

# Republic of the Marshall Islands

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# Where is the Marshall Islands?



# Aerial View – Urban Centers



*Figure 1.1 Aerial view of the two islands of Ebeye (left figure) and of the DUD (Delap-Uliga-Djarrit) main population centre of the island of Majuro (right figure).*

# Critical Infrastructure



Photo Courtesy of Pacific RISA



# Drought 2013



# King Tides



March 04, 2014



July 06, 2015



March 09, 2016



# Disaster Risk = Exposure X Vulnerability

- EXPOSURE (natural hazards)
  - Tropical cyclones
  - Droughts
  - Sea-level rise
- Vulnerability / Inability to Cope
  - Low literacy rate among women and children
  - Poor health
  - Poor living standards



# Climate Risks

- Sea Level Rise -→ potentially lead to more severe inundation events
- Increase Sea Surface Temperatures  
→ Frequent and intense storm systems associated with (ENSO)
- Prolonged Droughts – El Nino Southern Oscillation (ENSO)



# Climate Risks

$(\text{Exposure} \times \text{Vulnerability}) \times (\text{Climate Change})$

OR

$(\text{Disaster Risk}) \times (\text{Climate Change})$