

5.4 HAZARD MAPS

Hazard Maps have been included in this General Plan to support the goals and policies relating to increasing resilience. The maps identify areas across the island that may be vulnerable to natural hazards including flooding, wildfires, and tsunamis. They also identify the locations of critical facilities. The Hazard Maps, like the Heritage Resource Maps, are intended to be used as a planning tool to guide responsible decision-making about future land use and capital investments. The Hazard Maps should be periodically reviewed and updated as additional data becomes available. The Extreme Tsunami Evacuation Zone was added to the maps to show how such an event might affect the island; however, its intended use is specifically for hazard evacuation planning. As such, it was not used to inform changes to the Land Use Maps. Maps depicting potential 1-foot, 3-foot, and 6-foot sea level rise scenarios for select locations on the island are included in Appendix D.

The Hazard Maps show:

- Dams
- Emergency Shelters
- Critical Facilities
- Major Roads
- Tsunami Evacuation Zones
- Extreme Tsunami Evacuation Zone
- Streams
- Wildfire Risk Rating
- Flood Zones

Purposes of the Hazard Maps

The purposes of the Hazard Maps are as follows:

- The Hazard Maps depict areas known to be vulnerable to natural hazards including flooding, wildfires, and tsunamis. These risk areas have been mapped using existing data sources and depict general locations that are intended to be representational, not precise.
- The Hazard Map shall be used as a planning tool to identify existing developed areas that may need further analysis or protection. They can also help guide land use decisions that situate future development and critical facilities in safer areas.
- The Hazard Maps should be referenced in preparing Community Plans.
- Preparing or revising land use ordinances and rules, including but not limited to the following: revisions to the Comprehensive Zoning Ordinance or the Zoning Maps, zone change ordinances, revisions to the Special Management Area (SMA) rules or boundaries, revisions to the Subdivision Ordinance, and the preparation of new ordinances or rules.
- Projects undertaken with State or County lands or funds should be planned outside of known hazard areas.
- The Hazard Maps shall serve as a guide in the review of subdivision and land use permit applications, but may not be used to prohibit a land use that is allowed by the Comprehensive Zoning Ordinance or by permit.

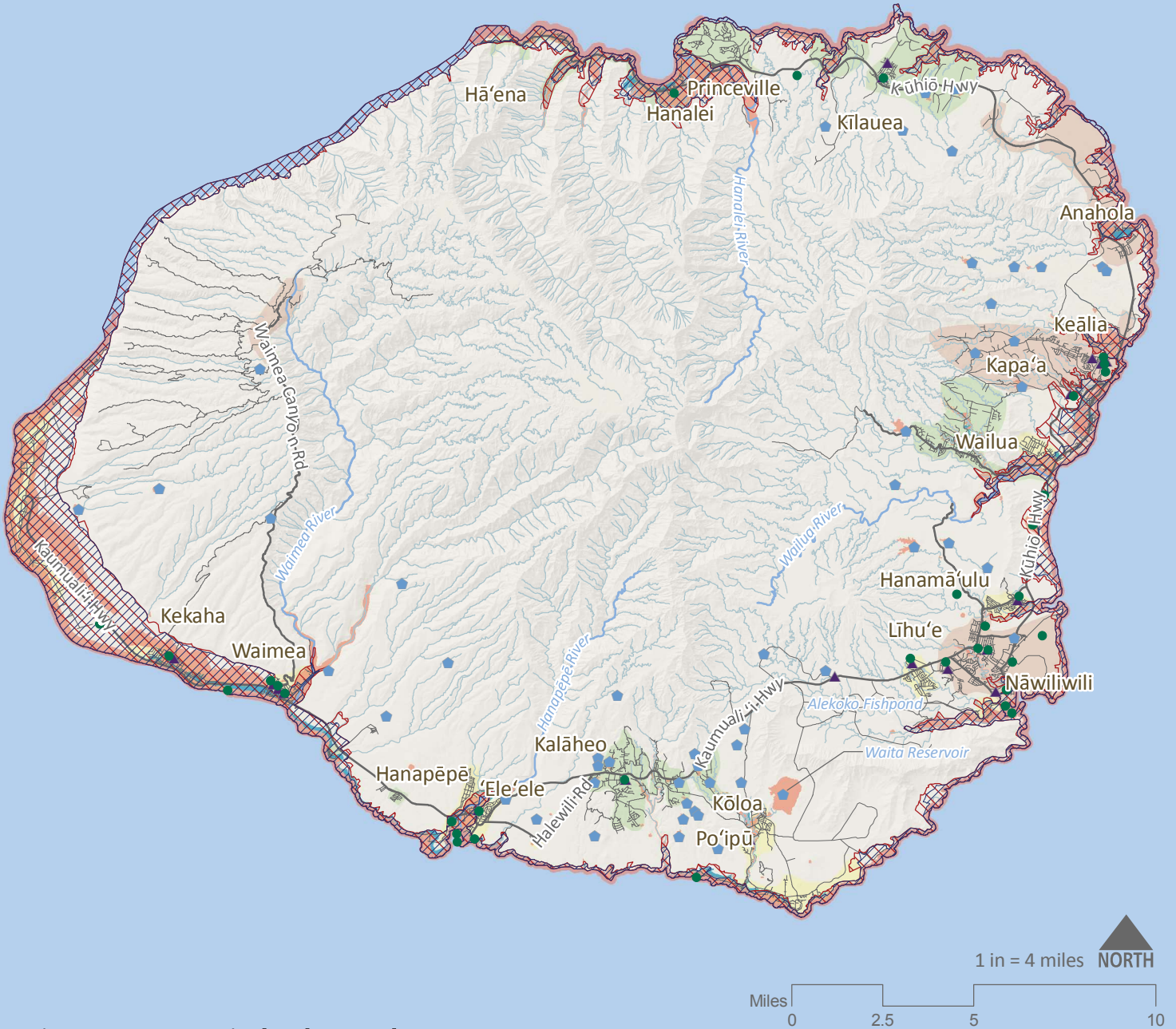


Figure 5-15 Kaua'i Island Hazard Map

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|-----------------------------|---------------------------|---------------------------------|
| Critical Facilities | Dams | High Risk Flood Zone |
| Airports | Emergency Shelters | Moderate Risk Flood Zone |
| Civic Centers | Streams | Wildfire Risk Rating |
| Harbors | Major Roads | High |
| Schools | Roads | Medium |
| Correctional Center | Tsunami Evacuation Zone | Low |
| Electric Facilities | Extreme Tsunami Zone | |
| Hospitals | | |
| Landfill | | |
| Wastewater Treatment Plants | | |

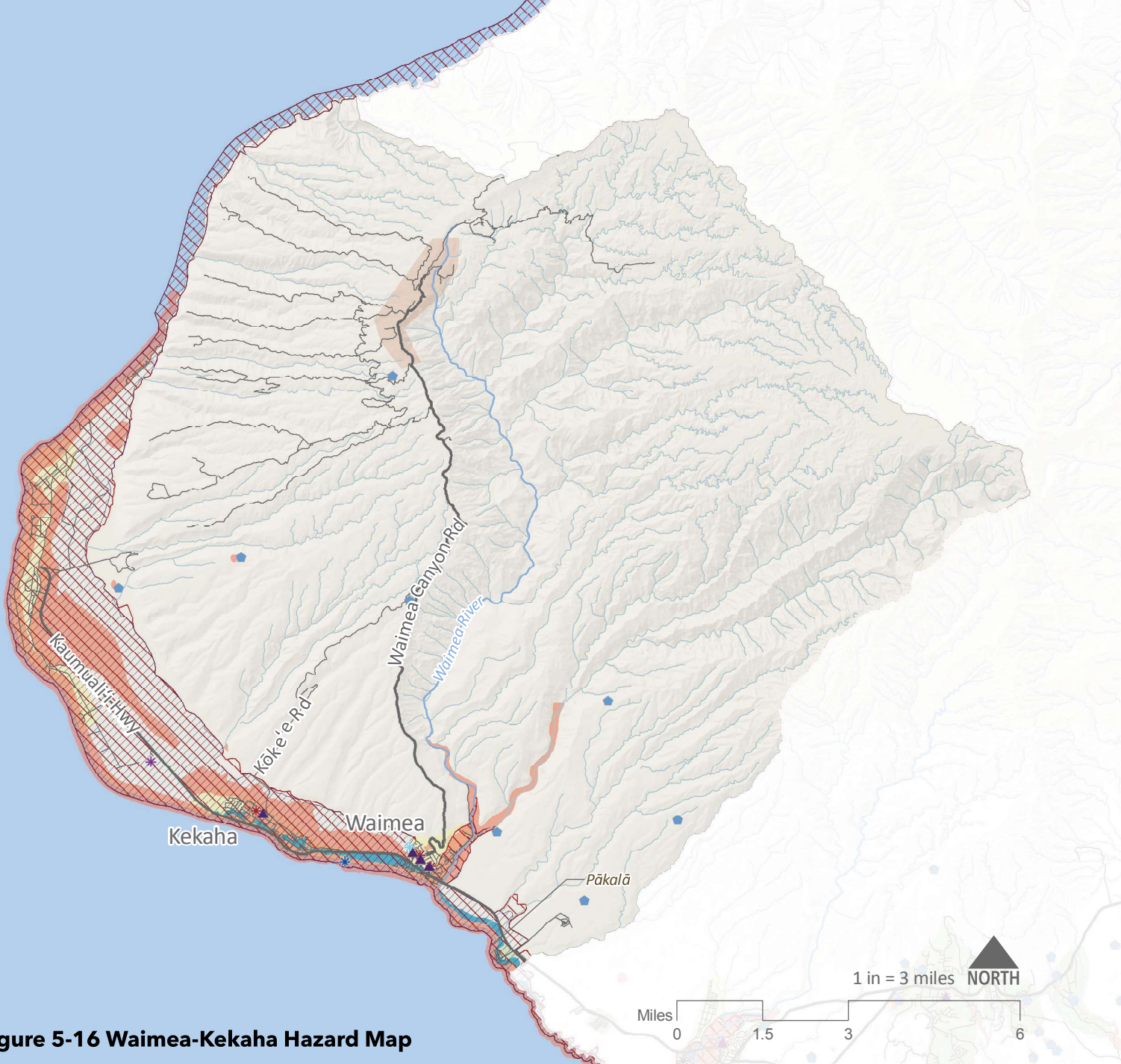


Figure 5-16 Waimea-Kekaha Hazard Map

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|-----------------------------|-------------------------|-----------------------------|
| Critical Facilities | Dams | High Risk Flood Zone |
| Airports | Emergency Shelters | Moderate Risk Flood Zone |
| Civic Centers | Streams | Wildfire Risk Rating |
| Harbors | Major Roads | High |
| Schools | Roads | Medium |
| Correctional Center | Tsunami Evacuation Zone | Low |
| Electric Facilities | Extreme Tsunami Zone | |
| Hospitals | | |
| Landfill | | |
| Wastewater Treatment Plants | | |

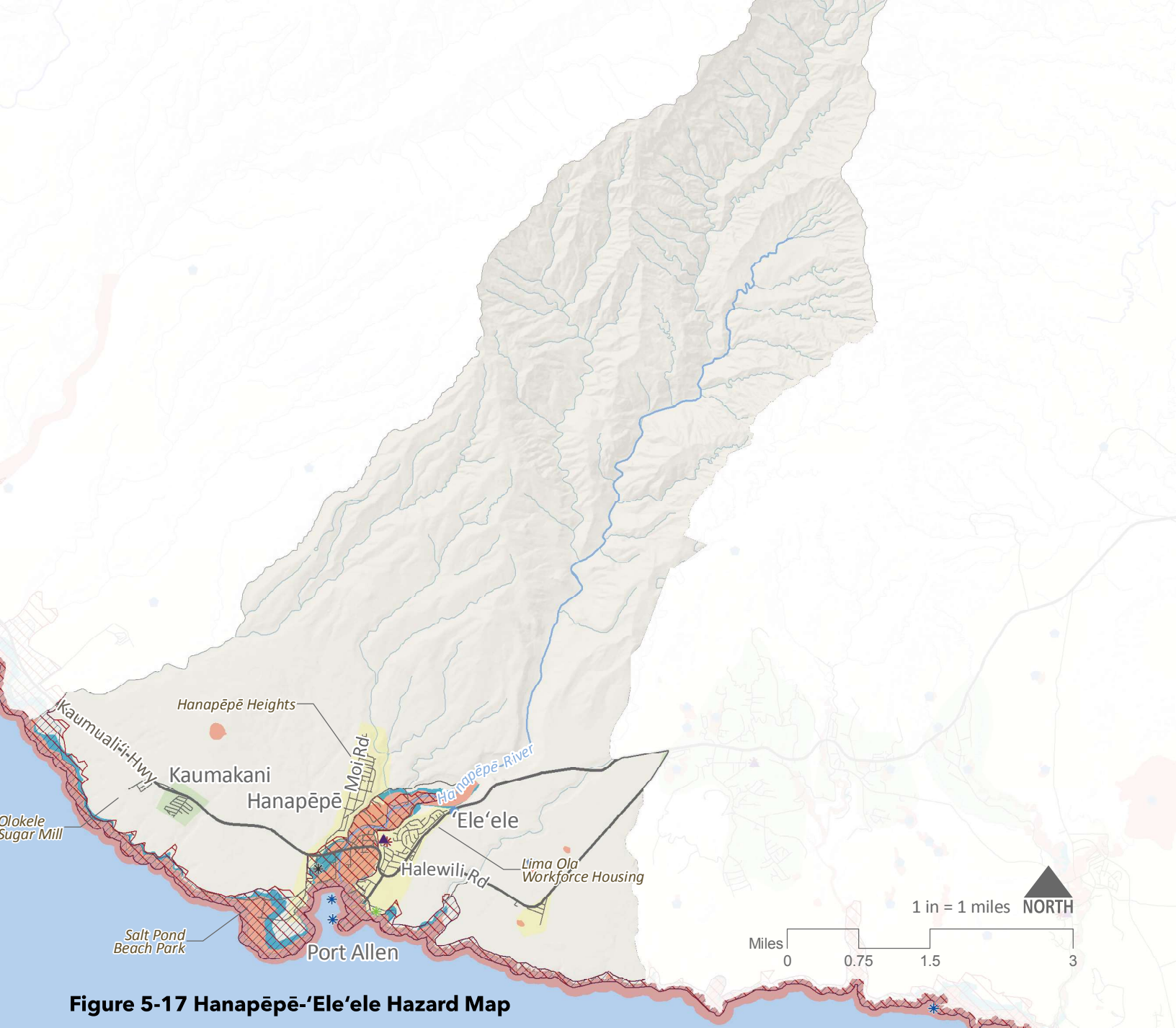


Figure 5-17 Hanapēpē-'Ele'ele Hazard Map

Critical Facilities

- * Airports
- * Civic Centers
- * Harbors
- * Schools
- * Correctional Center
- * Electric Facilities
- * Hospitals
- * Landfill
- * Wastewater Treatment Plants

- ◆ Dams
- ▲ Emergency Shelters

- Streams
- Major Roads
- Roads

- ▨ Tsunami Evacuation Zone
- ▨ Extreme Tsunami Evacuation Zone

- High Risk Flood Zone
- Moderate Risk Flood Zone

Wildfire Risk Rating

- High
- Medium
- Low

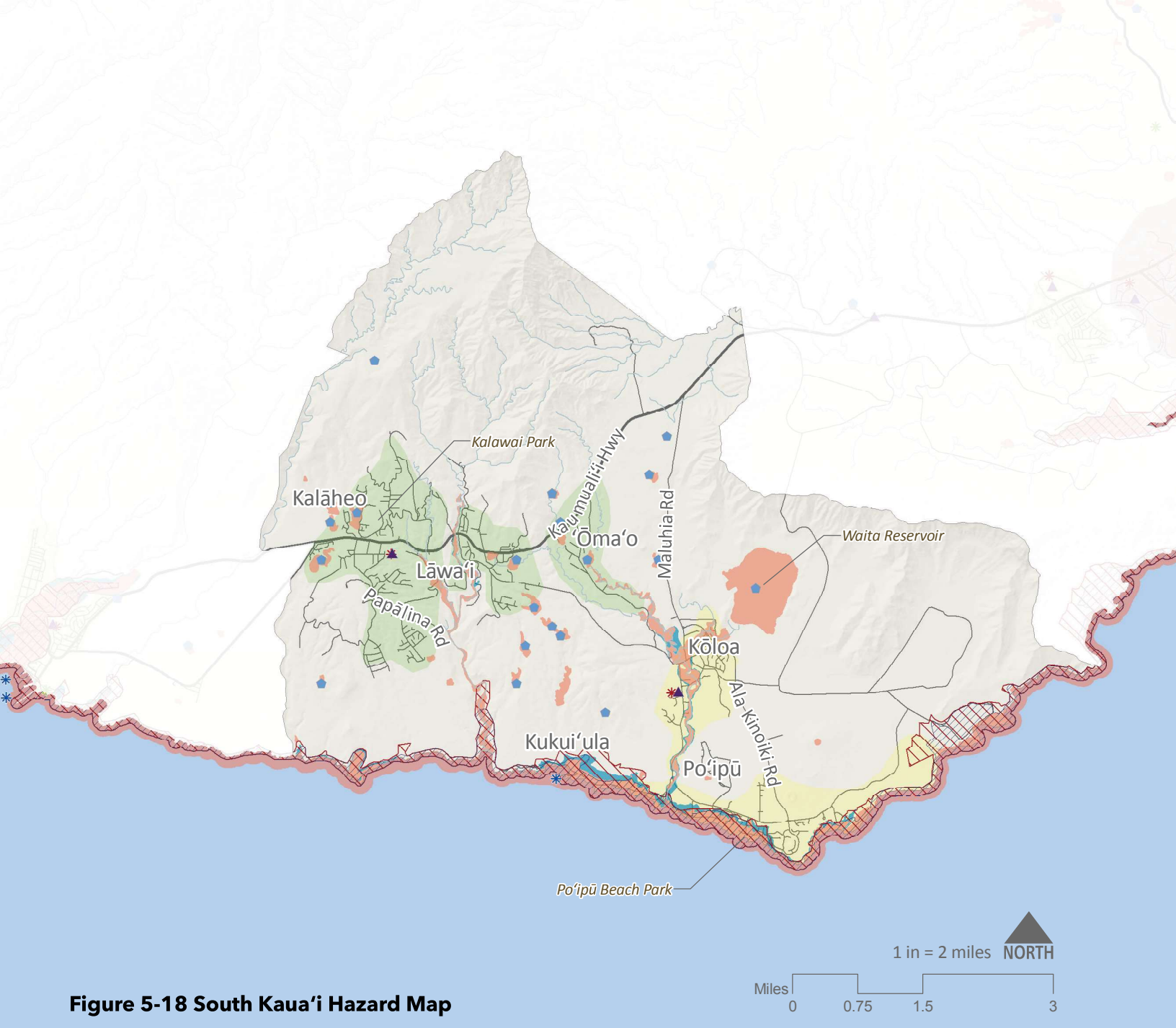


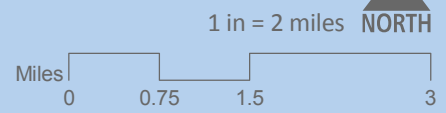
Figure 5-18 South Kaua'i Hazard Map

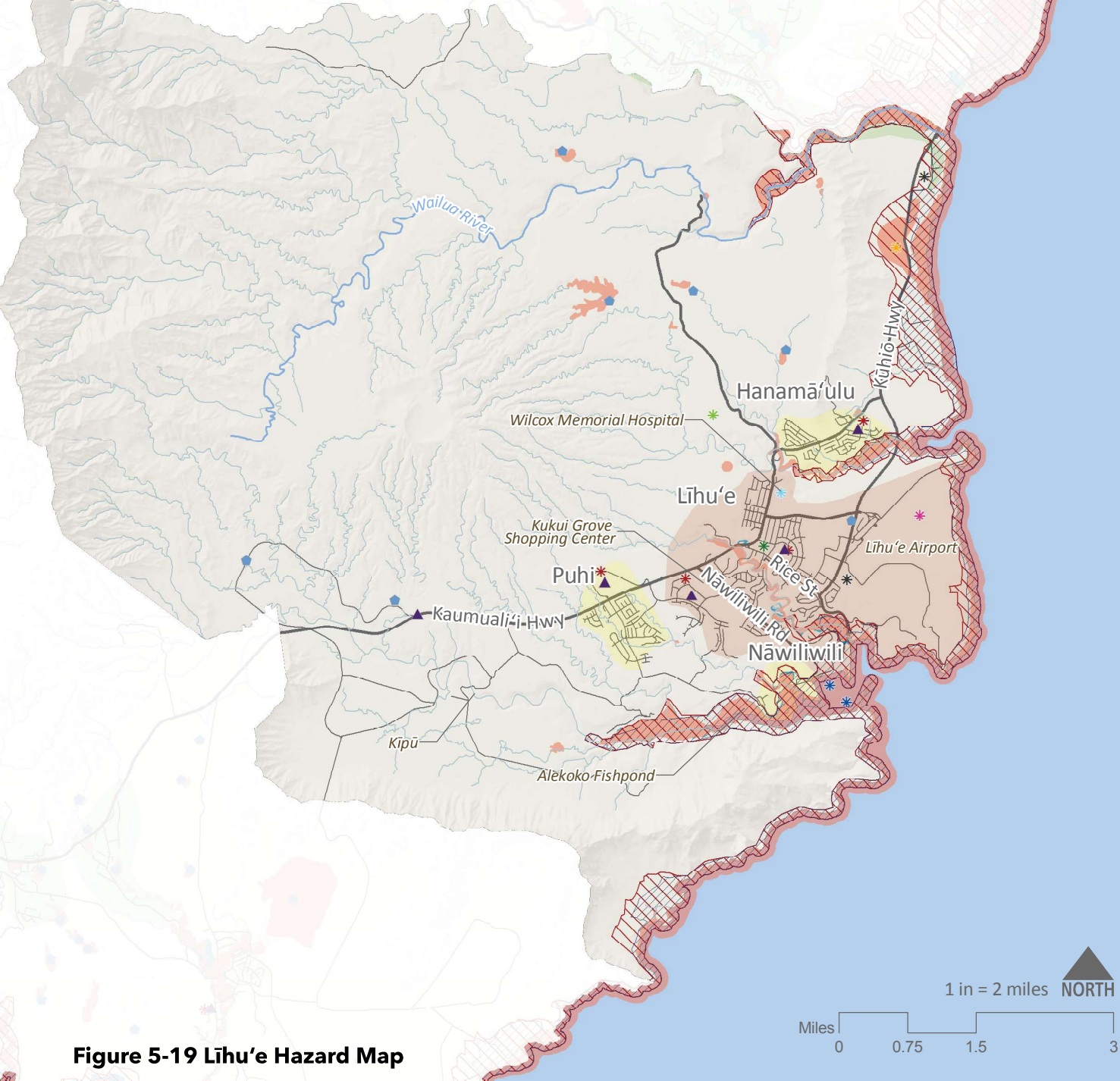
Critical Facilities

- * Airports
- * Civic Centers
- * Harbors
- * Schools
- * Correctional Center
- * Electric Facilities
- * Hospitals
- * Landfill
- * Wastewater Treatment Plants

- ◆ Dams
- ▲ Emergency Shelters
- Streams
- Major Roads
- Roads
- ▨ Tsunami Evacuation Zone
- ▩ Extreme Tsunami Evacuation Zone

- High Risk Flood Zone
- Moderate Risk Flood Zone
- Wildfire Risk Rating**
- High
- Medium
- Low



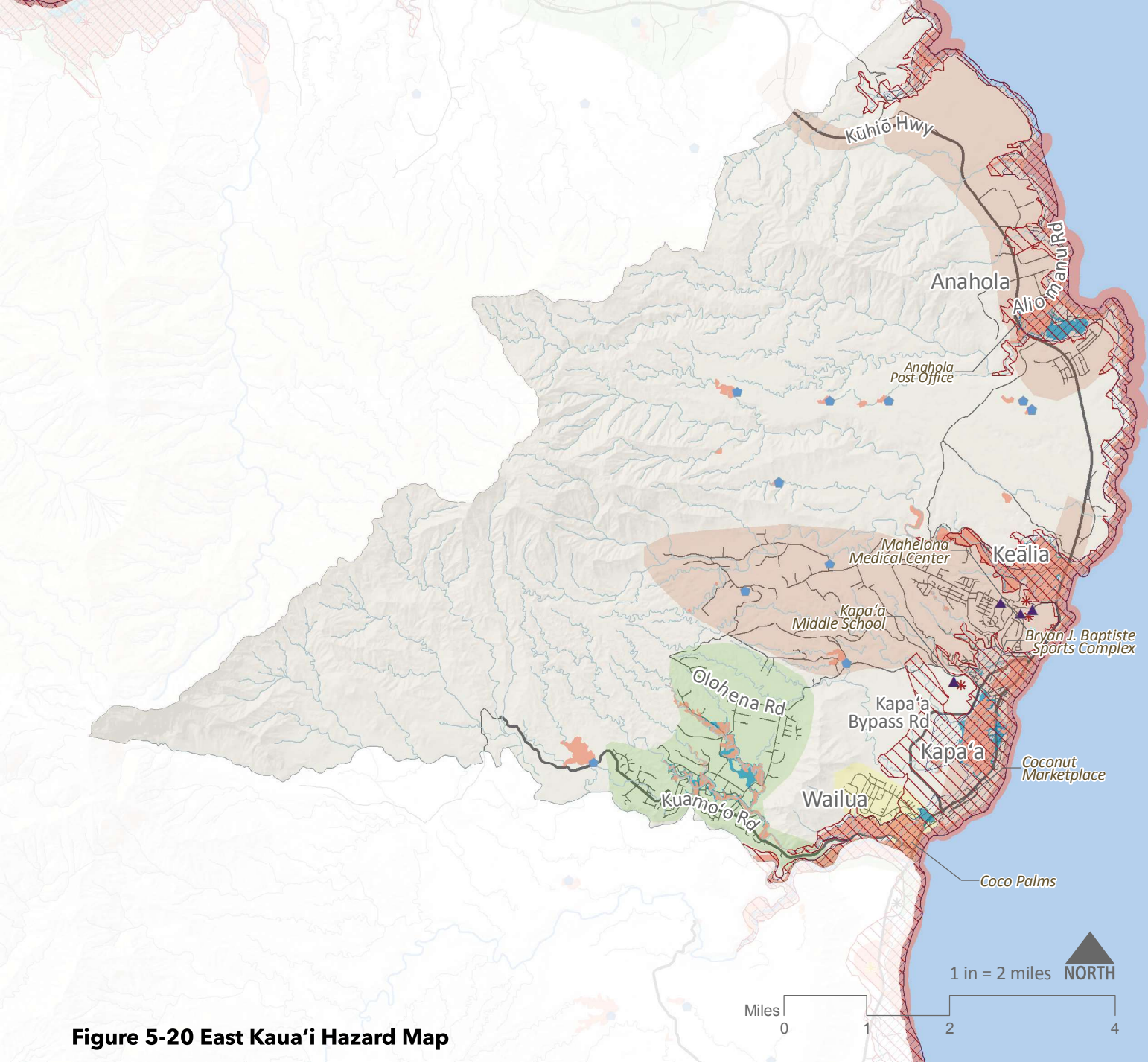


Critical Facilities

- * Airports
- * Civic Centers
- * Harbors
- * Schools
- * Correctional Center
- * Electric Facilities
- * Hospitals
- * Landfill
- * Wastewater Treatment Plants

- Dams
- ▲ Emergency Shelters
- Streams
- Major Roads
- Roads
- ▨ Tsunami Evacuation Zone
- ▨ Extreme Tsunami Evacuation Zone

- High Risk Flood Zone
 - Moderate Risk Flood Zone
- Wildfire Risk Rating**
- High
 - Medium
 - Low



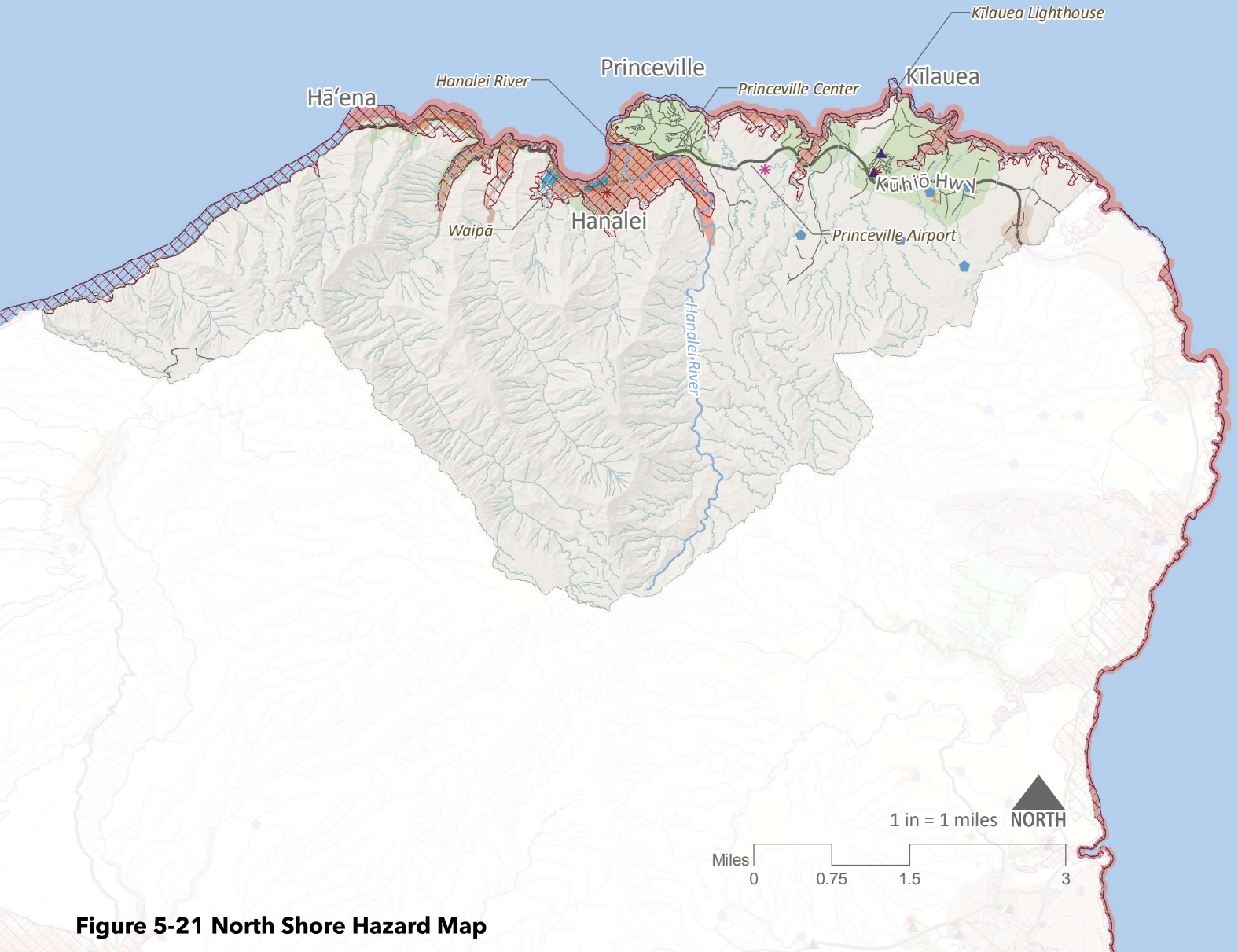


Figure 5-21 North Shore Hazard Map

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|-----------------------------|---------------------------------|-----------------------------|
| Critical Facilities | Dams | High Risk Flood Zone |
| Airports | Emergency Shelters | Moderate Risk Flood Zone |
| Civic Centers | Streams | Wildfire Risk Rating |
| Harbors | Major Roads | High |
| Schools | Roads | Medium |
| Correctional Center | Tsunami Evacuation Zone | Low |
| Electric Facilities | Extreme Tsunami Evacuation Zone | |
| Hospitals | | |
| Landfill | | |
| Wastewater Treatment Plants | | |