





General Plan

Safety

Earthquake Fault Zones and Liquefaction Hazard Area

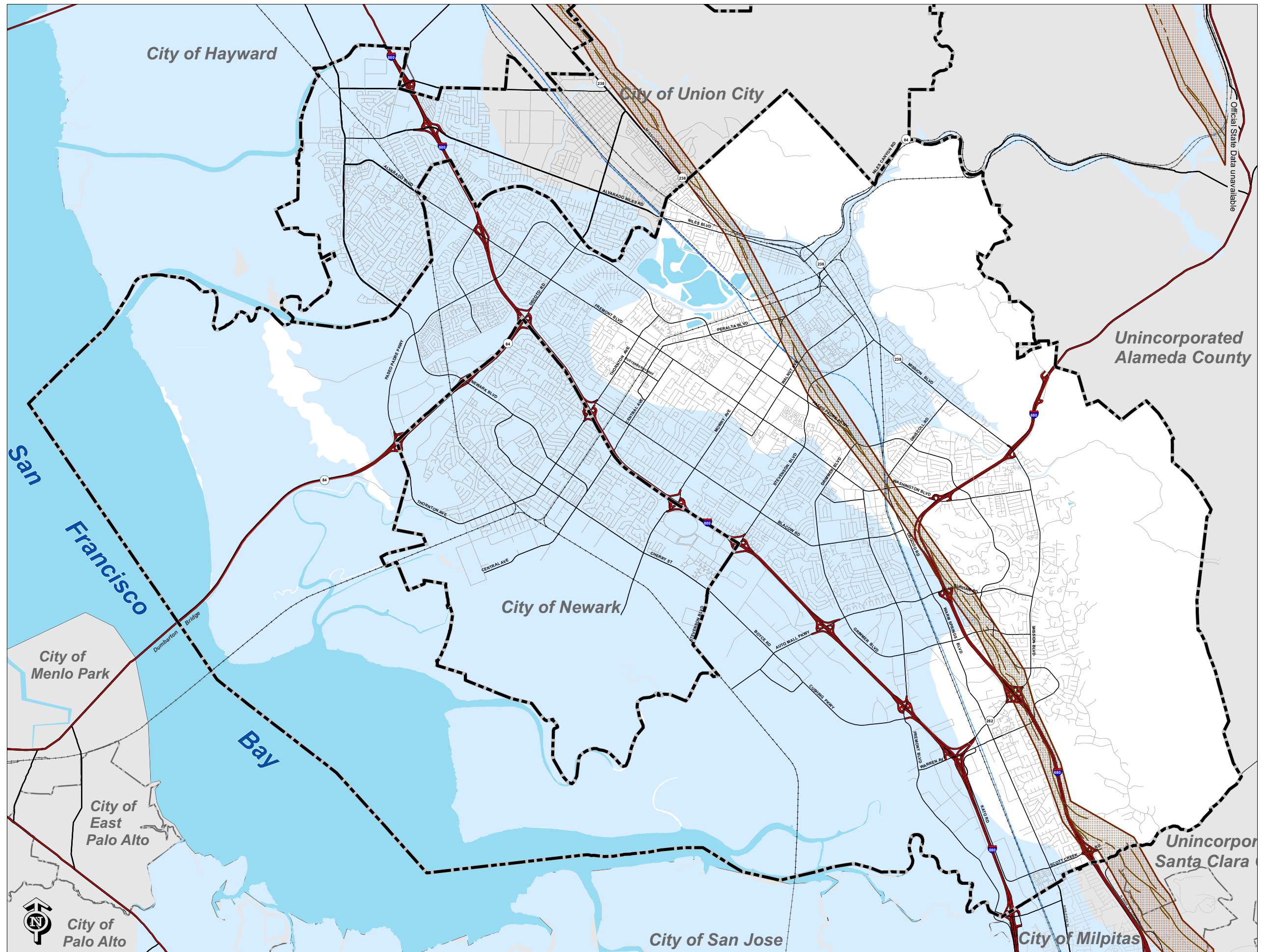
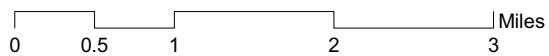
-  City Boundary
-  Earthquake Fault Zone
-  Fault Trace
-  Liquefaction Hazard Area

This Land Use Diagram illustrates Earthquake Fault Zones and Liquefaction Hazard Areas. These regulatory zones are established by the California State Geologist for use by local agencies when planning and regulating new or renewed construction where significant geologic or seismic hazards are likely to exist.

For more detailed information, contact the State of California Department of Conservation California Geological Survey.

The information conveyed on this map is dynamic and may have changed after this map was printed. Please consult the Planning Division or other appropriate agency for the most recent information or status.


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Landslide Hazard Area

City Boundary


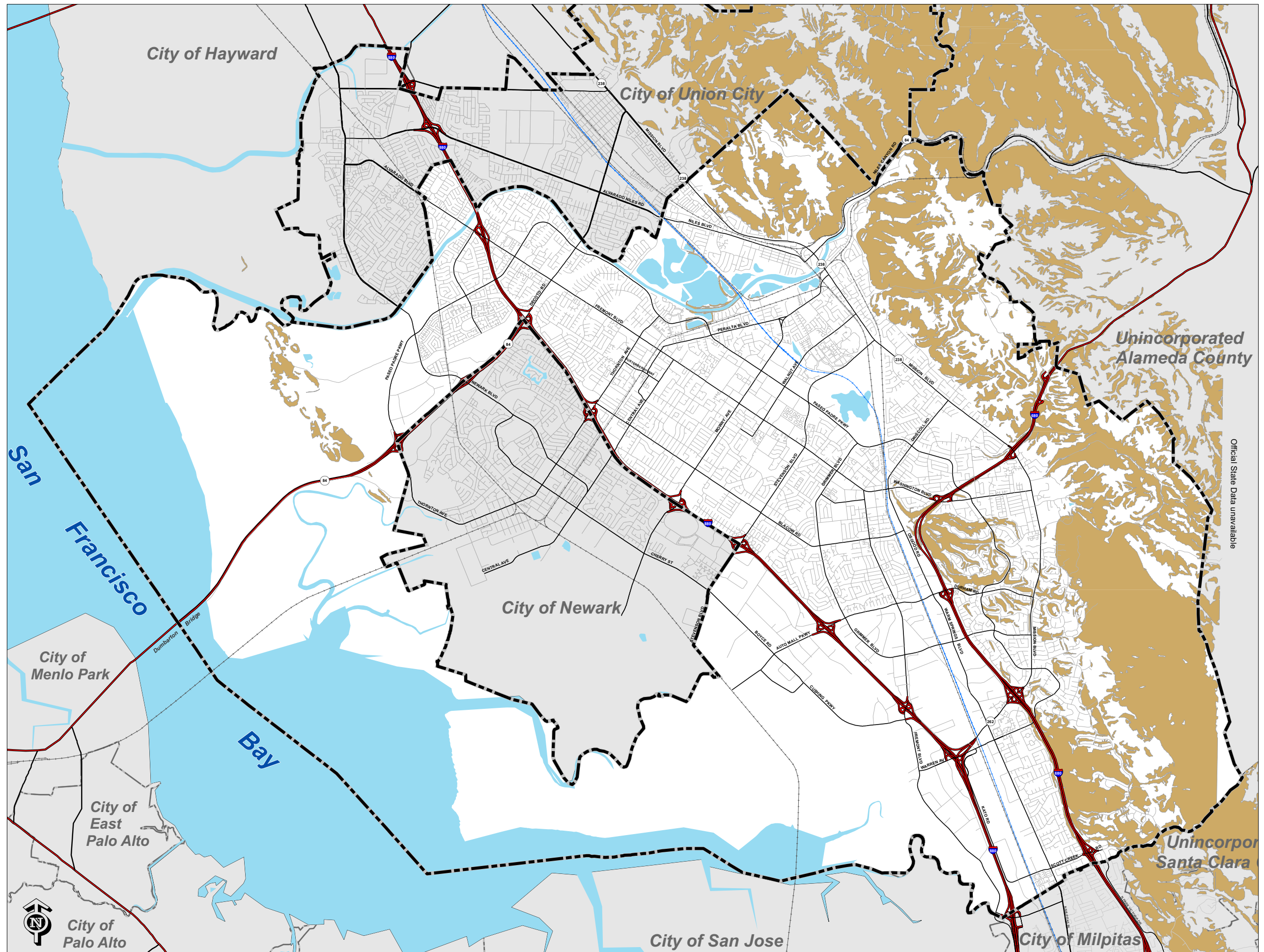
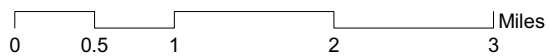
Landslide Hazard Area


This Land Use Diagram illustrates Landslide Hazard Areas. These regulatory zones are established by the California State Geologist for use by local agencies when planning and regulating new or renewed construction where significant geologic or seismic hazards are likely to exist.

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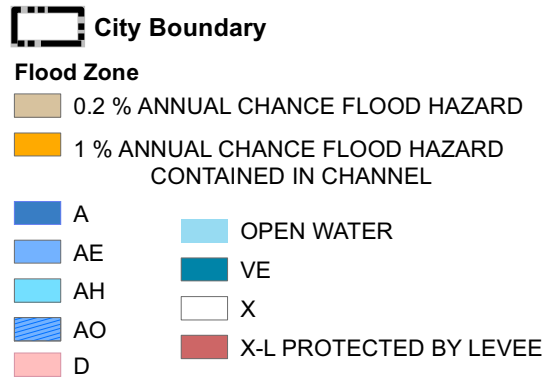


Official State Data unavailable

General Plan

Safety

2009 FEMA DFIRM Flood Hazard Data



The Federal Emergency Management Agency (FEMA) Digital Flood Insurance Rate Maps (DFIRM) designations shown on this map of the Tri-City area are listed below. Mandatory Flood Insurance purchase requirements apply to Zones A, AE, AH, & AO.

Zone A is the flood insurance rate zone used for 1-percent-annual-chance (base flood) floodplains that are determined for the Flood Insurance Study (FIS) by approximate methods of analysis.

Zones AE and A1-A30 are the flood insurance rate zones used for the 1-percent-annual-chance floodplains that are determined for the FIS by detailed methods of analysis.

Zone AH is the flood insurance rate zone used for areas of 1-percent-annual-chance shallow flooding with a constant water-surface elevation (usually areas of ponding) where average depths are between 1 and 3 feet.

AO zones are areas of sheet-flow shallow flooding where the potential runoff is less than 3.0 feet above an overtopped barrier crest ($\Delta R < 3.0$ feet). The sheet flow in these areas will either flow into another flooding source (AE zone), result in ponding (AH zone), or deteriorate because of ground friction and energy losses and merge into the X zone.

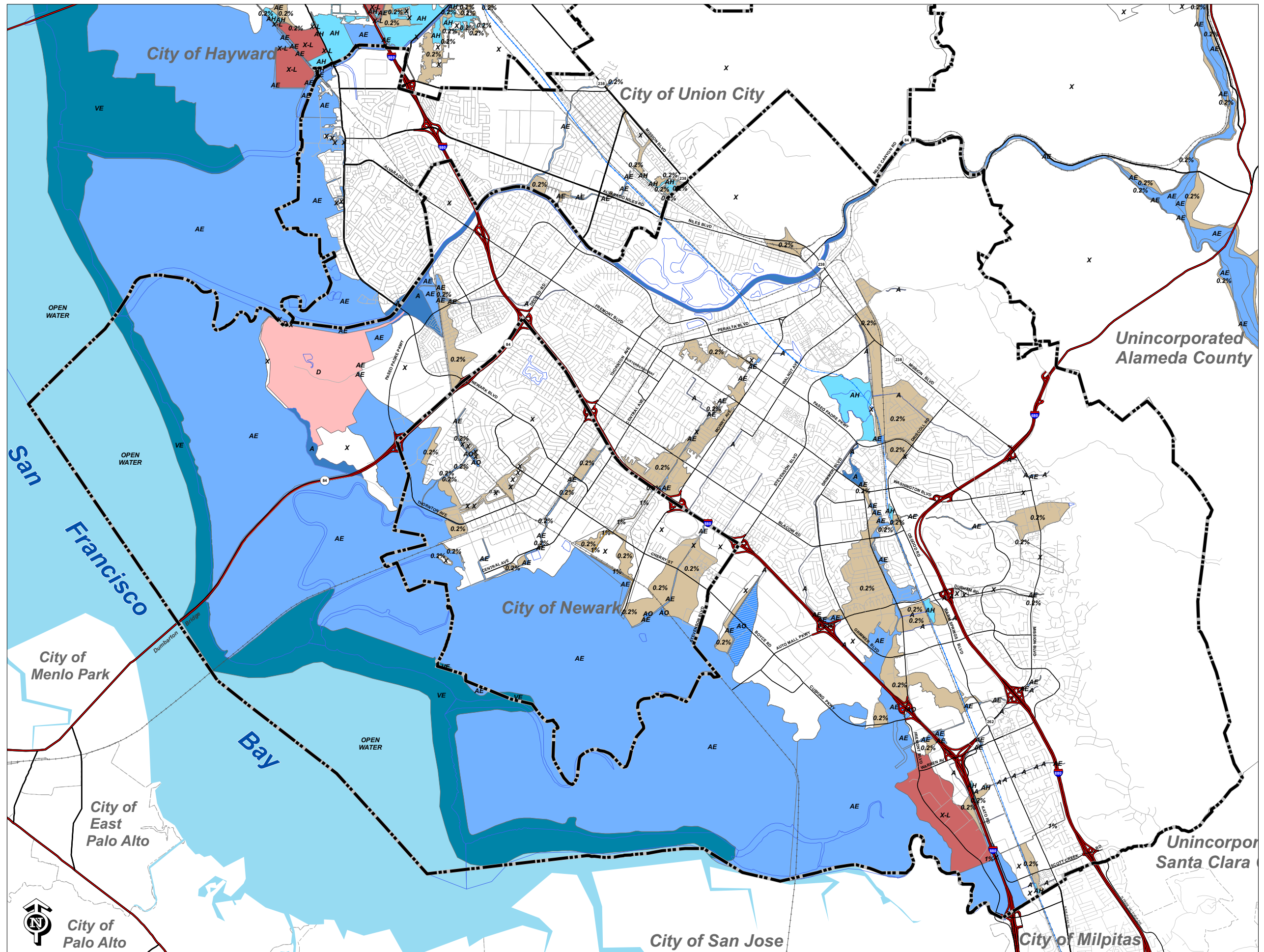
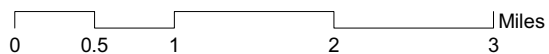
Zone X (shaded) are areas of 0.2-percent-annual-chance floodplain, areas of 1-percent-annual-chance (base flood) sheet flow flooding with average depths of less than 1 foot, areas of base flood stream flooding with a contributing drainage area of less than 1 square mile, or areas protected from the base flood by levees.

Zone X (unshaded) are flood insurance rate zones used for areas outside the 0.2-percent-annual-chance floodplain.

Zone D designations are used for areas where there are possible but undetermined flood hazards. Flood insurance is optional and available, and the flood insurance rates for properties in Zone D are commensurate with the uncertainty of the flood risk.

VE zones are coastal high hazard areas where wave action and/or high-velocity water can cause structural damage during the base flood.

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General Plan

Safety

Dam Failure Inundation Areas

 City Boundary
  Water feature

Dam Failure Inundation Areas

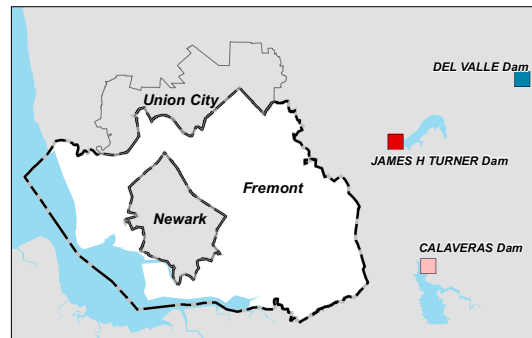
If multiple reservoirs are listed under one color, the area shown with that color will be inundated if ANY listed dam fails; it does not imply that all dams must fail concurrently to inundate the area shown.

-  Calaveras
-  Del Valle
-  Turner
-  Calaveras/Turner
-  Calaveras/Del Valle
-  Del Valle/Turner
-  Calaveras/Turner/Del Valle

This map shows the maximum extent of damage of a flood wave emanating from dam failure. The map does not indicate or imply the probability of such an event occurring.

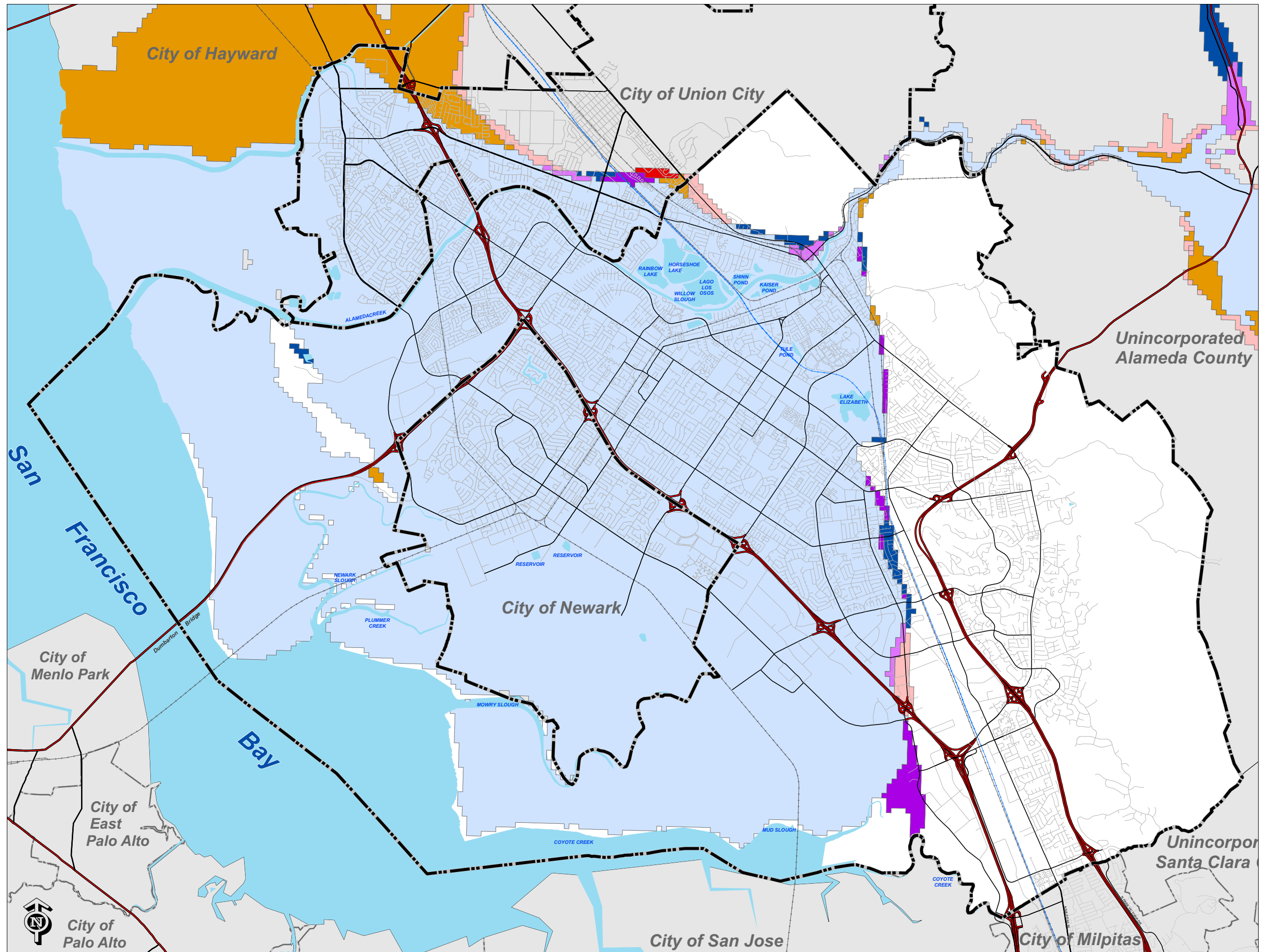
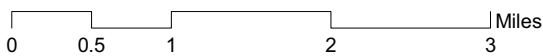
This hazard map is generalized from maps dam owners are required to prepare and file with the California State Office of Emergency Services. The current version of this map is available on the Internet at <http://www.abag.ca.gov>

Source: Association of Bay Area Governments (ABAG), 1995



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General Plan

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Fire Hazard Severity Zones

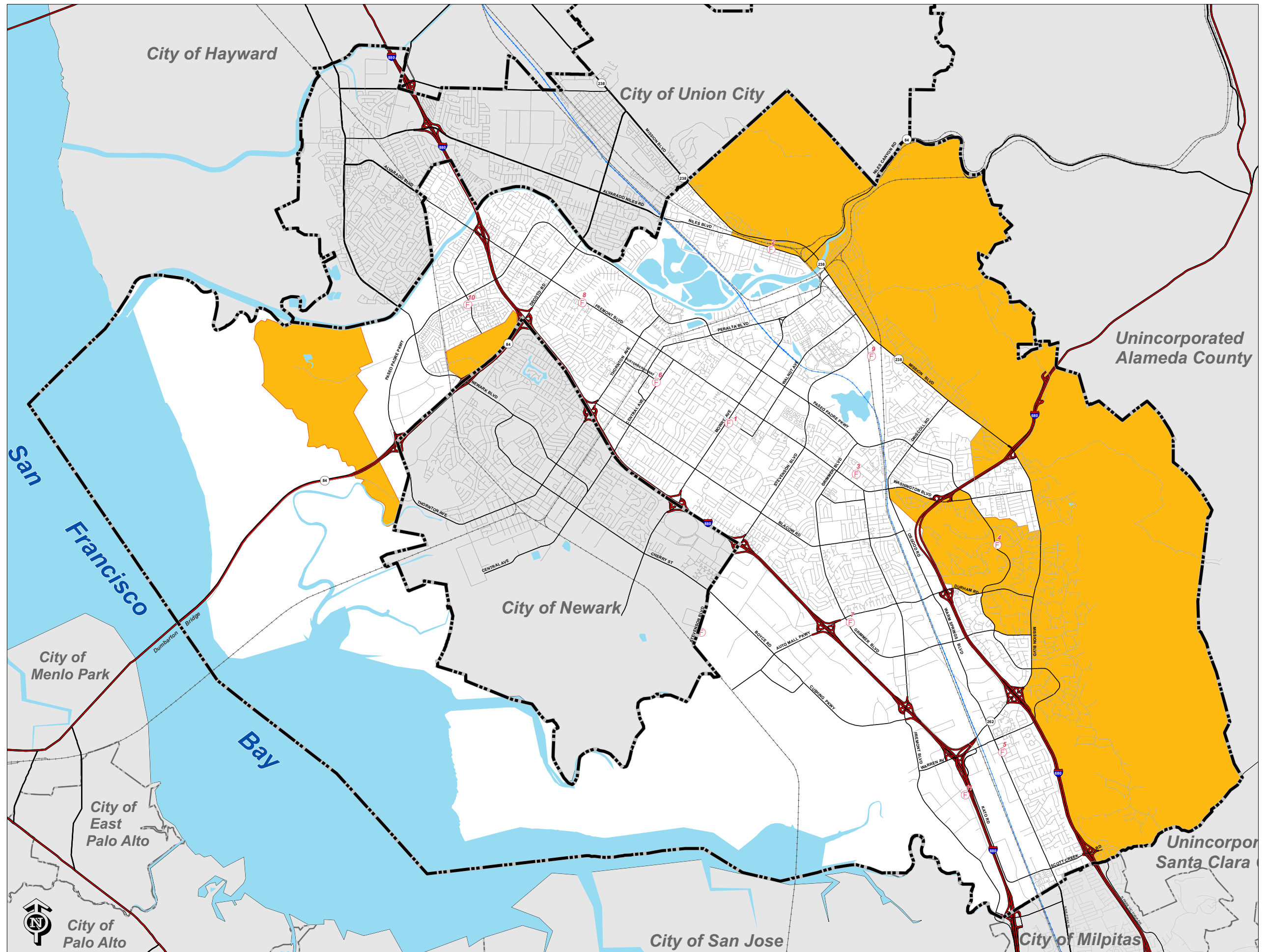
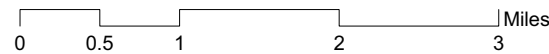
-  City Boundary
-  Fire Hazard Severity Zones
-  Fire Station

This diagram illustrates the Fire Hazard Severity Zones and firestation locations within the City of Fremont.

Fire Hazard Severity Zones are designated in certain areas of the City due to higher exposure to wildfires and limited Fire Department access. All new construction, additions, and re-roofing materials for buildings in these areas must be fire-resistant.

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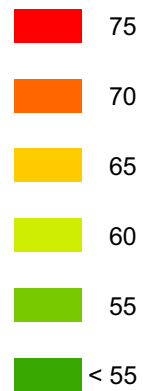
2030 Traffic Noise Contours

City Boundary



Noise Level

Ldn dB(A)



Source: Illingsworth & Rodkin, 2011

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