

RESILIENCE INDEX™

Assessing the Real-World Impact of Climate Change

The Resilience Index is a comprehensive scorecard that captures a location's physical risk scores as well as a wide range of indicators related to vulnerability and readiness, thus giving a more accurate assessment of the likely impact of climate change.

Search from over 3,000 counties and more than 40,000 zip codes in the United States

Climate Alpha

DATA ANALYSIS

- Alpha Finder
- Scenario Forecaster
- Resilience Index

PORTFOLIO ANALYSIS

- Customer Data Portal
- Single Property Analysis
- Portfolio Overview
- Summary Analysis

Bay County, Florida

Key Data

- Population Density: 174.26 / acre
- Yearly Net Migration: -5045 households
- Median Age: 39.8
- Mean Household Income: \$51,829

Asset Value Summary

- Land Value: \$136,468 / acre
- Residential: \$380,136 / unit
- Office: \$173 / sq ft
- Retail: \$130 / sq ft
- Industrial: \$69 / sq ft
- Agricultural: \$2,631 / acre

View risk, vulnerability and readiness scores under multiple industry-standard scenarios

Choose a scenario to view Resilience Index scores

- Optimistic Scenario (SSP1 RCP3.4)
- Business as Usual Scenario (SSP3 RCP4.5)
- Pessimistic Scenario (SSP5 RCP8.5)

Climate Risks
Medium Risk
In 2040, under the Business as Usual scenario, Bay County would experience High climate related risks compared to other counties.
50 / 100
Find Out

Vulnerability
High Vulnerability
Vulnerability Score measure how ill-prepared a place is towards the geographic climate risk in relation to other counties.
67 / 100
Find Out

Readiness
Low Readiness
The Readiness Index measures how well Bay county is preparing for future climate hazards in relation to other counties.
25 / 100
Find Out

Bay County, Florida

Key Data

Download as PDF



After exploring dashboard from within a client-dedicated microsite, download results as a report for your teams.

RESILIENCE INDEX™

Placing Climate Risk in Real-World Context

Bay County, Florida Climate Risk Index

High Risk



In 2040, under the **Pessimistic** scenario, Bay County would experience **High** climate-related risks compared to other counties. Its highest risk component is **Heat Risk**, followed by **Storm Risk**.

Pessimistic Scenario (SSPs RCP8.5)

Under the Pessimistic Scenario (SSPs RCP8.5), Bay County is projected to experience high climate-related risks by 2040. The highest risk component is Heat Risk, followed by Storm Risk. Other risks include Drought, Flood, and Fire.

Heat

Storm

Drought

Flood

Fire



Climate risk scores cover a location's exposure to hazards (such as floods, droughts, storms, and heatwaves) and their likelihood compared to historical and current levels.

Bay County, Florida Vulnerability Index

High Vulnerability



Vulnerability Score measure how ill-prepared a place is towards the geographic climate risk in relation to other counties.

Bay County has a vulnerability score of **58**. The national average is **63**. As such, it is relatively **better** than most counties nationwide.

A higher vulnerability score indicates higher sensitivity and exposure to climate-related hazards.

Population Density

Coastal Population

Age Structure

Urban Porosity

Infrastructure

Poverty and Ineq



Vulnerability scores measure how exposed the location is to physical risks, covering demographic, economic, and infrastructure factors.

Bay County, Florida Readiness Index

High Readiness



The Readiness Index measures how well Bay County is preparing for future climate hazards in relation to other counties. It considers the adaptive capacity and resilience of the county based on policies, spendings and socio-economic activities.

Credit Score

Healthcare

Crime and Sa

Education

Public Spending

Clean Ener



Readiness scores capture how prepared a location is to manage physical risks induced by climate change based upon the quality of infrastructure, credit rating, healthcare system, fiscal spending, and other key investments.