

Layer Name: Low Income and Disadvantaged Communities in Hawaii (HI_LIDAC_Unified)

Layer Type: Polygon

Geog. Extent: State of Hawaii

Projection/Datum: Universal Trans Mercator, Zone 4 (Meters), NAD 83 HARN

Source: Hawai'i State Climate Change Mitigation and Adaptation Commission (CCMAC)

Description: This layer contains the geospatial data used to identify Low-Income and Disadvantaged Communities (LIDAC) across Hawai'i for the Climate Action Plan (CAP) and LIDAC Benefits Analysis. The analysis combines local vulnerability indices (O'ahu and Kaua'i), statewide ALICE data, statewide social vulnerability indicators (SVI), and Hawaiian Home Lands data at the Census Block Group level. Version Date: 3/19/26

The analysis distinguishes between:

- Non-LIDAC Communities (Value: 0)
- LIDAC communities (baseline level; Value 1)
- Most vulnerable LIDAC communities (higher screening thresholds; Value 2)

Input Datasets:

- ALICE Subcounty Data (United for ALICE, 2025)

Description: CCD, CDP, and ZIP-level data on Poverty and ALICE households.

Use: Identify communities where $\geq 50\%$ (and $\geq 70\%$ for most vulnerable) of households are ALICE + Poverty.

Website: [The State of ALICE in Hawaii](#)

- CZMP Social Vulnerability Indicators for Coastal Hazards (2020, Block Group)

Description: Block group-level social, demographic, and economic indicators relevant to sea level rise and coastal hazards.

Use: Identify vulnerable communities using indicator counts (>6 for baseline LIDAC; ≥ 8 for most vulnerable).

Website: [Download CZM Social Vulnerability Indicators](#)

- O'ahu Social Vulnerability Index

Description: Tract-level vulnerability index from the City and County of Honolulu (Very Low to Very High).

Use: High and Very High tracts converted to block groups and used as the primary vulnerability source for O'ahu.

Website: [City and County of Honolulu Social Vulnerability Index](#)

- Kaua'i CAP Vulnerability & Equity Analysis

Description: Local vulnerability assessment used to identify High and Most Vulnerable communities.

Use: High and Most Vulnerable tracts converted to block groups and used as the primary vulnerability source for Kaua'i.

Website: [Kauai Social Vulnerability Index Web Map](#)

- Census Block Groups (2020) & Designated Places (CDPs)

Description: Statewide Census boundaries used as the common spatial unit.

Output Layer:

The final statewide LIDAC layer at the Census Block Group level. Includes Unified LIDAC field with three levels of LIDAC designation:

- * 2 = Highest vulnerability
- * 1 = Baseline LIDAC Communities
- * 0 = Non LIDAC

Method Summary:

1. Established Census Block Groups (2020) as the common spatial unit.
2. Applied local vulnerability indices for O'ahu and Kaua'i as primary sources for both counties.
3. Applied ALICE and statewide SVI as supplemental screening for O'ahu and Kaua'i but primary source for other counties.
4. Defined baseline LIDAC (1) using ALICE $\geq 50\%$ or SVI > 6 .
5. Defined most vulnerable LIDAC (2) using: Very High local vulnerability, SVI ≥ 8 , ALICE $\geq 70\%$, or Hawaiian Home Lands.
6. Created a categorical unified_LIDAC field by taking the highest LIDAC ranking identified across the three datasets (Statewide, O'ahu, Kaua'i).
7. Assigned CDP names to block groups for community-level summaries.

Notes and Limitations:

- LIDAC classification is a screening tool and does not replace community engagement or local knowledge.
- Vulnerability varies within CDPs; block groups remain the analytical unit.
- The most vulnerable designation supports prioritization and does not imply exclusion of other LIDAC communities.
- The unified lidac may differ from the statewide lidac for some of the Oahu and Kauai fields because their localized vulnerability analyses (SVI) was incorporated into the unified lidac score. For example, if a community is highly vulnerable on the Oahu or Kauai SVI but low on the statewide lidac, the unified lidac would show a higher score (different values).

Attributes and Contact Information found on next page

Attributes:

Administrative & Ranking Fields:

- bg_geoid: 12-character Block Group ID
- county: County name
- cdp_name: Census Designated Place (community name)
- unified_LIDAC: Unified Final LIDAC (Max rank across all sources)
- lidac_statewide: Statewide rank based on ALICE & SVI
- lidac_oahu: O'ahu LIDAC Rank (0, 1, 2)
- lidac_kauai: Kaua'i LIDAC Rank (0, 1, 2)

County-Specific Vulnerability Scores:

- oahu_sovi_rank: O'ahu Social Vulnerability Rank (1-5)
- oahu_sovi_pct: O'ahu Raw SVI Z-Score/Percentile
- kauai_svi_pct: Kaua'i Local Equity Percentile

Economic & Household Indicators:

- hh_total: Total Count of Households
- hh_poverty: Households below Federal Poverty Level
- hh_alice: ALICE Households (Above Poverty; Below ALICE)
- hh_above_alice: Financially stable households
- hh_poverty+alice: Combined ALICE and Poverty households
- Income_Def: Aggregate income deficit (\$) in past 12 months

Vulnerability Drivers/Indicators (Statewide SVI):

Theme 1: Socioeconomic Status

- Education: % Pop. (25+) with no high-school diploma
- Poverty: % Pop. for whom poverty status is determined
- Income_Def: Aggregate income deficit (dollars)
- Industry_A: % Employed in nature-based or service industries

Theme 2: Household Composition & Disability

- Over_65: % Population over the age of 65
- Under_5: % Population under the age of 5
- Single_Par: % Single Parent Households with children <18
- Household_1: % Population of female householders
- Disability: % Population with a disability

Theme 3: Minority Status & Language

- Race: % Native Hawaiian or Pacific Islander
- Hispanic_L: % Population identifying as Hispanic or Latino
- Limited_En: % Households that speak "limited English"

Theme 4: Housing & Transportation

- Vehicles: % Households with no access to a vehicle
- Household: % No/limited internet or computer access
- Built_befo: % Households built before 1970
- Housing_Te: % Households that are renter-occupied
- svi_ind_count: Number of SVI indicators met

Contact: Hawaii Statewide GIS Program
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OR: Hawai'i State Climate Change Mitigation and Adaptation Commission (CCMAC)
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Website: [Hawaii Climate Change Portal](#)