquefaction**

**RANK: 29 / 84 PROVINCES ASSESSED**  
**SCORE: 0.221**



**Landslide**

**RANK: 54 / 84 PROVINCES ASSESSED**  
**SCORE: 0.191**



**Volcano**

**RANK: 4 / 84 PROVINCES ASSESSED**  
**SCORE: 0.391**

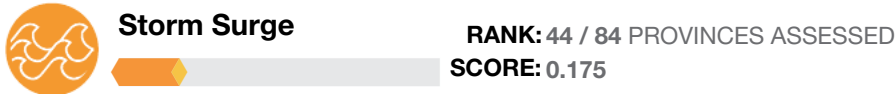
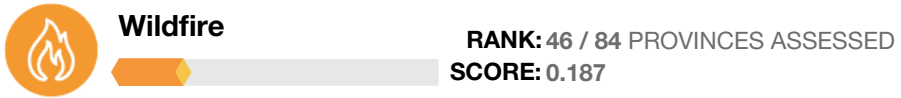


**Drought**

**RANK: 11 / 84 PROVINCES ASSESSED**  
**SCORE: 0.402**



**(HAZARD-SPECIFIC RISK CONTINUED)**



**MULTI-HAZARD RISK (MHR)**

**21 / 84**

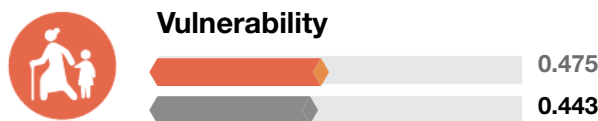
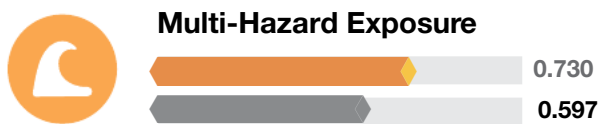
RANK WITHIN PROVINCES  
Score: 0.536



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

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

PROVINCE SCORE  
COUNTRY SCORE



# ALBAY RECOMMENDATIONS

## 1

### Environmental Stress

- In Albay, there was a 3.12% loss in forest cover between 2000 and 2010, which is the 5th highest forest cover change in the Philippines. Advocate for and commit to reforestation projects throughout Albay.
- Recent projects taking place in Albay have focused on organic fertilizer use. That work along with more diverse sustainable agricultural-based projects should be undertaken. Efforts should include work with local farmers, partners and other stakeholders.

## 2

### Population Pressures

- In Albay, the growing population puts more stresses on the environment and public services. Continue to closely monitor the growth of the population and allocate resources to keep up the shifting demands. Ensure environmental impacts are minimized through proper planning and oversight throughout society, from expansion projects to natural resource management.
- Albay is also ranked 9th in the Philippines for informal settlements. Investments in housing and resource access will reduce vulnerabilities. Work with local stakeholders and diverse partners to ensure public services and assistance keeps up with population growth.

## 3

### Emergency Services Capacity

- Population pressures in Albay are increasing the need to expand emergency service capacity. As the population grows, there is an increased demand on the already limited resources and space in evacuation shelters. Increase the number of evacuation centers, 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

## Economic Capacity

- Although Albay ranked relatively high compared to the rest of the Philippines in economic capacity, population pressures and environmental stresses can undermine financial stability in the province. Continue to encourage programs that diversify the economy in Albay to generate public revenue and create new job opportunities. Pursue policies that balance inflation rates and create equal opportunities for employment.

**Better solutions.  
Fewer disasters.**

# Safer world.

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