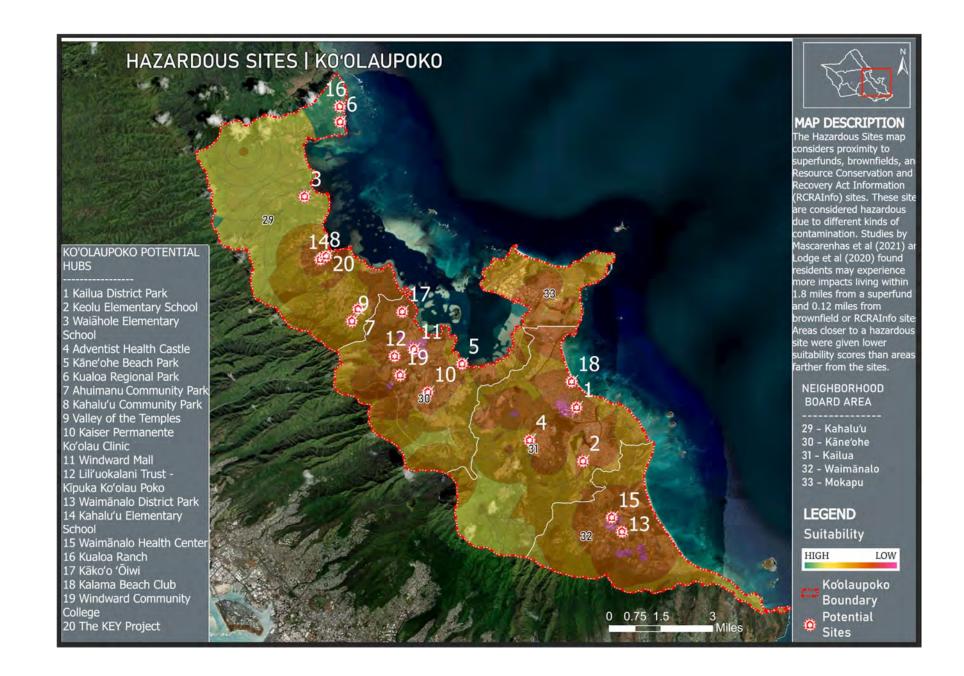
APPENDIX E. COMPLETED SUITABILITY MAPS

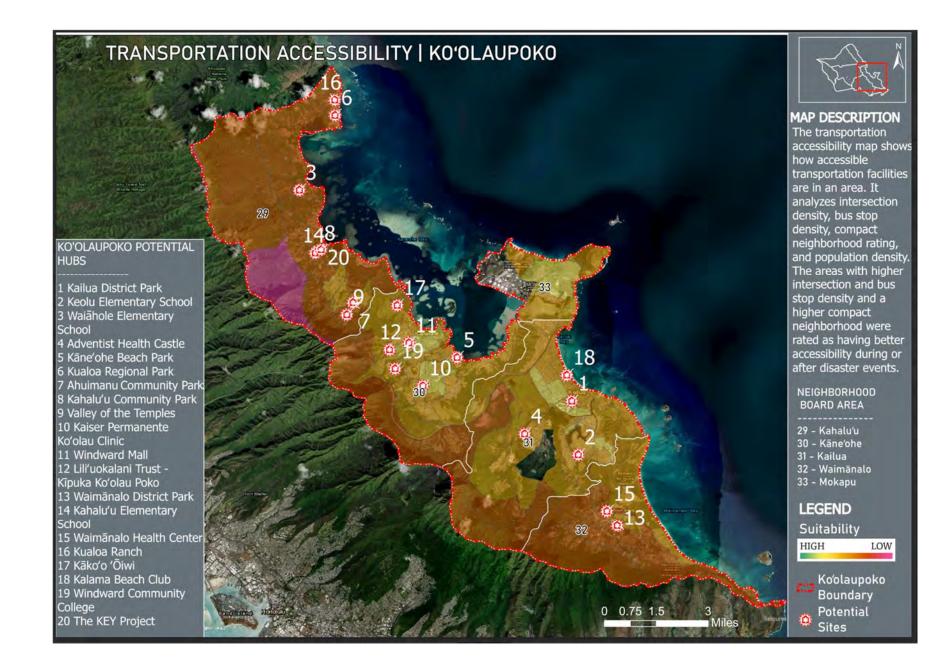


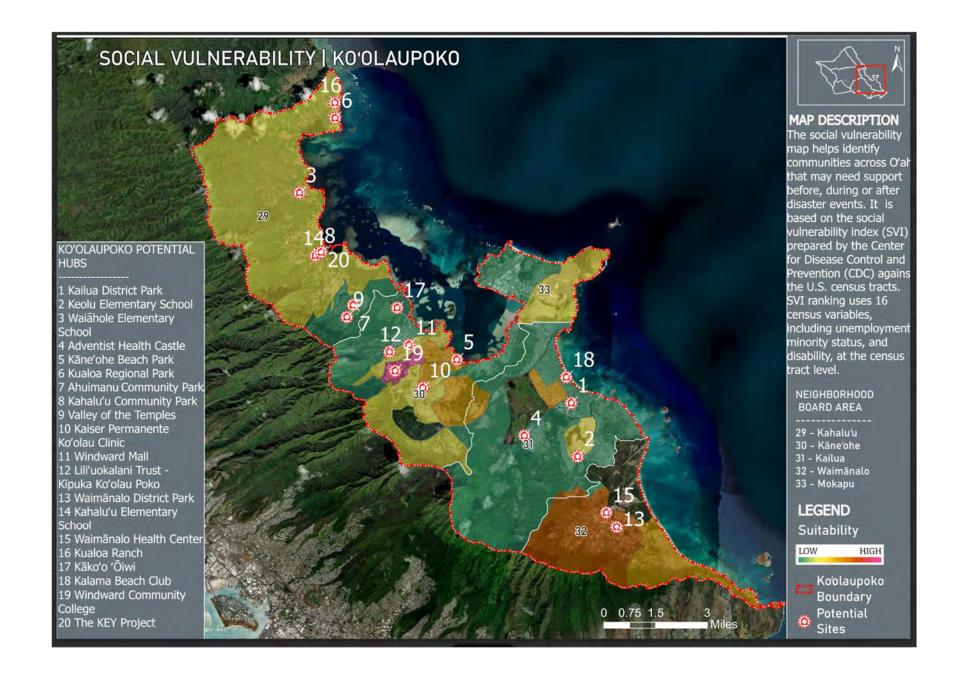


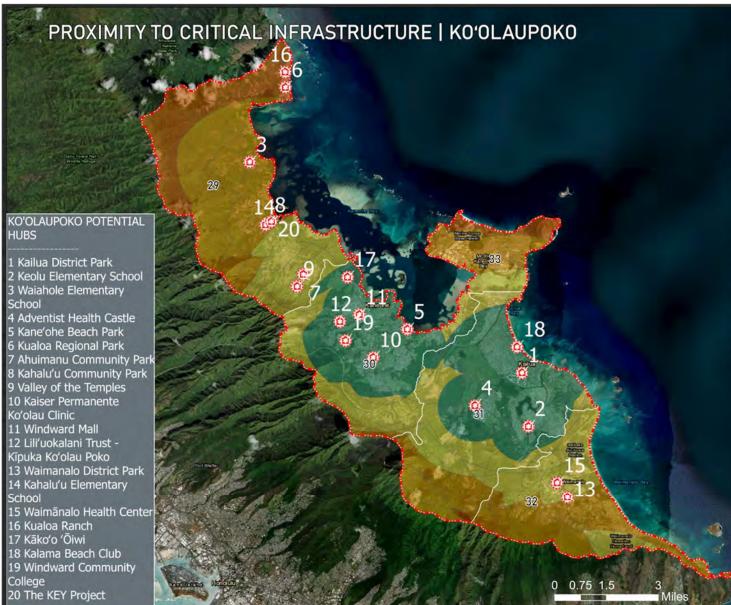
Ko'olaupoko







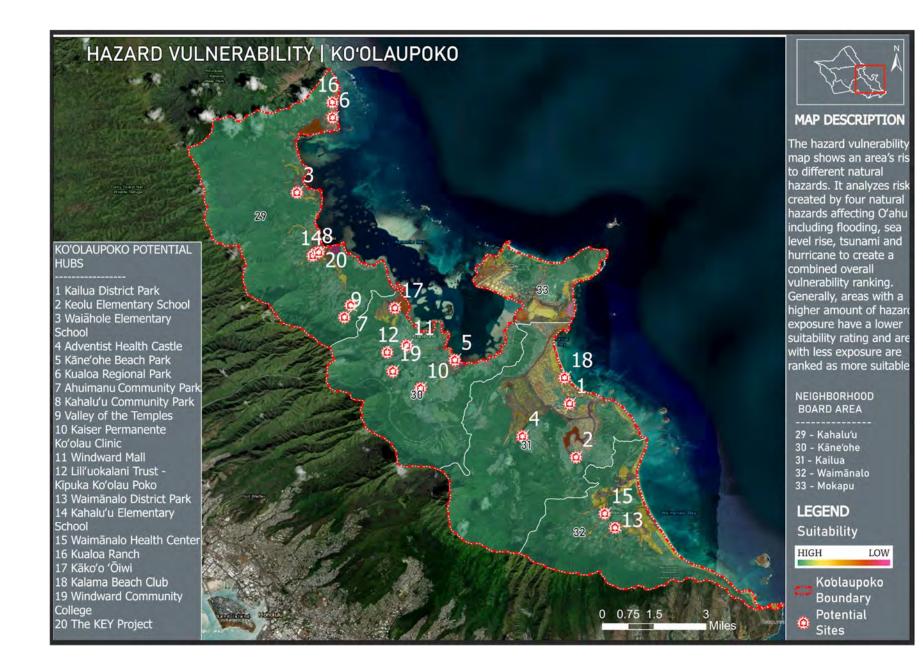


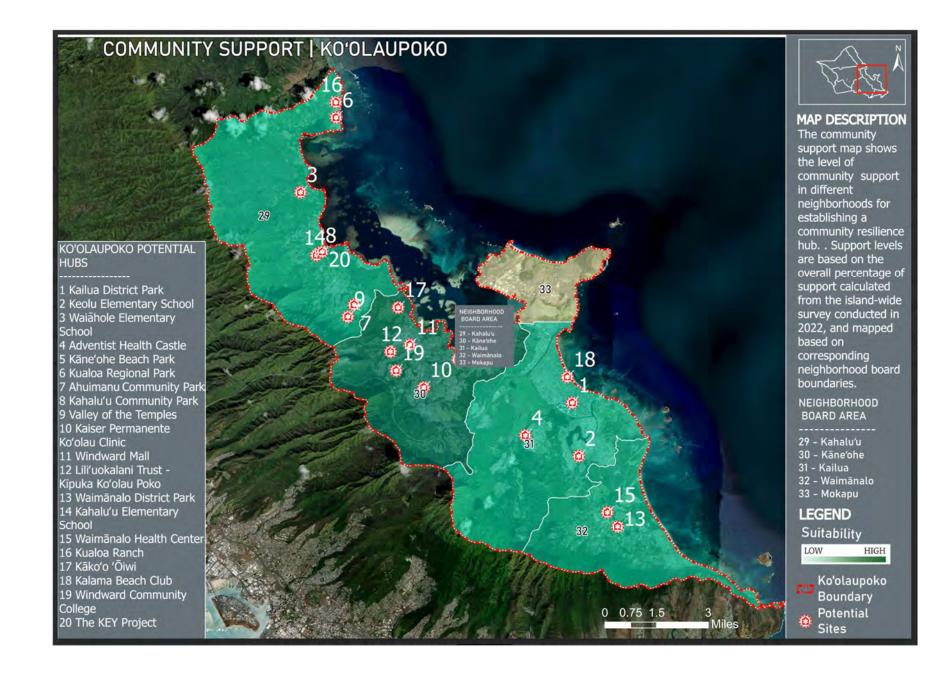




MAP DESCRIPTION The proximity to critical infrastructure map considers four critical infrastructure components required for a community resilience hub including emergency medical facilities, emergency evacuation shelter, disaster respons facilities and food production center. The map shows the composi result of the suitability based on how far or clos an area is located to these infrastructure facilities.

NEIGHBORHOOD **BOARD AREA** 29 - Kahalu'u 30 - Kāne'ohe 31 - Kailua 32 - Waimānalo 33 - Mokapu LEGEND Suitability HIGH LOW Koʻolaupoko Boundary Potential ٢ Sites





Ko'olauloa

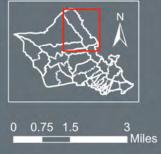
Proposed Site on
 Hau'ula Homestead Road
 Kahuku Elementary
 School
 Kahuku Medical Center
 Ko'olauloa Health Center
 Kahuku Public and
 School Library
 Hau'ula Community
 Center
 Asia Pacific International
 School
 Polynesian Cultural
 Center

NEIGHBORHOOD BOARD AREA

28 - KO'OLAULOA

LEGEND

Ko'olauloa Boundary





1 - Proposed Site on Hau'ula Homestead Road

2 - Kahuku Elementary School

3 - Kahuku Medical Center

4 - Ko'olauloa Health Center 5 - Kahuku Public and School Library

6 - Hau'ula Community Center 7 - Asia Pacific International School

8 - Polynesian Cultural Center

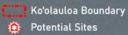
NEIGHBORHOOD BOARD AREA

28 - KO'OLAULOA

LEGEND

Suitability

HIGH LOW





HAZARDOUS SITES | KO'OLAULOA

28

MAP DESCRIPTION

The Hazardous Sites map considers proximity to superfunds, brownfields, and Resource Conservation and Recovery Act Information (RCRAInfo) sites. These sites are considered hazardous due to different kinds of contamination. Studies by Mascarenhas et al (2021) and Lodge et al (2020) found residents may experience more impacts living within 1.8 miles from a superfund and 0.12 miles from brownfield or RCRAInfo sites. Areas closer to a hazardous site were given lower suitability scores than areas farther from the sites.

Earthstar Geographics

1 - Proposed Site on Hau'ula Homestead Road

- 2 Kahuku Elementary School
- 3 Kahuku Medical Center
- 4 Ko'olauloa Health Center 5 - Kahuku Public and School
- Library 6 - Hau'ula Community Center 7 - Asia Pacific International

School

8 - Polynesian Cultural Center

NEIGHBORHOOD BOARD

28 - KO'OLAULOA

LEGEND

Suitability

LOW HIGH

Ko'olauloa Boundary



SOCIAL VULNERABILITY | KO'OLAULOA

28

MAP DESCRIPTION

The social vulnerability map helps identify communities across O'ahu that may need support before, during or after disaster events. It is based on the social vulnerability index (SVI) prepared by the Center for Disease Control and Prevention (CDC) against the U.S. census tracts. SVI ranking uses 16 census variables, including unemployment, minority status, and disability, at the census tract level.

Resource Mapping Hawaii, Maxan

1 - Proposed Site on Hau'ula Homestead Road

- 2 Kahuku Elementary School
- 3 Kahuku Medical Center
- 4 Ko'olauloa Health Center 5 - Kahuku Public and School Library

6 - Hau'ula Community Center 7 - Asia Pacific International School

8 - Polynesian Cultural Center

NEIGHBORHOOD BOARD AREA

28 - KO'OLAULOA

LEGEND

Suitability

HIGH LOW

Ko'olauloa Boundary



TRANSPORTATION ACCESSIBILITY | KO'OLAULOA

MAP DESCRIPTION

The transportation accessibility map shows how accessible transportation facilities are in an area. It analyzes intersection density, bus stop density, compact neighborhood rating, and population density. The areas with higher intersection and bus stop density and a higher compact neighborhood were rated as having better accessibility during or after disaster events.

Earthster Geographics

 Proposed Site on Hau'ula Homestead Road
 Kahuku Elementary School
 Kahuku Medical Center
 Ko'olauloa Health Center
 Kahuku Public and School
 Library
 Hau'ula Community
 Center
 Asia Pacific International School
 Polynesian Cultural Center

NEIGHBORHOOD BOARD

28 - KO'OLAULOA

LEGEND

Suitability

HIGH LOW

Ko'olauloa Boundary



HAZARD VULNERABILITY | KO'OLAULOA

MAP DESCRIPTION

The hazard vulnerability map shows an area's risk to different natural hazards. It analyzes risk created by four natural hazards affecting O'ahu including flooding, sea level rise, tsunami and hurricane to create a combined overall vulnerability ranking. Generally, areas with a higher amount of hazard exposure have a lower suitability rating and areas with less exposure are ranked as more suitable.

1 - Proposed Site on Hau'ula Homestead Road

- 2 Kahuku Elementary School
- 3 Kahuku Medical Center
- 4 Ko'olauloa Health Center5 Kahuku Public and SchoolLibrary
- 6 Hau'ula Community Center 7 - Asia Pacific International School
- 8 Polynesian Cultural Center

NEIGHBORHOOD BOARD

28 - KO'OLAULOA

LEGEND

Suitability



Ko'olauloa Boundary



PROXIMITY TO CRITICAL INFRASTRUCTURE | KO'OLAULOA

MAP DESCRIPTION

The proximity to critical infrastructure map considers four critical infrastructure components required for a community resilience hub including emergency medical facilities, emergency evacuation shelter, disaster response facilities and food production center. The map shows the composite result of the suitability based on how far or close an area is located to these infrastructure facilities.

Resource Mapping Hawaii, Maxar

1 - Proposed Site on Hau'ula Homestead Road

2 - Kahuku Elementary School

3 - Kahuku Medical Center

4 - Ko'olauloa Health Center 5 - Kahuku Public and School Library

6 - Hau'ula Community Center 7 - Asia Pacific International School

8 - Polynesian Cultural Center

NEIGHBORHOOD BOARD AREA

28 - KO'OLAULOA

LEGEND

Suitability

LOW HIGH

Ko'olauloa Boundary



0.75 1.5 3 Miles

COMMUNITY SUPPORT | KO'OLAULOA

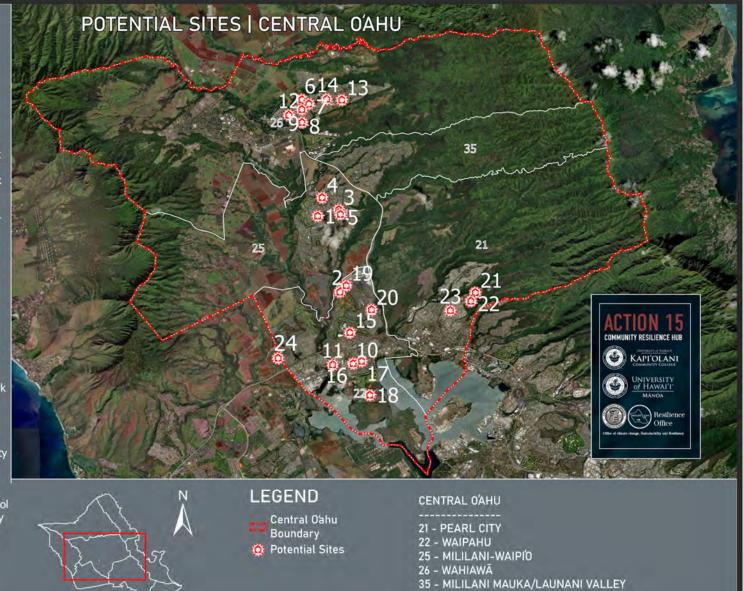
MAP DESCRIPTION

The community support map shows the level of community support in different neighborhoods for establishing a community resilience hub. . Support levels are based on the overall percentage of support calculated from the island-wide survey conducted in 2022, and mapped based on corresponding neighborhood board boundaries.

Earthstar Geographics

Central O'ahu

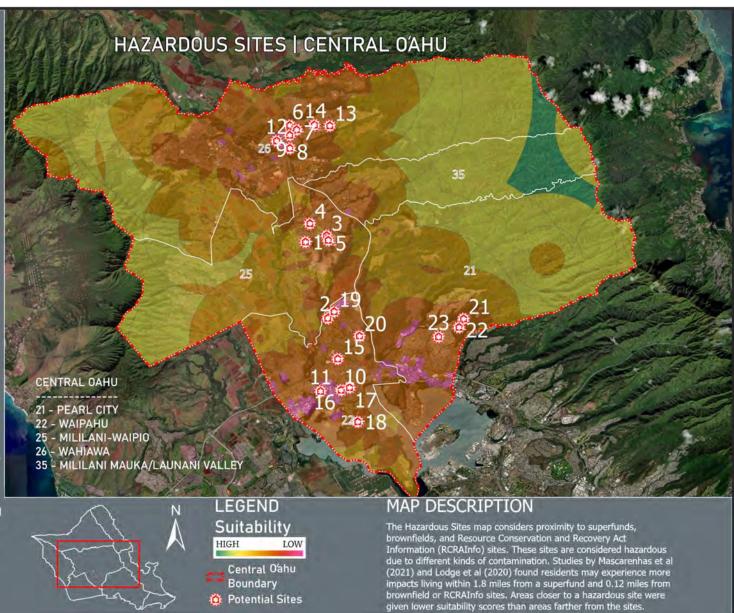
1 - Mililani Town Association Recreation Centers 2 - Patsy Mink Central O'ahu Regional Park 3 - Mililani High School 4 - Mililani Shopping Center 5 - Mililani Public Library 6 - Wahiawā Department of Motor Vehicle 7 - Wahiawā District Park 8 - Wahiawā Freshwater State Recreation Area 9 - Wahiawā Civic Center 10 - Waipahu Public Library 11 - Hawai'i Plantation Village 12 - Wahiawā Health 13 - St. Stephen's Episcopal Church 14 - Wahiawā United Methodist Church 15 - Waikele Center 16 - Waipahu Public Library 17 - Waipahu District Park 18 - Waipi'o Soccer Complex 19 - Hawai'i Okinawa Center 20 - Crestview Community Park 21 - Hawai'i State Department of Health 22 - Pearl City High School 23 - Momilani Community Center 24 - Hawai'i Agricultural Research Center 0 1 2 4 Miles





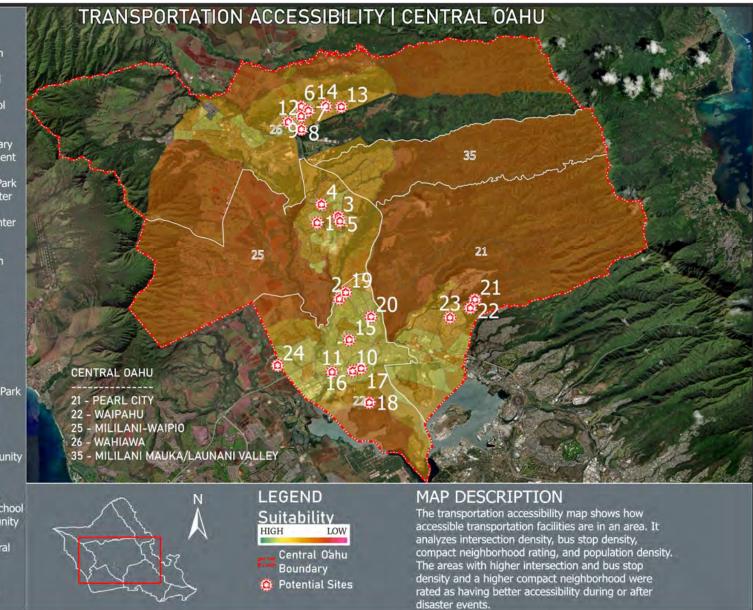
1 - Mililani Town Association Recreation Centers 2 - Patsy Mink Central O'ahu Regional Park 3 - Mililani High School 4 - Mililani Shopping Center 5 - Mililani Public Library 6 - Wahiawa Department of Motor Vehicle 7 - Wahiawā District Park 8 - Wahiawā Freshwater State Recreation Area 9 - Wahiawā Civic Center 10 - Waipahu Public Library 11 - Hawai'i Plantation Village 12 - Wahiawā Health 13 - St. Stephen's Episcopal Church 14 - Wahiawā United Methodist Church 15 - Waikele Center 16 - Waipahu Public Library 17 - Waipahu District Park 18 - Waipi'o Soccer Complex 19 - Hawai'i Okinawa Center 20 - Crestview Community Park 21 - Hawai'i State Department of Health 22 - Pearl City High School 23 - Momilani Community Center 24 - Hawai'i Agricultural

012 4 Miles



Research Center



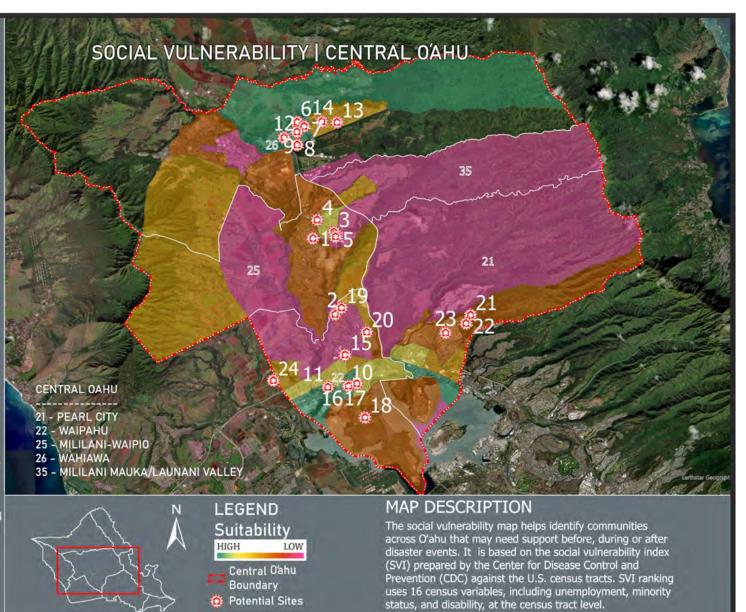


Note: The dataset used for this map lacked information for some areas within the planning area. As a result, there is no corresponding suitability ranking for these areas.

1 - Mililani Town Association Recreation Centers 2 - Patsy Mink Central O'ahu Regional Park 3 - Mililani High School 4 - Mililani Shopping Center 5 - Mililani Public Library 6 - Wahiawa Department of Motor Vehicle 7 - Wahiawā District Park 8 - Wahiawā Freshwater State Recreation Area 9 - Wahiawā Civic Center 10 - Waipahu Public Library 11 - Hawai'i Plantation Village 12 - Wahiawā Health 13 - St. Stephen's Episcopal Church 14 - Wahiawā United Methodist Church 15 - Waikele Center 16 - Waipahu Public Library 17 - Waipahu District Park 18 - Waipi'o Soccer Complex 19 - Hawai'i Okinawa Center 20 - Crestview Community Park 21 - Hawai'i State Department of Health 22 - Pearl City High School 23 - Momilani Community Center 24 - Hawai'i Agricultural

Research Center 0 1 2 4

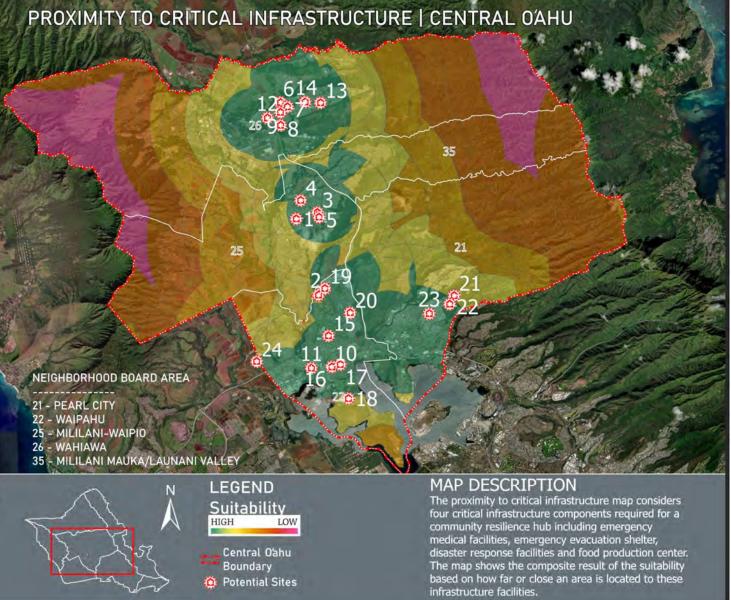
Miles



1 - Mililani Town Association Recreation Centers 2 - Patsy Mink Central O'ahu Regional Park 3 - Mililani High School 4 - Mililani Shopping Center 5 - Mililani Public Library 6 - Wahiawa Department of Motor Vehicle 7 - Wahiawā District Park 8 - Wahiawā Freshwater State Recreation Area 9 - Wahiawā Civic Center 10 - Waipahu Public Library 11 - Hawai'i Plantation Village 12 - Wahiawā Health 13 - St. Stephen's Episcopal Church 14 - Wahiawā United Methodist Church 15 - Waikele Center 16 - Waipahu Public Library 17 - Waipahu District Park 18 - Waipi'o Soccer Complex 19 - Hawai'i Okinawa Center 20 - Crestview Community Park 21 - Hawai'i State Department of Health 22 - Pearl City High School 23 - Momilani Community Center 24 - Hawai'i Agricultural Research Center

012 4

Miles

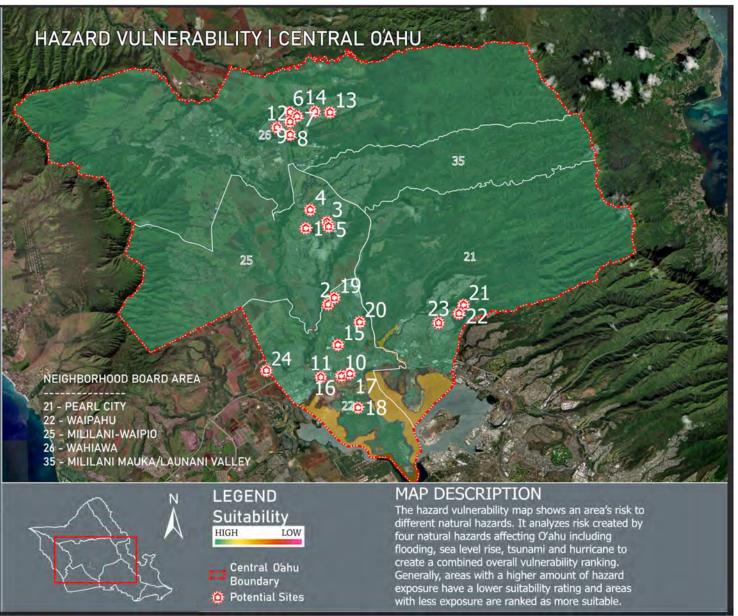


1 - Mililani Town Association Recreation Centers 2 - Patsy Mink Central O'ahu Regional Park 3 - Mililani High School 4 - Mililani Shopping Center 5 - Mililani Public Library 6 - Wahiawa Department of Motor Vehicle 7 - Wahiawā District Park 8 - Wahiawā Freshwater State Recreation Area 9 - Wahiawā Civic Center 10 - Waipahu Public Library 11 - Hawai'i Plantation Village 12 - Wahiawā Health 13 - St. Stephen's Episcopal Church 14 - Wahiawā United Methodist Church 15 - Waikele Center 16 - Waipahu Public Library 17 - Waipahu District Park 18 - Waipi'o Soccer Complex 19 - Hawai'i Okinawa Center 20 - Crestview Community Park 21 - Hawai'i State Department of Health 22 - Pearl City High School 23 - Momilani Community Center 24 - Hawai'i Agricultural Research Center

012 4

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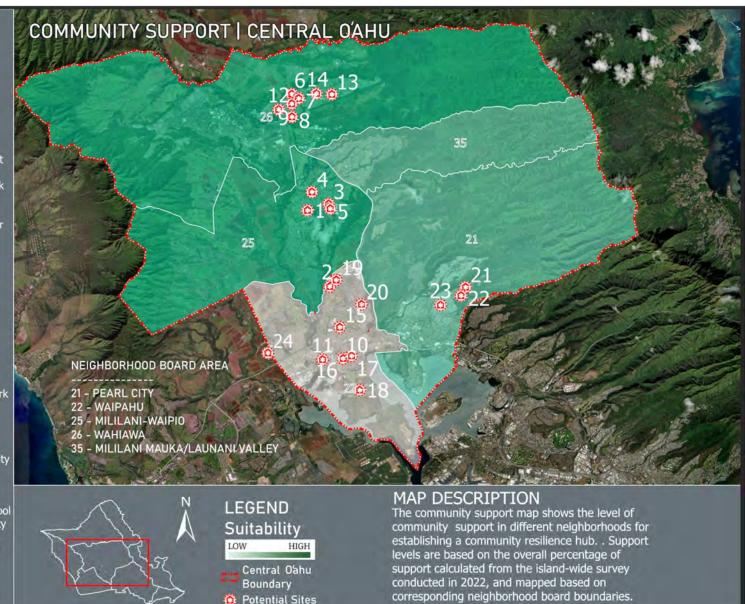
Miles



1 - Mililani Town Association Recreation Centers 2 - Patsy Mink Central O'ahu Regional Park 3 - Mililani High School 4 - Mililani Shopping Center 5 - Mililani Public Library 6 - Wahiawa Department of Motor Vehicle 7 - Wahiawā District Park 8 - Wahiawā Freshwater State Recreation Area 9 - Wahiawā Civic Center 10 - Waipahu Public Library 11 - Hawai'i Plantation Village 12 - Wahiawā Health 13 - St. Stephen's Episcopal Church 14 - Wahiawā United Methodist Church 15 - Waikele Center 16 - Waipahu Public Library 17 - Waipahu District Park 18 - Waipi'o Soccer Complex 19 - Hawai'i Okinawa Center 20 - Crestview Community Park 21 - Hawai'i State Department of Health 22 - Pearl City High School 23 - Momilani Community Center

24 - Hawai'i Agricultural Research Center

0 1 2 4 Miles



East Honolulu



East Honolulu Boundary Potential Sites

0 0.38 0.75

NEIGHBORHOOD BOARD AREA

1 - HAWAI'I KAI

2 - KULIOUOU-

KALANI IKI

1.5

Miles

EAST HONOLULU POTENTIAL HUBS

- 1 'Āina Haina Public Library
- 2 Wailupe Valley Neighborhood Park
- 3 'Āina Haina Community Park
- 4 Former Wailupe Elementary School 15 Hawaii Kai Retirement Center

KALANI IKI site 3 - WAIALAE KĀHALA 5 - Wai'alae Iki Park

- 6 Kamilo'iki Elementary School
- 7 Kamilo'iki Community Park
- 8 Kalama Valley Center
- 9 Kaiser High School

- 10 Koko Head District Park
- 11 Hawai'i Kai Public Library
- 12 Kaiser Permanente Clinic
- 13 Niu Valley Middle
- 14 Wailupe Valley Neighborhood Park
- 16 Lunalilo Home

- 19 Winners' Camp
- 20 Koko Head Botanical Gardens

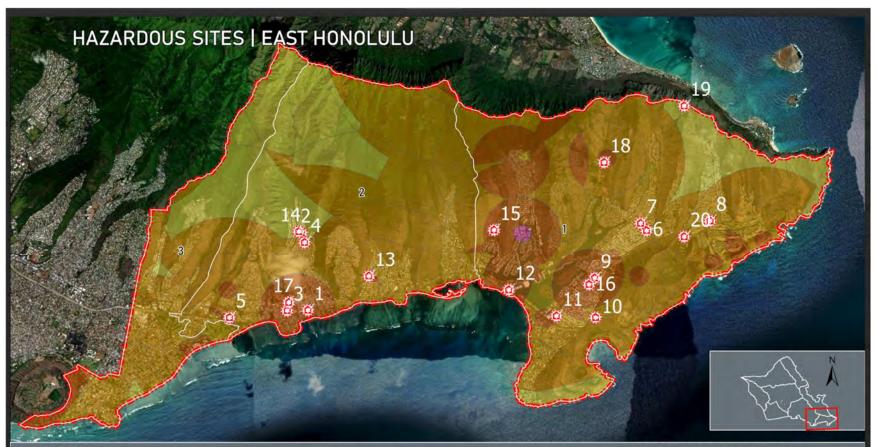
The community support map shows the level

of community support in different neighborhoods for establishing a community resilience hub. Support levels are based on the

 17 - 'Āina Haina Elementary
 overall percentage of support calculated from

 18 - Aloha 'Āina 'O Kamilo Nui Nursery
 the island-wide survey conducted in 2022, and

overall percentage of support calculated from mapped based on corresponding neighborhood board boundaries.



LEGEND Suitability

East

📲 Honolulu

O Potential

Sites

Boundary

HIGH

NEIGHBORHOOD

BOARD AREA LOW 1 - HAWAI'I KAI 2 - KULIOUOU-

KALANI IKI 3 - WAIALAE KAHALA 5 - Wai'alae Iki Park 0 0.3 0.6

1.2

And in case of

EAST HONOLULU POTENTIAL HUBS

- 1 'Āina Haina Public Library
- 2 Wailupe Valley Neighborhood Park
- 3 'Aina Haina Community Park
- 4 Former Wailupe Elementary School
- site
- 6 Kamilo'iki Elementary School
- 7 Kamilo'iki Community Park
- Miles 8 Kalama Valley Center 9 Kaiser High School

- 10 Koko Head District Park
- 11 Hawai'i Kai Public Library
- 12 Kaiser Permanente Clinic
- 13 Niu Valley Middle
- 14 Wailupe Valley Neighborhood Park 15 - Hawai'i Kai Retirement Center
- 16 Lunalilo Home
- 17 'Āina Haina Elementary 18 Aloha 'Āina 'O Kamilo Nui Nursery
- 19 Winners' Camp
- 20 Koko Head Botanical Gardens

MAP DESCRIPTION

The Hazardous Sites map considers proximity to superfunds, brownfields, and Resource Conservation and Recovery Act Information (RCRAInfo) sites. These sites are considered hazardous due to different kinds of contamination. Studies by Mascarenhas et al (2021) and Lodge et al (2020) found residents may experience more impacts living within 1.8 miles from a superfund and 0.12 miles from brownfield or RCRAInfo sites. Areas closer to a hazardous site were given lower suitability scores than areas farther from the sites.



Suitability HIGH LOW East **Honolulu** Boundary Potential ۵ Sites

1 - HAWAI'I KAI

2 - KULIOUOU-

1.2

KALANI IKI

0 0.3 0.6

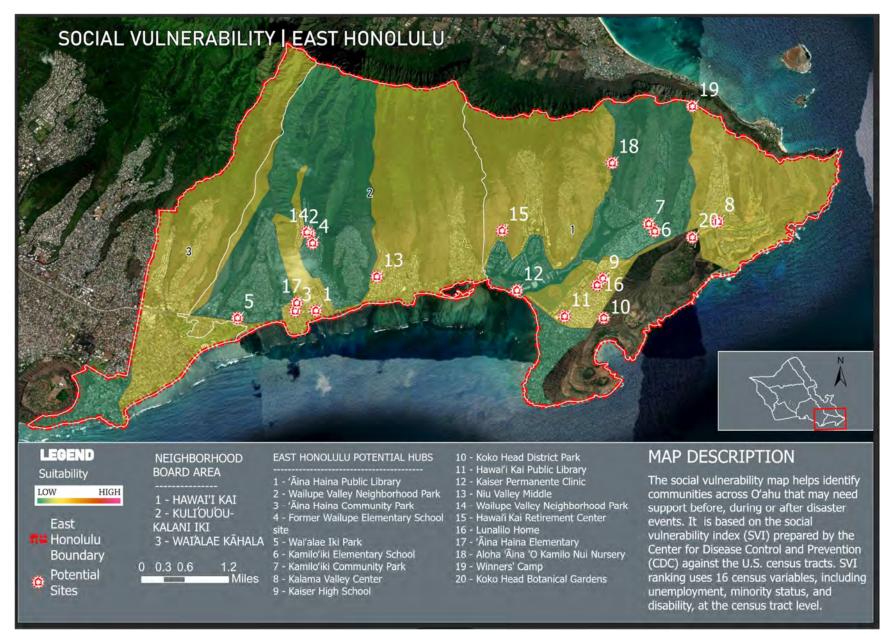
- 1 'Āina Haina Public Library
- 2 Wailupe Valley Neighborhood Park 3 'Āina Haina Community Park
- 4 Former Wailupe Elementary School

3 - WAIALAE KAHALA 5 - Wai'alae Iki Park

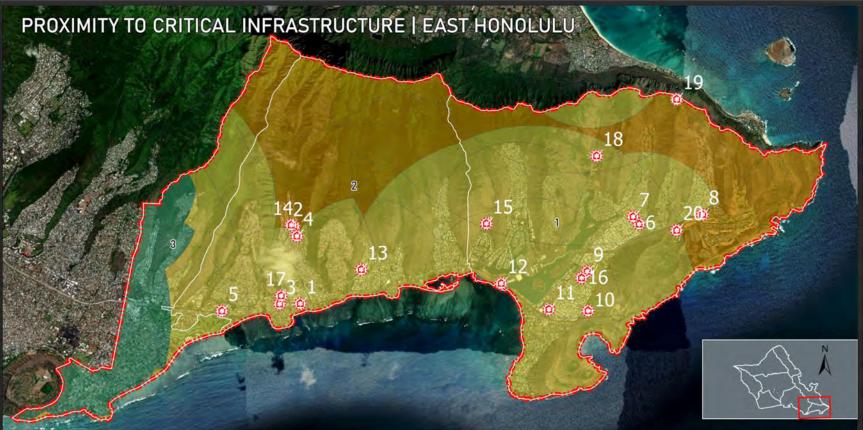
- 6 Kamilo'iki Elementary School
- 7 Kamilo'iki Community Park
- Miles 8 Kalama Valley Center
 - 9 Kaiser High School

- 11 Hawai'i Kai Public Library
- 12 Kaiser Permanente Clinic
- 13 Niu Valley Middle
 14 Wailupe Valley Neighborhood Park
 15 Hawaii Kai Retirement Center
- 16 Lunalilo Home
- 17 'Āina Haina Elementary
- 19 Winners' Camp
- 20 Koko Head Botanical Gardens

The transportation accessibility map shows how accessible transportation facilities are in an area. It analyzes intersection density, bus stop density, compact neighborhood rating, and population density. The areas 18 - Aloha 'Aina 'O Kamilo Nui Nursery with higher intersection and bus stop density and a higher compact neighborhood were rated as having better accessibility during or after disaster events.



Note: The dataset used for this map lacked information for some areas within the planning area. As a result, there is no corresponding suitability ranking for these areas.



LEGEND Suitability HIGH

East

Honolulu

Boundary

Potential

Sites

LOW

NEIGHBORHOOD

BOARD AREA 1 - HAWAI'I KAI 2 - KULIOUOU-KALANI IKI

3 - WAIALAE KAHALA 5 - Wai'alae Iki Park 0 0.3 0.6 1.2

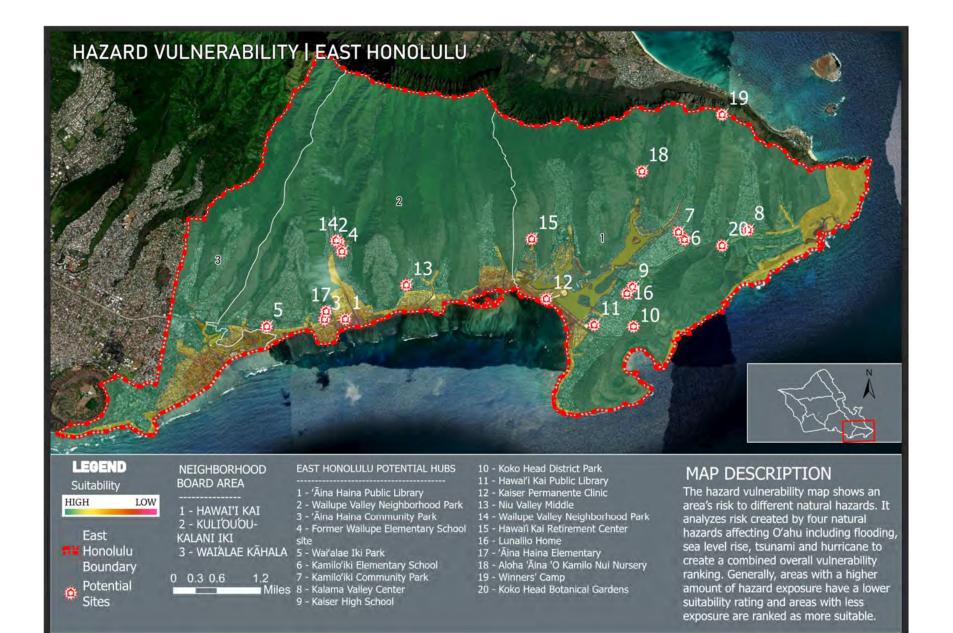
EAST HONOLULU POTENTIAL HUBS

- 1 'Āina Haina Public Library
- 2 Wailupe Valley Neighborhood Park
- 3 'Āina Haina Community Park
- 4 Former Wailupe Elementary School
- 6 Kamilo'iki Elementary School
- 7 Kamilo'iki Community Park
- Miles 8 Kalama Valley Center
 - 9 Kaiser High School

- 10 Koko Head District Park
- 11 Hawai'i Kai Public Library
- 12 Kaiser Permanente Clinic
- 13 Niu Valley Middle
- 14 Wailupe Valley Neighborhood Park 15 - Hawai'i Kai Retirement Center
- 16 Lunalilo Home
- 17 'Āina Haina Elementary
- 18 Aloha 'Āina 'O Kamilo Nui Nursery
- 19 Winners' Camp
- 20 Koko Head Botanical Gardens

MAP DESCRIPTION

The proximity to critical infrastructure map considers four critical infrastructure components required for a community resilience hub including emergency medical facilities, emergency evacuation shelter, disaster response facilities and food production center. The map shows the composite result of the suitability based on how far or close an area is located to these infrastructure facilities.





LEGEND

East

Honolulu

Sites

Boundary

Potential

HIGH

LOW

NEIGHBORHOOD

BOARD AREA 1 - HAWAI'I KAI 2 - KULIOUOU-KALANI IKI 3 - WAIALAE KAHALA 5 - Wai'alae Iki Park

0 0.3 0.6

The state of the s

site

- 6 Kamilo'iki Elementary School 1.2
- 7 Kamilo'iki Community Park Miles 8 - Kalama Valley Center

1 - 'Āina Haina Public Library

EAST HONOLULU POTENTIAL HUBS

2 - Wailupe Valley Neighborhood Park

- 9 Kaiser High School

10 - Koko Head District Park

- 11 Hawai'i Kai Public Library
- 12 Kaiser Permanente Clinic
- 13 Niu Valley Middle
- 16 Lunalilo Home
- 17 'Āina Haina Elementary 18 Aloha 'Āina 'O Kamilo Nui Nursery 19 Winners' Camp
- 20 Koko Head Botanical Gardens

MAP DESCRIPTION

The community support map shows the level of community support in different resilience hub. Support levels are based on the overall percentage of support calculated from the island-wide survey conducted in 2022, and mapped based on corresponding neighborhood board boundaries.

Wai'anae



1 - Our Lady of Kea'au 2 - former Makaha Valley Resort 3 - Mākaha Community Park 4 - Mākaha Elementary School 5 - Mākaha Cornet Building 6 - Wai'anae Driver Licensing Center 7- Wai'anae Neighborhood Place 8 - Kaupuni Neighborhood Park 9 - Leihoku Elementary School 10 - Kahumana Farms 11 - Wai'anae Shopping Mall 12 - Wai'anae Coast **Comprehensive Health** Center 13 - Mā'ili Elementary School 14 - Community Learning Center at Mā'ili 15 - Nanaikeola Clinic 16 - Pu'u Haleakalā **Recreation Center** 17 - Nānākuli High and Intermediate School 18 - Nānākuli Elementary School 19 - Lyman Ranch 20 - Nānākuli Longs Drugs 21 - The Cultural Learning Center at Ka'ala

15@ 24 21@ NEIGHBORHOOD BOARD AREA -----24 - WAI'ANAE COAST 36 - NĀNĀKULI-MĀILI LEGEND Suitability LOW 19 8-9-0-18 Wai'anae

16

HAZARDOUS SITES | WAIANAE

MAP DESCRIPTION

The Hazardous Sites map considers proximity to superfunds, brownfields, and Resource Conservation and Recovery Act Information (RCRAInfo) sites. These sites are considered hazardous due to different kinds of contamination. Studies by Mascarenhas et al (2021) and Lodge et al (2020) found residents may experience more impacts living within 1.8 miles from a superfund and 0.12 miles from brownfield or RCRAInfo sites. Areas closer to a hazardous site were given lower suitability scores than areas farther from the sites.

0 0.75 1.5 3

Miles

HIGH

Ô

Boundary Potential

Sites

1 - Our Lady of Kea'au 2 - former Makaha Valley Resort 3 - Mākaha Community Park 4 - Mākaha Elementary School 5 - Mākaha Cornet Building 6 - Wai'anae Driver Licensing Center 7- Wai'anae Neighborhood Place 8 - Kaupuni Neighborhood Park 9 - Leihoku Elementary School 10 - Kahumana Farms 11 - Wai'anae Shopping Mall 12 - Wai'anae Coast **Comprehensive Health** Center 13 - Mā'ili Elementary School 14 - Community Learning Center at Mā'ili 15 - Nanaikeola Clinic 16 - Pu'u Haleakalā **Recreation Center** 17 - Nānākuli High and **Intermediate School** 18 - Nānākuli Elementary School 19 - Lyman Ranch 20 - Nānākuli Longs Drugs 21 - The Cultural Learning Center at Ka'ala

0 0.75 1.5 3 Miles

TRANSPORTATION ACCESSIBILITY | WAI'ANAE

24

21@

440

15@

NEIGHBORHOOD BOARD AREA

LOW

LEGEND

Wai'anae

Sites

Boundary Potential

Suitability

HIGH

Ô

24 - WAI'ANAE COAST

36 - NĀNĀKULI-MĀILI

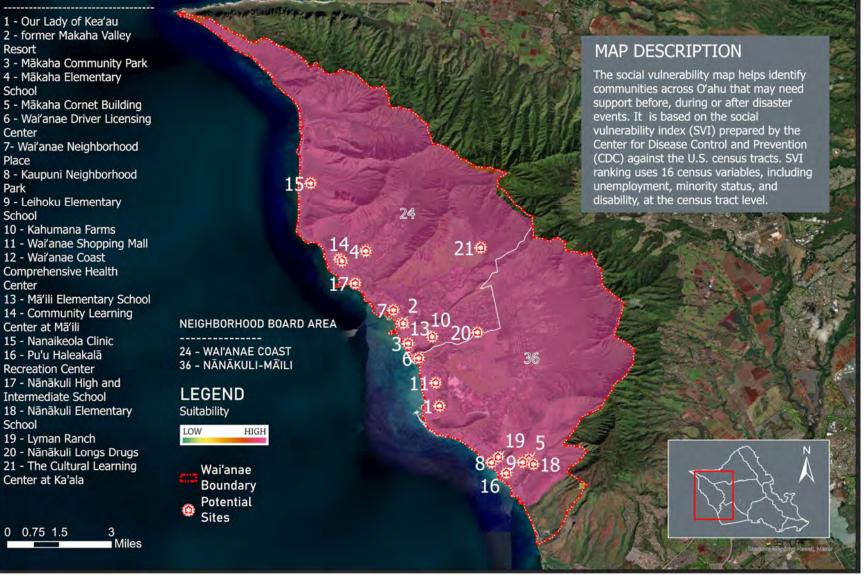
MAP DESCRIPTION

The transportation accessibility map shows how accessible transportation facilities are in an area. It analyzes intersection density, bus stop density, compact neighborhood rating, and population density. The areas with higher intersection and bus stop density and a higher compact neighborhood were rated as having better accessibility during or after disaster events.

19 80⁹9⁶⁶18 16

36

SOCIAL VULNERABILITY | WAI ANAE



Note: The dataset used for this map lacked information for some areas within the planning area. As a result, there is no corresponding suitability ranking for these areas.

PROXIMITY TO CRITICAL INFRASTRUCTURE | WAI'ANAE POTENTIAL HUBS A STATEMENT AND A STATEMENT OF STATEMENT 1 - Our Lady of Kea'au MAP DESCRIPTION 2 - former Makaha Valley The proximity to critical infrastructure map Resort considers four critical infrastructure 3 - Mākaha Community Park components required for a community 4 - Mākaha Elementary resilience hub including emergency School medical facilities, emergency evacuation 5 - Mākaha Cornet Building shelter, disaster response facilities and 6 - Wai'anae Driver Licensing food production center. The map shows Center the composite result of the suitability 7- Wai'anae Neighborhood based on how far or close an area is Place located to these infrastructure facilities. 8 - Kaupuni Neighborhood 15© Park 9 - Leihoku Elementary 24 School 10 - Kahumana Farms 1440 11 - Wai'anae Shopping Mall 21@ 12 - Wai'anae Coast **Comprehensive Health** Center 13 - Mā'ili Elementary School 14 - Community Learning NEIGHBORHOOD BOARD AREA Center at Mā'ili 15 - Nanaikeola Clinic _____ 24 - WAI'ANAE COAST 16 - Pu'u Haleakalā 36 36 - NĀNĀKULI-MĀILI **Recreation Center** 17 - Nānākuli High and LEGEND **Intermediate School** 18 - Nānākuli Elementary Suitability School HIGH LOW 19 - Lyman Ranch 9 20 - Nānākuli Longs Drugs 90018 21 - The Cultural Learning Wai'anae Center at Ka'ala Boundary 16 Potential Sites 0 0.75 1.5 3 Miles

HAZARD VULNERABILITY | WAI'ANAE



窗

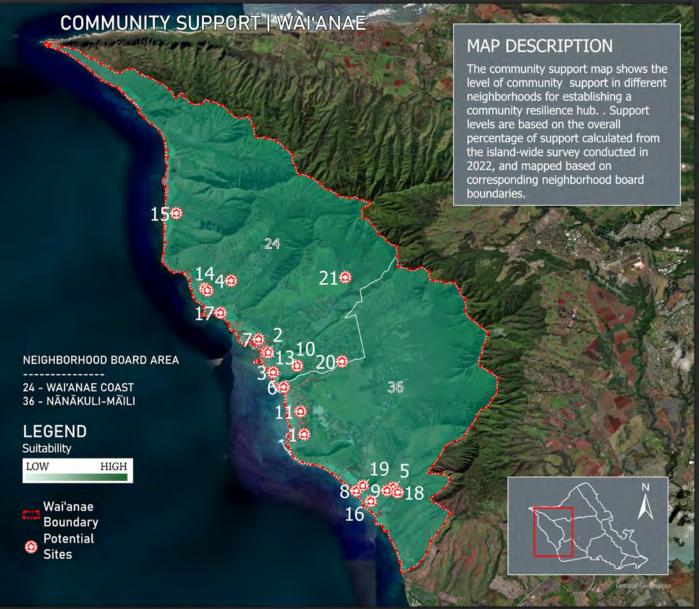
3 Miles

MAP DESCRIPTION The hazard vulnerability map shows an area's risk to different natural hazards. It analyzes risk created by four natural hazards affecting O'ahu including flooding, sea level rise, tsunami and hurricane to create a combined overall vulnerability ranking. Generally, areas with a higher amount of hazard exposure have a lower suitability rating 150 and areas with less exposure are ranked as more suitable. 24 210 NEIGHBORHOOD BOARD AREA 24 - WAI'ANAE COAST 36 36 - NĀNĀKULI-MĀILI LEGEND Suitability HIGH LOW 19 8-9-018 Wai'anae 16 Boundary Potential Sites

1 - Our Lady of Kea'au 2 - former Makaha Valley Resort 3 - Mākaha Community Park 4 - Mākaha Elementary School 5 - Mākaha Cornet Building 6 - Wai'anae Driver Licensing Center 7- Wai'anae Neighborhood Place 8 - Kaupuni Neighborhood Park 9 - Leihoku Elementary School 10 - Kahumana Farms 11 - Wai'anae Shopping Mall 12 - Wai'anae Coast **Comprehensive Health** Center 13 - Mā'ili Elementary School 14 - Community Learning Center at Mā'ili 15 - Nanaikeola Clinic 16 - Pu'u Haleakalā **Recreation Center** 17 - Nānākuli High and Intermediate School 18 - Nānākuli Elementary School 19 - Lyman Ranch 20 - Nānākuli Longs Drugs 21 - The Cultural Learning Center at Ka'ala

0 0.75 1.5

3 Miles



North Shore



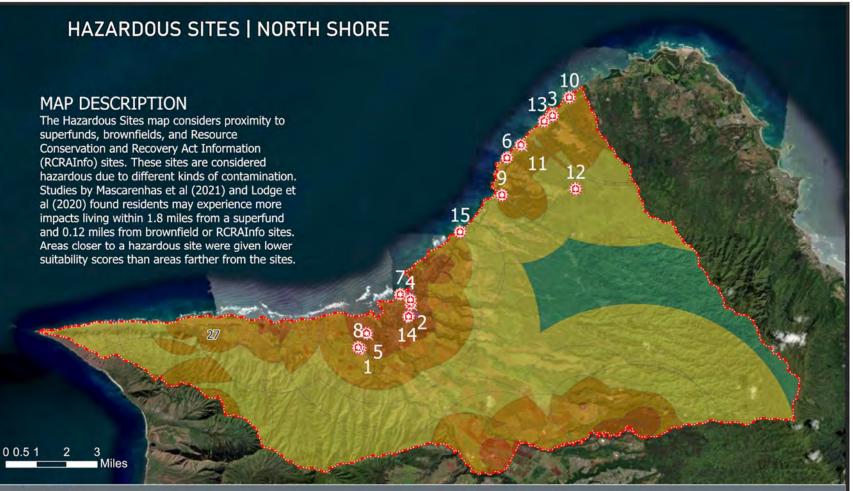
LEGEND

NorthShore Boundary O Potential Sites

- NEIGHBORHOOD BOARD AREA 5 Old Sugar Mill
- 27 NORTH SHORE
- NORTH SHORE POTENTIAL HUBS 1 - Waialua High and Intermediate School
- 2 Waialua Courthouse
- 3 Sunset Beach Elementary School4 Queen's Health Care Center
- 6 Sunset Beach Recreation Center
- 7 John K Kalili Surf Center

- 8 Waialua United Church of Christ
- 9 Waimea Valley
- 10 Waile'e Agriculture
- 11 Shark's Cove Mauka/Sunset Beach Neighborhood Park 12 Scouts BSA Camp Pupukea
- 13 Sunset Beach Park
- 14 Waialua Community Association
- 15 Kawailoa area (Monsanto Land and Windmill farm)





LEGEND Suitability

- HIGH LOW
- NorthShore Boundary OPotential Sites
- NORTH SHORE POTENTIAL HUBS
- 1 Waialua High and Intermediate School 2 - Waialua Courthouse
- 3 Sunset Beach Elementary School
- 4 Queen's Health Care Center
- 5 Old Sugar Mill
- 6 Sunset Beach Recreation Center
- 7 John K Kalili Surf Center

- 8 Waialua United Church of Christ
- 9 Waimea Valley
- 10 Waile'e Agriculture
- 11 Shark's Cove Mauka/Sunset Beach Neighborhood Park
- 12 Scouts BSA Camp Pupukea
 - 13 Sunset Beach Park
 - 14 Waialua Community Association
 - 15 Kawailoa area (Monsanto Land and Windmill farm)



NEIGHBORHOOD BOARD AREA 27 - NORTH SHORE



LEGEND

Suitability

- HIGH LOW
- NorthShore Boundary
- O Potential Sites

- NORTH SHORE POTENTIAL HUBS
- 1 Waialua High and Intermediate School
- 2 Waialua Courthouse
- 3 Sunset Beach Elementary School
- 4 Queen's Health Care Center
- 5 Old Sugar Mill
- 6 Sunset Beach Recreation Center
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NEIGHBORHOOD BOARD AREA

27 - NORTH SHORE

SOCIAL VULNERABILITY | NORTH SHORE

MAP DESCRIPTION

The social vulnerability map helps identify communities across O'ahu that may need support before, during or after disaster events. It is based on the social vulnerability index (SVI) prepared by the Center for Disease Control and Prevention (CDC) against the U.S. census tracts. SVI ranking uses 16 census variables, including unemployment, minority status, and disability, at the census tract level.



LEGEND Suitability

- LOW HIGH
- NorthShore Boundary Potential Sites
- NORTH SHORE POTENTIAL HUBS
- 1 Waialua High and Intermediate School
- 2 Waialua Courthouse
- 3 Sunset Beach Elementary School 4 - Queen's Health Care Center
- 5 Old Sugar Mill
- 6 Sunset Beach Recreation Center
- 7 John K Kalili Surf Center

- 8 Waialua United Church of Christ
- 9 Waimea Valley

5 🏟

- 10 Waile'e Agriculture
- 11 Shark's Cove Mauka/Sunset Beach Neighborhood Park

12

- 12 Scouts BSA Camp Pupukea
- 13 Sunset Beach Park
- 14 Waialua Community Association
- 15 Kawailoa area (Monsanto Land and Windmill farm)



NEIGHBORHOOD BOARD AREA 27 - NORTH SHORE



LEGEND Suitability

HIGH LOW

Potential Sites

奋

- NorthShore Boundary
- 5 Old Sugar Mill 6 Sunset Beach Recreation Center
 - 7 John K Kalili Surf Center

2 - Waialua Courthouse

1 - Waialua High and Intermediate School

3 - Sunset Beach Elementary School

4 - Queen's Health Care Center

- 8 Waialua United Church of Christ
- 9 Waimea Valley
- 10 Waile'e Agriculture
- 11 Shark's Cove Mauka/Sunset Beach Neighborhood Park
- 12 Scouts BSA Camp Pupukea
- 13 Sunset Beach Park
- 14 Waialua Community Association
- 15 Kawailoa area (Monsanto Land and Windmill farm)



NEIGHBORHOOD BOARD AREA

27 - NORTH SHORE



MAP DESCRIPTION

The hazard vulnerability map shows an area's risk to different natural hazards. It analyzes risk created by four natural hazards affecting O'ahu including flooding, sea level rise, tsunami and hurricane to create a combined overall vulnerability ranking. Generally, areas with a higher amount of hazard exposure have a lower suitability rating and areas with less exposure are ranked as more suitable.

0 0.5 1 2

3 Miles

LEGEND

- Suitability HIGH LOW NorthShore Boundary Detential Sites
- NORTH SHORE POTENTIAL HUBS
- 1 Waialua High and Intermediate School
- 2 Waialua Courthouse
- 3 Sunset Beach Elementary School 4 Queen's Health Care Center
- 5 Old Sugar Mill
- 6 Sunset Beach Recreation Center
- 7 John K Kalili Surf Center

- 8 Waialua United Church of Christ
- 9 Waimea Valley
- 10 Waile'e Agriculture
- 11 Shark's Cove Mauka/Sunset Beach Neighborhood Park

12

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- 12 Scouts BSA Camp Pupukea
- 13 Sunset Beach Park
- 14 Waialua Community Association
- 15 Kawailoa area (Monsanto Land and Windmill farm)



NEIGHBORHOOD BOARD AREA

27 - NORTH SHORE



LEGEND

Suitability

- LOW HIGH
- NorthShore Boundary Potential Sites

NORTH SHORE POTENTIAL HUBS

- 1 Waialua High and Intermediate School
- 2 Waialua Courthouse
- 3 Sunset Beach Elementary School 4 - Queen's Health Care Center
- 5 Old Sugar Mill
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- 8 Waialua United Church of Christ
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- 11 Shark's Cove Mauka/Sunset Beach Neighborhood Park
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- 14 Waialua Community Association
- 15 Kawailoa area (Monsanto Land and Windmill farm)



NEIGHBORHOOD BOARD AREA 27 - NORTH SHORE

Primary Urban Center

LEGEND

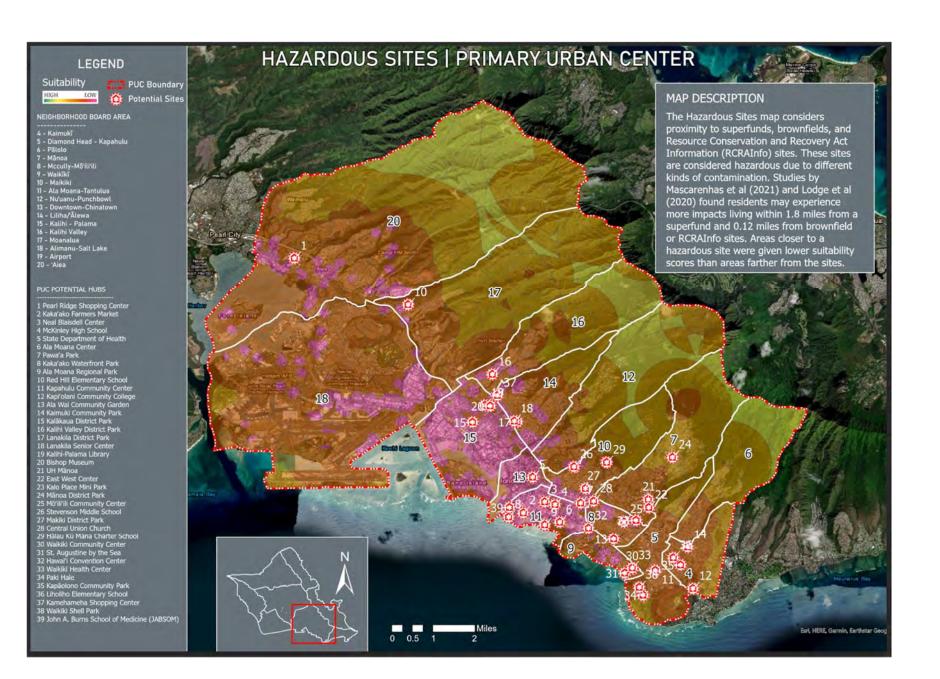
El PUC Boundary

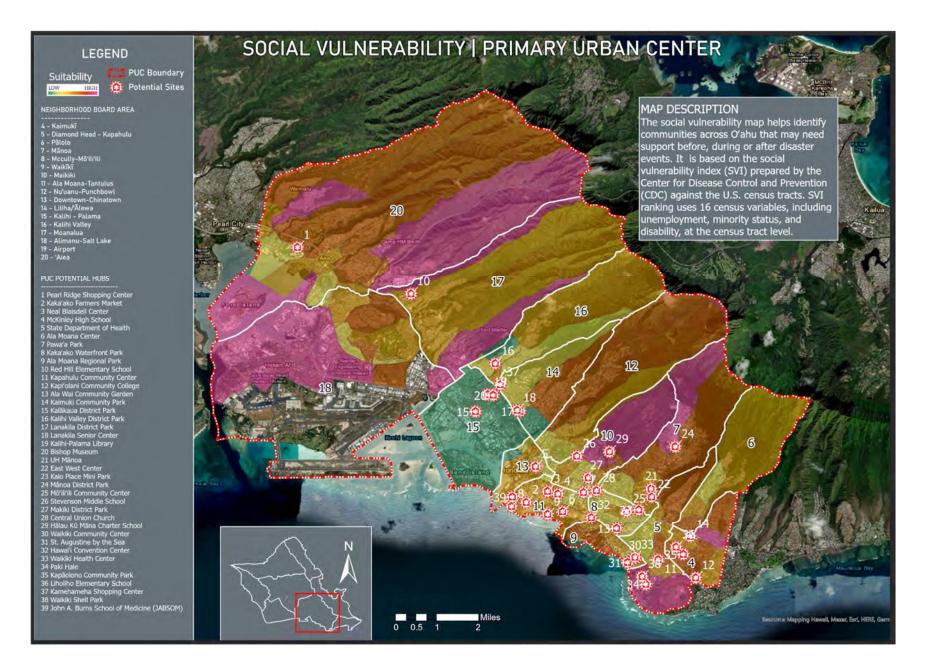
NEIGHBORHOOD BOARD AREA

4 - KAIMUKI 5 - DIAMOND HEAD - KAPAHULU 6 - PALOLO 7 - MANDA 8 - MCCULLY-MOILIILI 9 - WAIKIKI 10 - MAKIKI 11 - ALA MOANA-TANTALUS 12 - NUUANU-PUNCHBOWL 13 - DOWNTOWN-CHINATOWN 14 - LILIHA/ALEWA 15 - KALIHI - PALAMA 16 - KALIHI - PALAMA 16 - KALIHI - PALAMA 18 - ALIMANU-SALT LAKE 19 - AIRPORT 20 - AIEA PUC POTENTIAL HUBS

PUC POTENTIAL HUBS 1 Pearl Ridge Shopping Center 2 Kaka'ako Farmers Market 3 Neal Blaisdell Center 4 McKniley High School 5 State Department of Health 6 Ala Moana Center 7 Pawa'a Park 8 Kaka'ako Waterfront Park 9 Ala Moana Regional Park 10 Red Hill Elementary School 11 Kapahulu Community Conter 12 Kapi'olani Community Conter 13 Ala Wal Community Garden 14 Kaimuki Community Garden 14 Kaimuki Community Garden 15 KalāKaua District Park 16 Kalihi Valley District Park 18 Lanakila Senior Center 19 Kalihi-Palama Library 20 Bishop Museum 21 UH Mānoa 22 East West Center 23 Kalo Place Mini Park 24 Mānoa District Park 25 Mo'ili'ili Community Center 25 Stevenson Middle School 27 Makiki District Park 28 Central Union Church 29 Halau Ku Mana Charter School 30 Walkiki Health Center 31 St. Augustine by the Sea 32 Hawai' Convention Center 33 Waikiki Health Center 34 Paki Hale 35 Kapaolono Community Park 34 Daki Health Center 34 Waikiki Shell Park 39 John A. Burns School of Medicine (JABSOM)







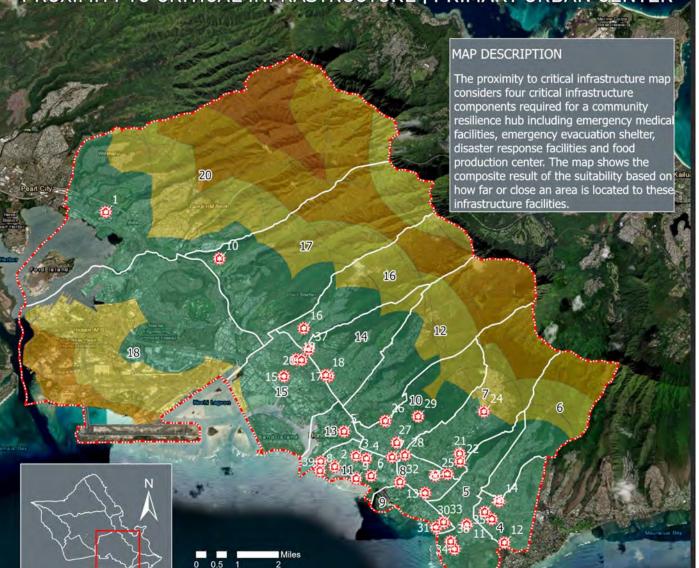
LEGEND Suitability 💴 PUC Boundary HIGH LOW Potential Sites

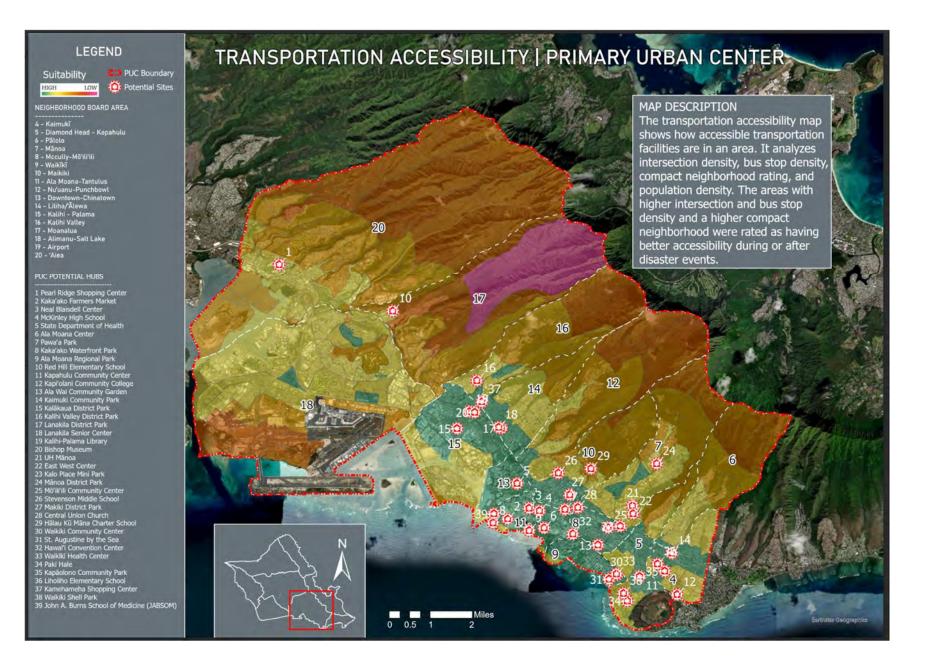
PROXIMITY TO CRITICAL INFRASTRUCTURE | PRIMARY URBAN CENTER

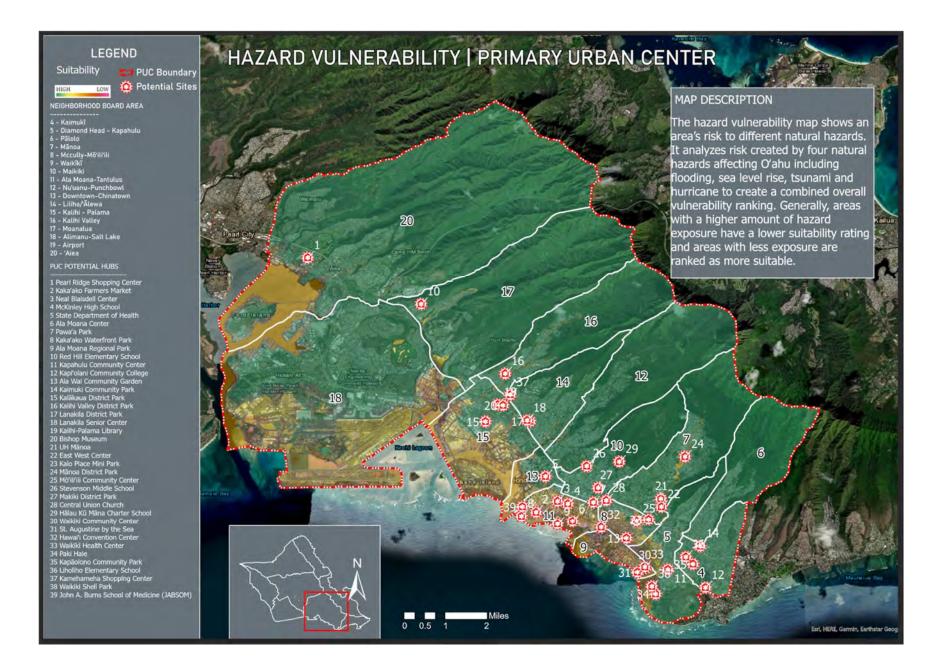
NEIGHBORHOOD BOARD AREA

- 4 Kaimukī 5 Diamond Head Kapahulu 6 Pālolo 7 Mānoa 7 - Mānoa 8 - Mcculty-Möʻili'ili 9 - Waikki 10 - Maikki 11 - Ala Moana-Tantulus 12 - Nu'uanu-Punchbowl 13 - Downtown-Chinatown 14 - Litiha/Alewa 15 - Kalihi - Palama 16 - Kalihi Valley 17 - Moanalua 18 - Alimanu-Salt Lake 19 - Airport 20 - Yalea

1 Pearl Ridge Shopping Center 2 Kaka'ako Farmers Market 3 Neal Blaisdeil Center 4 McKinley High School 5 State Department of Health 6 Ala Moana Center 5 State Department of Health 6 Ala Moana Center 7 Pawa'a Park 8 Kaka'ako Waterfront Park 9 Ala Moana Regional Park 10 Red Hill Elementary School 11 Kapahulu Community Center 12 Kapi'olani Community Center 13 Ala Wai Community Center 13 Ala Wai Community Garden 14 Kaimuki Community Garden 14 Kaimuki Community Garden 16 Kalihi Valley District Park 17 Lanakila District Park 17 Lanakila District Park 18 Lanakila Senior Center 19 Kalihi-Palama Library 20 Bishop Museum 21 UH Manoa 22 East West Center 23 Kalo Piace Mini Park 24 Mänoa District Park 25 Kalo Piace Mini Park 25 Kalo Piace Mini Park 26 Stevenson Middle School 27 Makiki District Park 28 Central Union Church 29 Häliau Ki Mäna Charter School 30 Walikiki Community Center 24 Saki Halath Conter 31 St. Augustine by the Sea 32 Hawa'i Corvention Center 34 Paki Hale 33 Waikiki Health Center 34 Paki Hale 35 Kapäolono Community Park 36 Liholiho Elementary School 37 Kamehameha Shopping Center 38 Waikiki Shell Park 39 John A. Burns School of Medicine (JABSOM)







LEGEND COMMUNITY SUPPORT | PRIMARY URBAN CENTER Suitability **CUID** PUC Boundary оw нісн 🏠 Potential Sites MAP DESCRIPTION NEIGHBORHOOD BOARD AREA 4 - Kaimuki 5 - Diamond Head - Kapahulu 6 - Pälolo 7 - Mänoa 8 - Mccully-Mõilirili 9 - Waikīki 10 - Maikīki 11 - Ala Moana-Tantulus 12 - Nu'uanu-Punchbowl 13 - Downtown-Chinatown 14 - Liliha/Ālewa 15 - Kalihi - Palama 16 - Kalihi Valley 17 - Moanalua 18 - Alimanu-Salt Lake 19 - Airport 20 - Aiea The community support map shows the level of community support in different neighborhoods for establishing a community resilience hub. . Support levels are based on the overall percentage of support calculated from the islandwide survey conducted in 2022, and mapped based on corresponding neighborhood board boundaries. PUC POTENTIAL HUBS 10 DIG LLENG 16 14 18 200 15 15 724 10 29 0 13

Miles

0 0.5 1

31

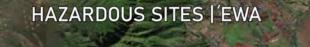
'Ewa



ÉWA POTENTIAL HUBS

1 - Western O'ahu Vet Center
 2 - Kānehili Community
 Association Park
 3 - The Kroc Center
 4 - UH at West O'ahu
 5 - Ka Makana Ali'i Shopping
 Center
 6 - Walmart
 7 - Kapolei Heritage Center
 8 - Department of Hawaiian
 Homelands
 9 - Hawai'i Agricultural Research
 Center

LEGEND Suitability HIGH LOW We Boundary Potential Sites Notestial Sites 0 0.5 1 2 Miles



34

60

20

MAP DESCRIPTION

23

The Hazardous Sites map considers proximity to superfunds, brownfields, and Resource Conservation and Recovery Act Information (RCRAInfo) sites. These sites are considered hazardous due to different kinds of contamination. Studies by Mascarenhas et al (2021) and Lodge et al (2020) found residents may experience more impacts living within 1.8 miles from a superfund and 0.12 miles from brownfield or RCRAInfo sites. Areas closer to a hazardous site were given lower suitability scores than areas farther from the sites.

Earthstar Geographics

'EWA POTENTIAL HUBS

1 - Western O'ahu Vet Center
 2 - Kānehili Community
 Association Park
 3 - The Kroc Center
 4 - UH at West O'ahu
 5 - Ka Makana Ali'i Shopping
 Center
 6 - Walmart
 7 - Kapolei Heritage Center
 8 - Department of Hawaiian
 Homelands
 9 - Hawai'i Agricultural Research

Center

NEIGHBORHOOD BOARD AREA -------23 - 'EWA

34 - MAKAKILO/KAPOLEI

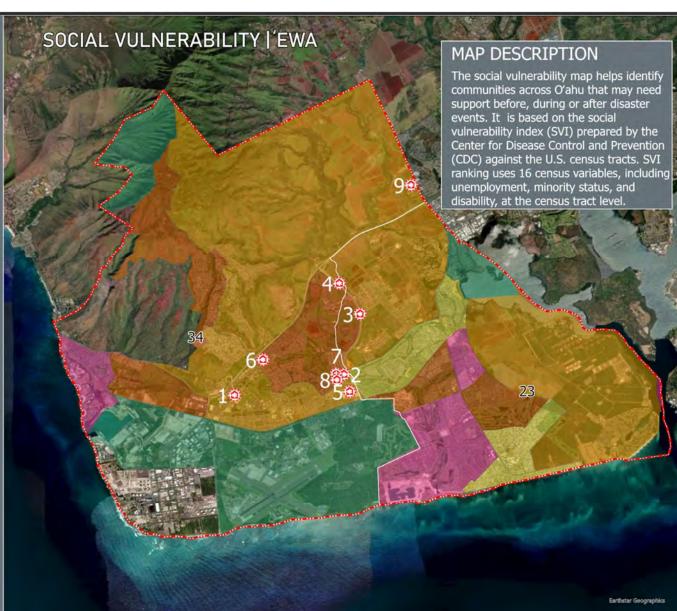
LEGEND

Suitability

HIGH LOW

en Ewa Boundary Potential Sites





EWA POTENTIAL HUBS 1 - Western O'ahu Vet Center 2 - Kānehili Community Association Park 3 - The Kroc Center 4 - UH at West O'ahu 5 - Ka Makana Ali'i Shopping Center 6 - Walmart 7 - Kapolei Heritage Center 8 - Department of Hawaiian Homelands 9 - Hawai'i Agricultural Research Center NEIGHBORHOOD BOARD AREA 23 - 'EWA 34 - MAKAKILO/KAPOLEI LEGEND Suitability HIGH LOW 'Ewa Boundary O Potential Sites

0 0.5



Note: The dataset used for this map lacked information for some areas within the planning area. As a result, there is no corresponding suitability ranking for these areas.

'EWA POTENTIAL HUBS

1 - Western O'ahu Vet Center 2 - Kānehili Community Association Park

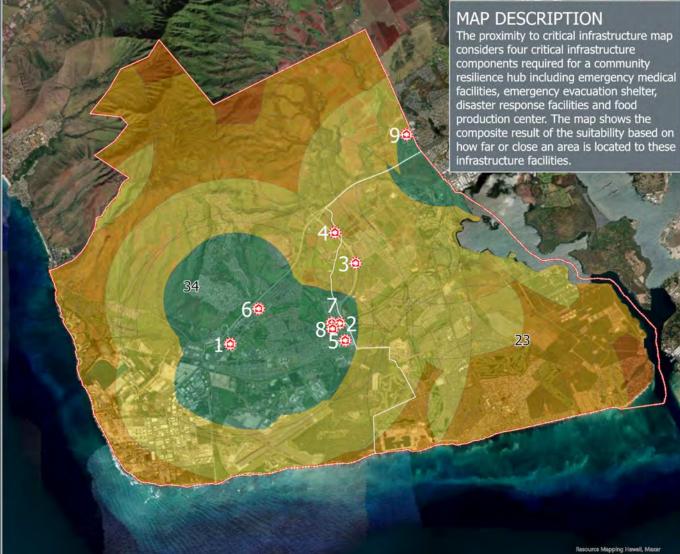
- 3 The Kroc Center
- 4 UH at West O'ahu
- 5 Ka Makana Ali'i Shopping Center
- 6 Walmart
- 7 Kapolei Heritage Center 8 - Department of Hawaiian
- Homelands
- 9 Hawai'i Agricultural Research Center

NEIGHBORHOOD BOARD AREA

23 - 'EWA 34 - MAKAKILO/KAPOLEI

LEGEND Suitability HIGH LOW Éwa Boundary Potential Sites N 0 0.5 1 2 Miles

PROXIMITY TO CRITICAL INFRASTRUCTURE L'EWA



EWA POTENTIAL HUBS

1 - Western O'ahu Vet Center 2 - Kānehili Community Association Park 3 - The Kroc Center 4 - UH at West O'ahu 5 - Ka Makana Ali'i Shopping Center 6 - Walmart 7 - Kapolei Heritage Center

8 - Department of Hawaiian Homelands 9 - Hawai'i Agricultural Research

Center

NEIGHBORHOOD BOARD AREA

23 - 'EWA

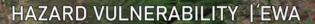
34 - MAKAKILO/KAPOLEI

LEGEND

Suitability

HIGH LOW 'Ewa Boundary Potential O Sites







Earthstar Geographics

'EWA POTENTIAL HUBS

- 1 Western O'ahu Vet Center 2 - Kānehili Community Association Park 3 - The Kroc Center
- 4 UH at West O'ahu 5 - Ka Makana Ali'i Shopping
- Center
- 6 Walmart
- 7 Kapolei Heritage Center 8 - Department of Hawaiian
- Homelands
- 9 Hawai'i Agricultural Research Center

NEIGHBORHOOD BOARD AREA

23 - 'EWA

34 - MAKAKILO/KAPOLEI

LEGEND Suitability

LOW HIGH



