



**PALAU**

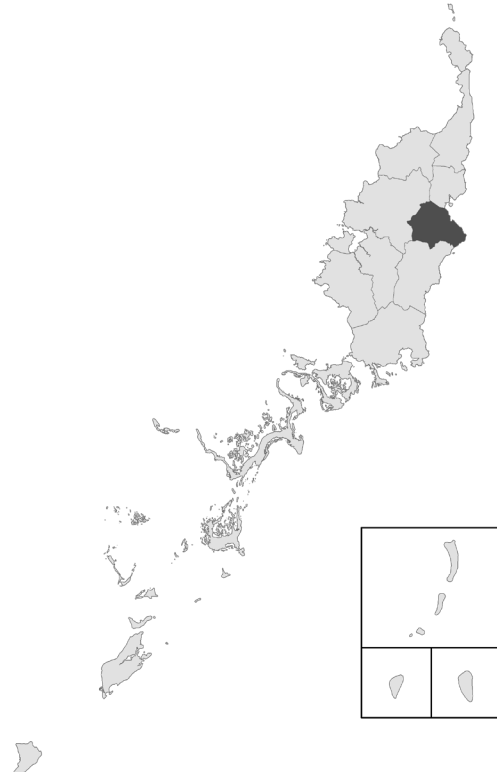
# **MELEKEOK**

**NDPBA SUBNATIONAL PROFILE**

# PALAU MELEKEOK

**CAPITAL: MELEKEOK**

Area: 10 mi<sup>2</sup>



## RISK AND VULNERABILITY COMPONENT SCORE



**MULTI-HAZARD RISK (MHR) - Very Low**  
Score: 0.381 • Rank: 13/16



**RESILIENCE (R) - Moderate**  
Score: 0.567 • Rank: 8/16



**MULTI-HAZARD EXPOSURE (MHE) - Very Low**  
Score: 0.278 • Rank: 14/16



**VULNERABILITY (V) - High**  
Score: 0.666 • Rank: 6/16



**COPING CAPACITY (CC) - High**  
Score: 0.800 • Rank: 4/16



Population (2020 Census)  
**318**



Poverty  
**32.2%**



No High School Diploma  
**19.2%**



Households without Internet  
**57.5%**



Temporary Structures as Housing  
**6.32%**



# MULTI-HAZARD EXPOSURE (MHE)

RANK: 14 / 16 STATES

SCORE: 0.278



MHE  
0.278

Raw MHE  
0.333

Relative MHE  
0.222

## ESTIMATED EXPOSURE TO EACH HAZARD:



Sea Level Rise

**42.8%**

136

-

Critical Infrastructure Exposed:  
28.8%



Tsunami

**10.1%**

32

-

Critical Infrastructure Exposed:  
3.0%



Storm Surge + Sea Level Rise

**46.0%**

146

-

Critical Infrastructure Exposed:  
28.8%



Earthquake

**0.0%**

0

\$0

Critical Infrastructure Exposed:  
0.0%



Storm Surge

**10.5%**

33

-

Critical Infrastructure Exposed:  
3.0%



Landslide

**1.3%**

4

-

Critical Infrastructure Exposed:  
0.0%



Tropical Cyclone Wind

**100%**

318

\$15.5 Million

Critical Infrastructure Exposed:  
100%



## VULNERABILITY (V)

**RANK: 6 / 16 STATES ASSESSED**  
**SCORE: 0.666**

Vulnerability measures the conditions and processes that increase susceptibility of communities and systems to the damaging effects of hazards. Vulnerability in Melekeok is primarily driven by Socioeconomic Status and Housing Type and Transportation. The bar charts indicate the socioeconomic themes contributing to the overall Vulnerability score.



### Housing Characteristics

0 1 **SCORE: 0.133** **RANK: 14/16 STATES ASSESSED**

<b>8.5%</b> Households Using Biomass for Fuel	<b>1.1%</b> Households without Electricity	<b>11.7%</b> Households without Access to Public Water
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### Communication Assets

0 1 **SCORE: 0.133** **RANK: 14/16 STATES ASSESSED**

<b>10.6%</b> Households without Cell Phone	<b>55.3%</b> Households without Computer	<b>57.5%</b> Households without Internet	<b>14.9%</b> Households without Phone	<b>18.1%</b> Households without TV
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### Household Composition and Disability

0 1 **SCORE: 0.600** **RANK: 7/16 STATES ASSESSED**

<b>17.3%</b> Percent Disabled	<b>21.4%</b> Percent Under 18 Years of Age	<b>22.3%</b> Households with Single Mother	<b>0.0%</b> Percent Over 65 Years of Age
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### Socioeconomic Status

0 1 **SCORE: 0.800** **RANK: 4/16 STATES ASSESSED**

<b>\$10,002.58</b> Average Income (USD)	<b>19.2%</b> Percent No High School Diploma	<b>5.8%</b> Unemployment Rate	<b>32.2%</b> Population Earning Less than \$5.50 per day
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### Housing Type and Transportation

0 1 **SCORE: 0.636** **RANK: 4/16 STATES ASSESSED**

<b>3.4</b> Median Number of Persons per Housing Unit	<b>14.9%</b> Percent of Households with No Vehicle	<b>1.6%</b> Population Living in Group Quarters	<b>1.6%</b> Institutionalized Population	<b>6.3%</b> Households Living in Temporary Structures	<b>0.0%</b> Housing Structures with 10 or more Units
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## COPING CAPACITY (CC)

RANK: 4 / 16 STATES ASSESSED

SCORE: 0.800

Coping Capacity measures the systems, means, and abilities of people and societies to absorb and respond to disruptions in normal function. The bar charts below indicate the socioeconomic themes contributing to the overall Coping Capacity score.



### Emergency Services Capacity

0  1 SCORE: 0.934 RANK: 2/16 STATES ASSESSED

**1.09**

Average  
Distance to  
Fire Station (mi)

**0.43**

Average  
Distance to  
Shelter (mi)

**0.96**

Average  
Distance to  
Health Facility  
(mi)



### Transportation Capacity

0  1 SCORE: 0.467 RANK: 9/16 STATES ASSESSED

**1.34**

Road Density  
(mi per square  
mi)

**9**

Maximum  
Distance to  
Koror (mi)

**0.88**

Average  
Distance to  
Port (mi)



## RESILIENCE (R)

**RANK: 8 / 16 STATES ASSESSED**

**SCORE: 0.567**

Components of resilience are independent of natural hazard exposure. This type of measure helps rank states based on their likelihood of experiencing a disruption outside of a naturally occurring event.

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



**Socioeconomic Status**



**Housing Type and Transportation**



**Household Composition and Disability**



**Transportation Capacity**

## KEY FACTORS INFLUENCING RESILIENCE



### Socioeconomic Status

Populations experiencing socioeconomic constraints lack the necessary financial resources to adequately prepare for or recover from a natural disaster. The unemployed, low-income households, and those receiving public assistance have little to no financial buffers that would facilitate preparedness actions such as stocking extra food and supplies, support recovery actions such as repairing homes after a disaster, or fund mitigation actions that would protect their homes and property from future hazard impacts.



### Housing Type and Transportation

Populations living in temporary housing are more susceptible to damage and losses resulting from hazard impacts. In addition, higher density living situations such as multi-unit housing, populations residing in group living quarters or crowded housing increase susceptibility to negative consequences as a result of hazard exposure. Populations with limited vehicle access, and especially those living in isolated areas, are more likely to experience mobility challenges during an evacuation, and have difficulty accessing needed supplies and services before, during and after a hazard event.



### Household Composition and Disability

Single-parent households and those with dependent populations, such as the very young, elderly and the disabled may have more difficulty with mobilizing and evacuating in a timely fashion. The deaf or hard of hearing, for example, may not receive audible hazard alerts. Once evacuated, disabled populations and those with special needs will require additional services and care considerations in the response aftermath and during recovery. Ensure that plans and strategies include special accommodations for these populations.



### Transportation Capacity

Denser and more diverse transportation networks provide more options for bringing outside resources into an impacted area and increase the ability of response stakeholders to access affected populations. Improved transportation capacity supports the ability to distribute resources before, during, and after a disaster.



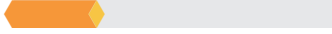
## HAZARD-SPECIFIC RISK (HSR)



**Sea Level Rise**

**RANK: 7 / 16 STATES ASSESSED**

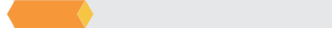
**SCORE: 0.245**



**Sea Level Rise + Storm Surge**

**RANK: 9 / 16 STATES ASSESSED**

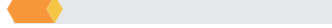
**SCORE: 0.203**



**Storm Surge**

**RANK: 11 / 16 STATES ASSESSED**

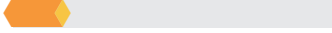
**SCORE: 0.114**



**Tropical Cyclone Wind**

**RANK: 6 / 16 STATES ASSESSED**

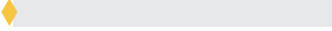
**SCORE: 0.149**



**Earthquake**

**RANK: 6 / 16 STATES ASSESSED**

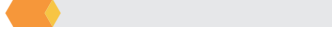
**SCORE: 0.000**



**Tsunami**

**RANK: 11 / 16 STATES ASSESSED**

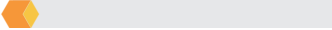
**SCORE: 0.114**



**Landslide**

**RANK: 10 / 16 STATES ASSESSED**

**SCORE: 0.062**



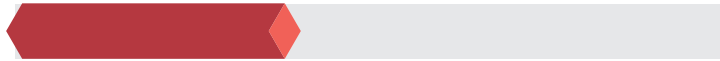




## MULTI-HAZARD RISK (MHR)

**13 / 16**

RANK WITHIN STATES  
Score: 0.381



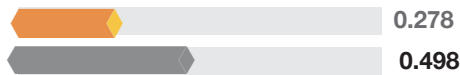
Melekeok's score and ranking are due to Very Low Multi-hazard Exposure combined with High Vulnerability and High Coping Capacity scores.

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

**STATES SCORE**  
**COUNTRY SCORE**



### Multi-Hazard Exposure



### Vulnerability



### Coping Capacity



**Better solutions.  
Fewer disasters.**

# Safer world.

**1305 N. Holopono Street | P: (808) 891-0525**  
**Suite 2, Kihei, HI 96753 | F: (808) 891-0526**



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**www.pdc.org**



**ndpba.plw@pdc.org**