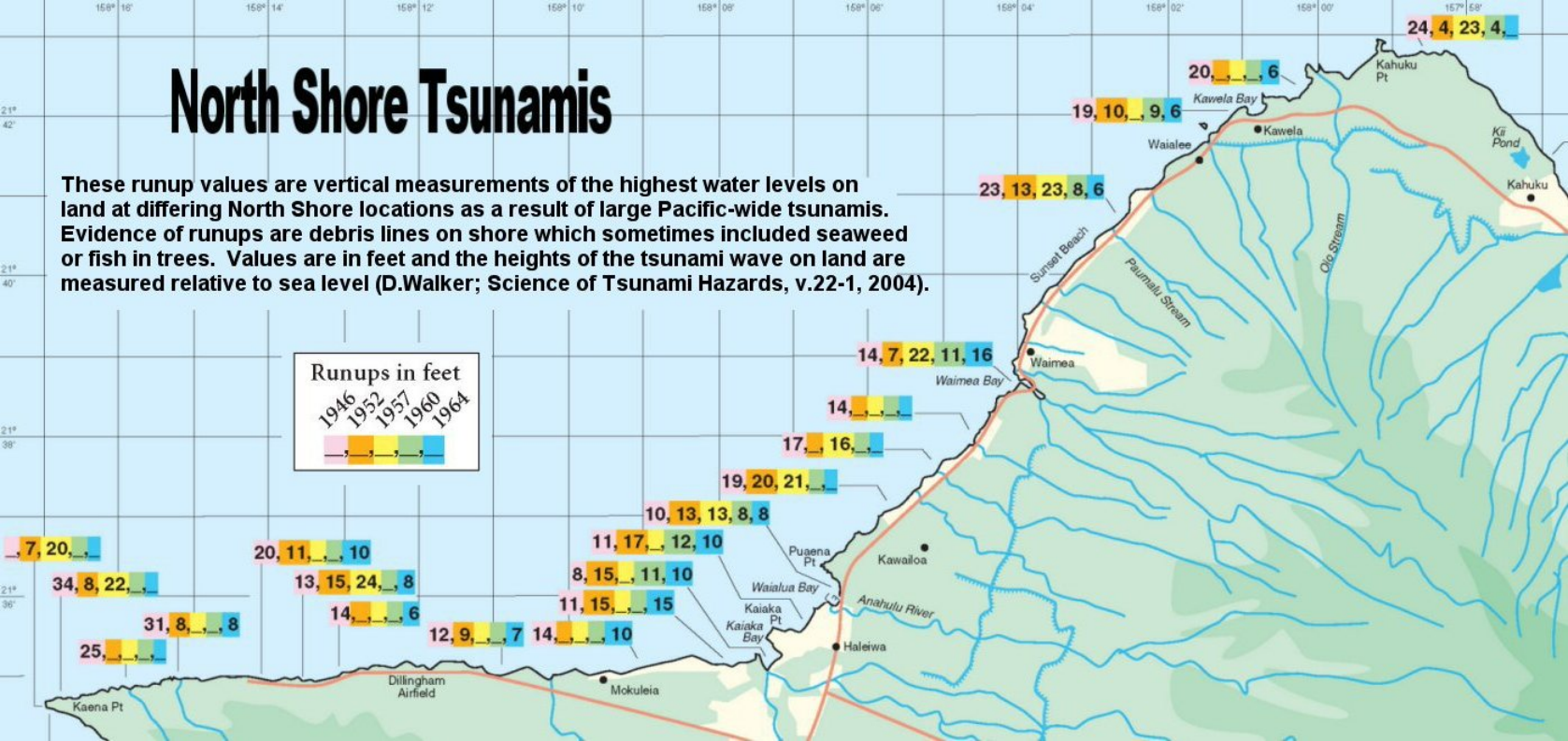


North Shore Tsunamis



These runup values are vertical measurements of the highest water levels on land at differing North Shore locations as a result of large Pacific-wide tsunamis. Evidence of runups are debris lines on shore which sometimes included seaweed or fish in trees. Values are in feet and the heights of the tsunami wave on land are measured relative to sea level (D.Walker; Science of Tsunami Hazards, v.22-1, 2004).



Runups in feet
 1946 1952 1957 1960 1964

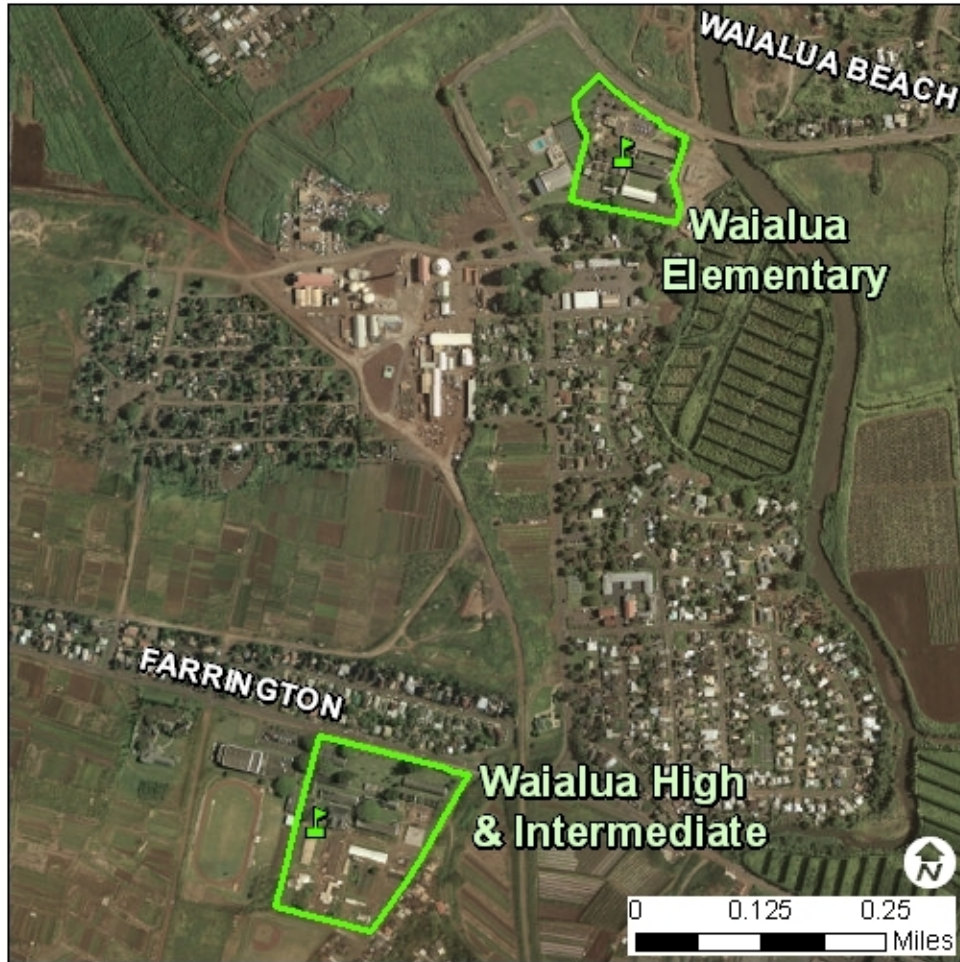
PUBLIC EMERGENCY SHELTERS: NORTH SHORE OAHU



 Public Emergency Shelter  TMK Boundary



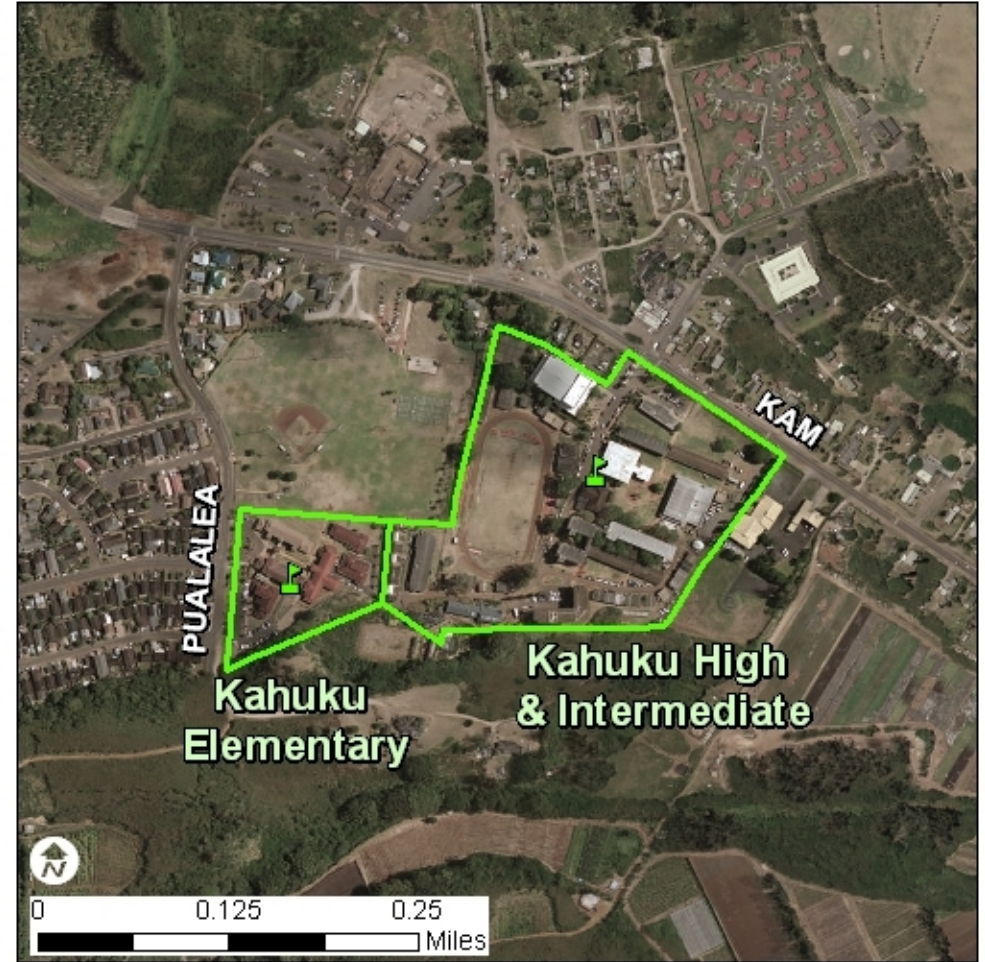
Waialua



Waialua High & Intermediate
 Special Health Needs / Pets
 67-160 Farrington Hwy.
 3,465 Shelter spaces.

Waialua Elementary
 Special Health Needs
 67-020 Waialua Beach Road
 220 Shelter spaces.

Kahuku



Kahuku High & Intermediate
 Special Health Needs / Pets
 56-490 Kamehameha Hwy
 4,681 Shelter spaces.

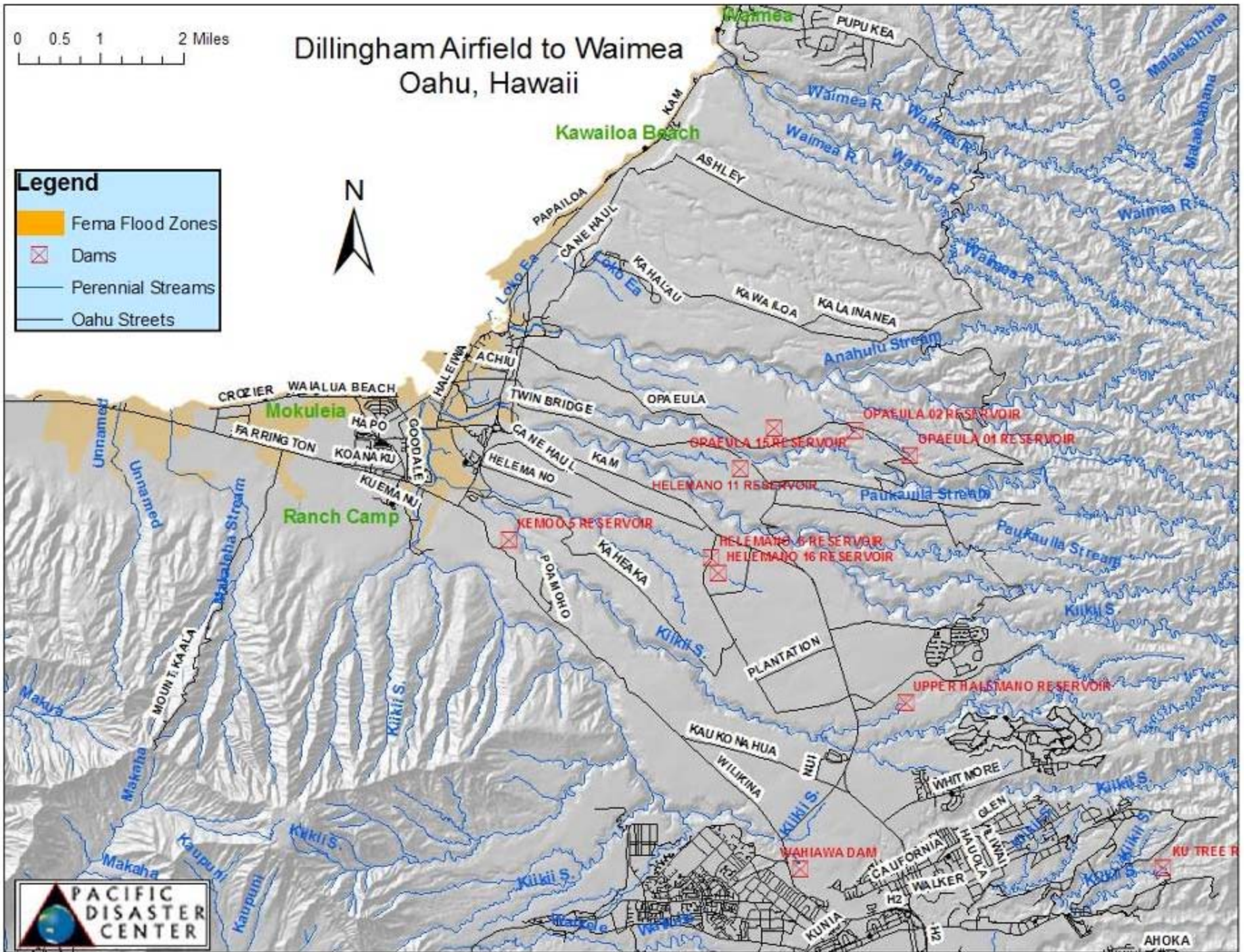
Kahuku Elementary
 56-170 Pualalea Street
 250 Shelter spaces.

Dillingham Airfield to Waimea Oahu, Hawaii

0 0.5 1 2 Miles

Legend

- Fema Flood Zones
- Dams
- Perennial Streams
- Oahu Streets



Kawaiiloa to Kahuku Oahu, Hawaii

Legend

- Fema Flood Zones
- Perennial Streams
- Oahu Streets



0 0.3 0.6 1.2 Miles

