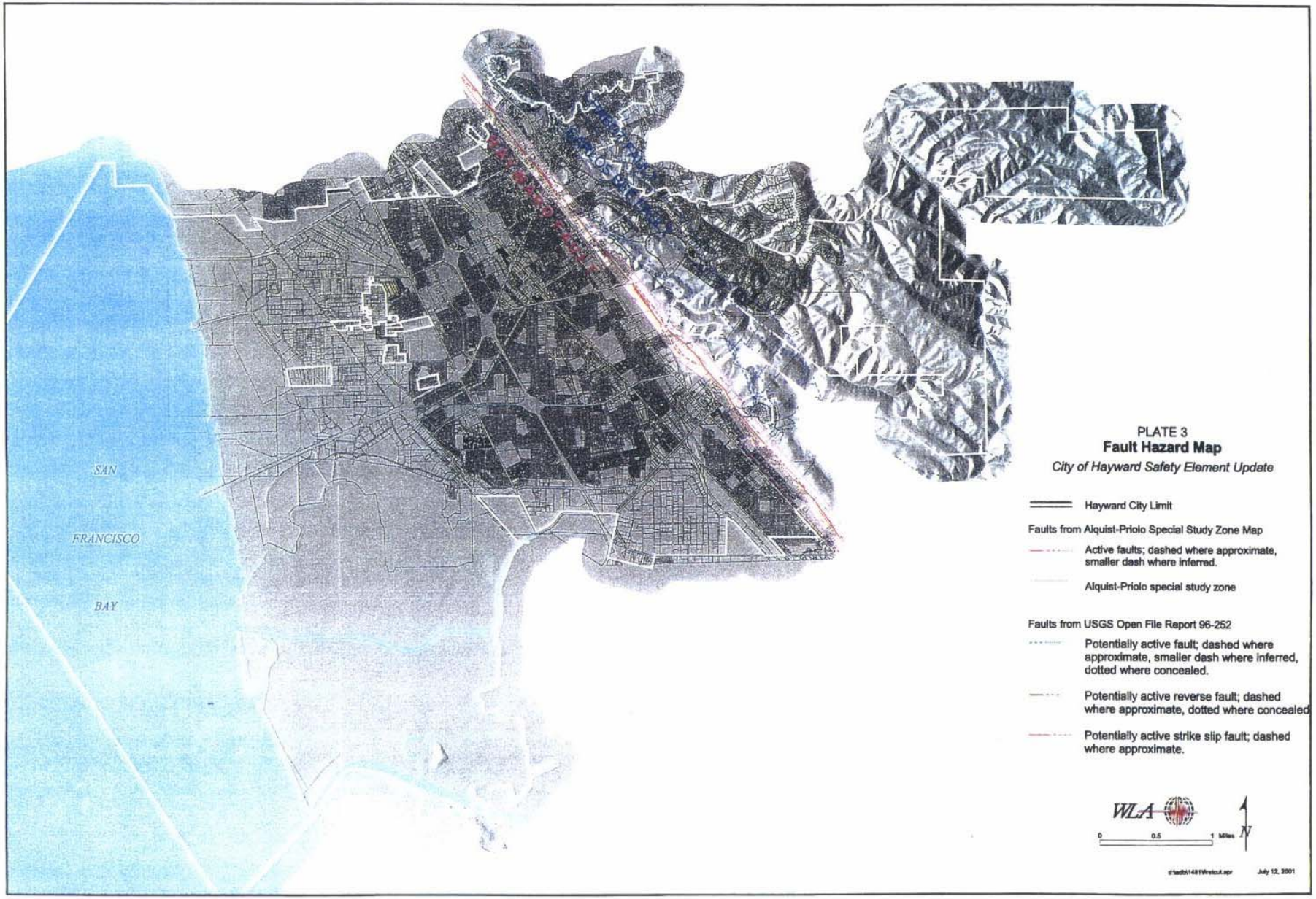
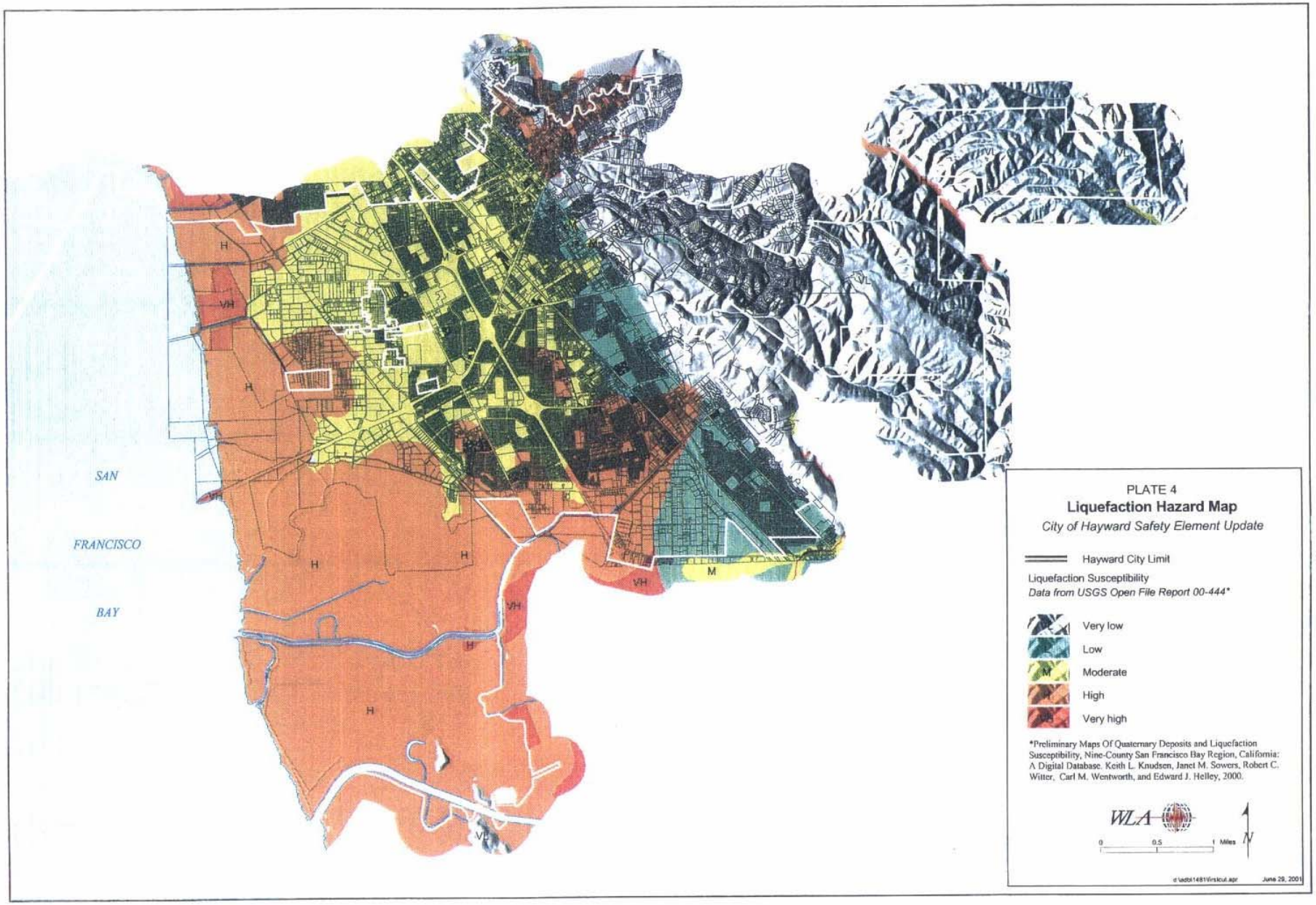
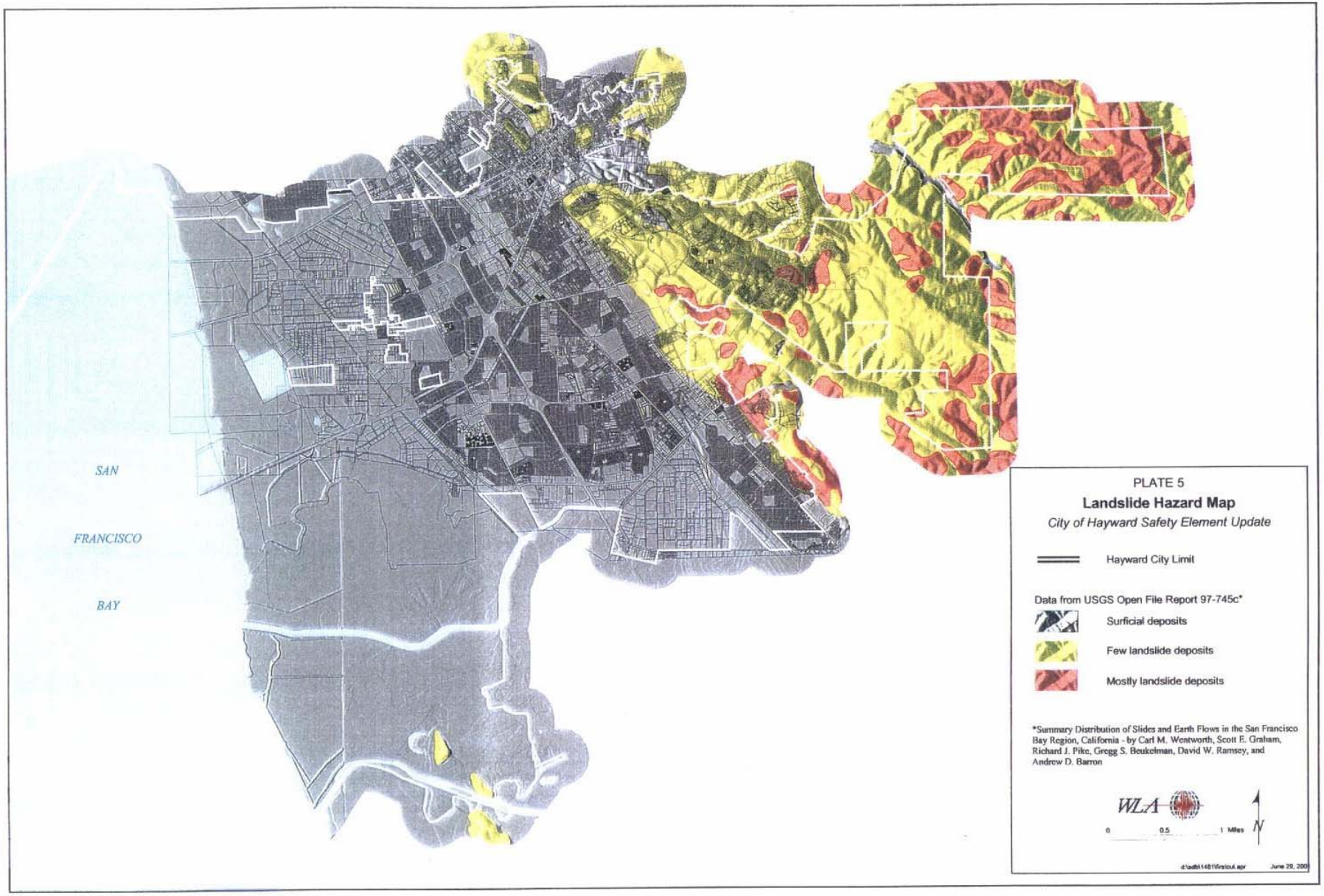
Appendix L

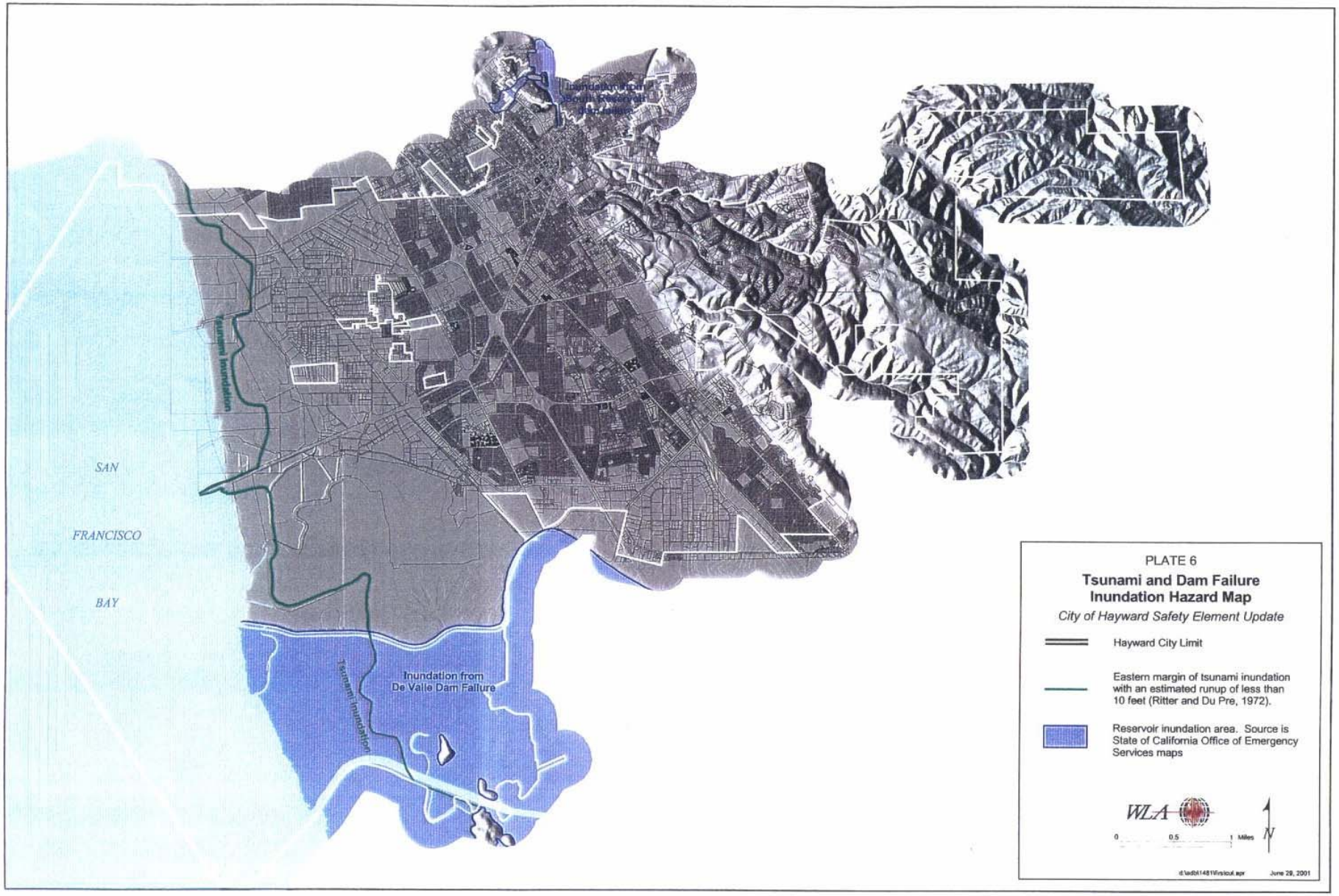
Geologic and Seismic Hazards Maps

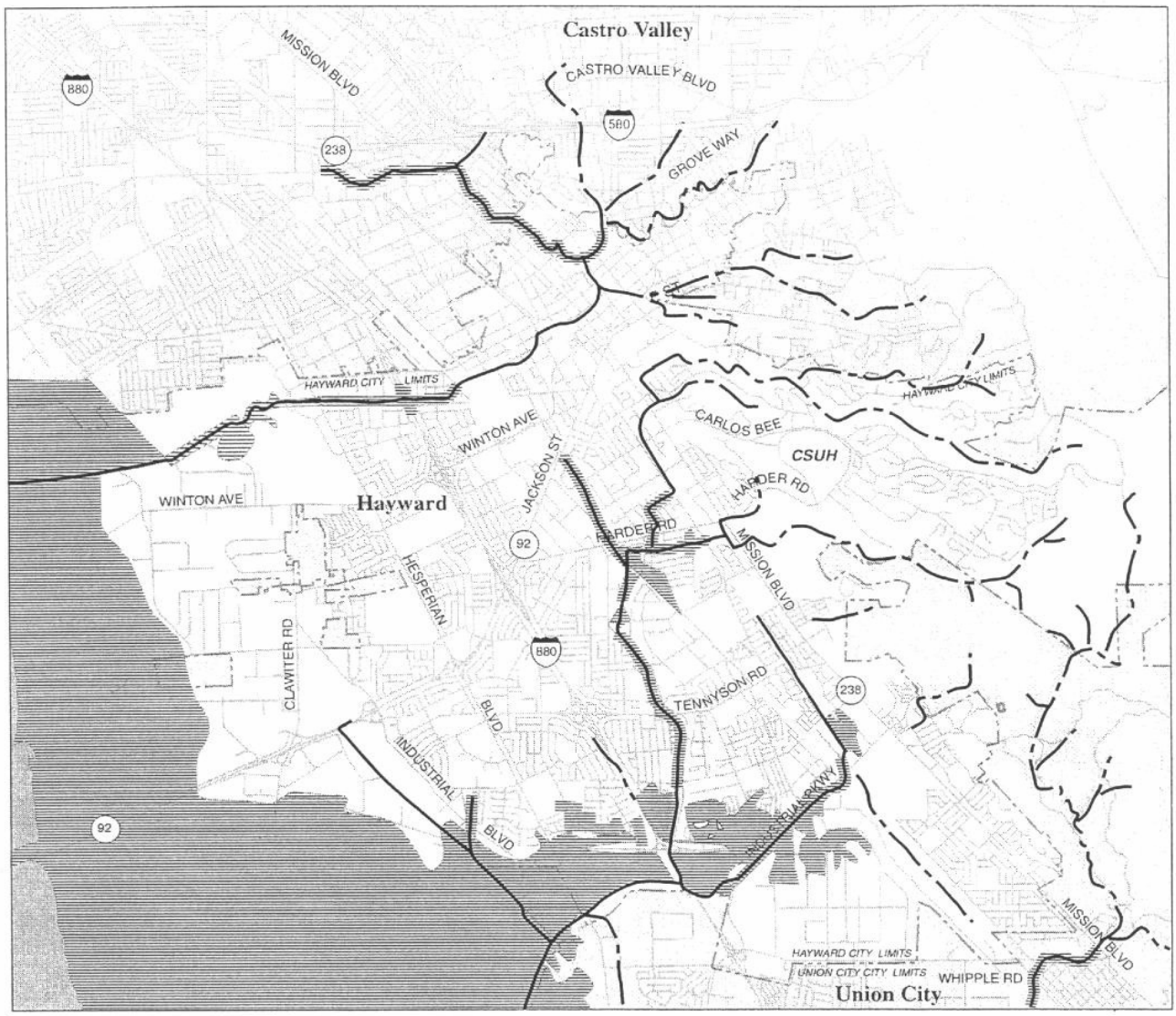
- Fault Hazard Map
- Liquefaction Hazard Map
- Landslide Hazard Map
- Tsunami and Dam Failure Inundation Hazard Map
- Drainage and Flood Hazard Map


SAN
FRANCISCO
BAY
PLATE 3
Fault Hazard Map
City of Hayward Safety Element Update
Hayward City Limit
Faults from Alquist-Priolo Special Study Zone Map
Active faults; dashed where approximate, smaller dash where inferred.
Alquist-Priolo special study zone
Faults from USGS Open File Report 96-252
Potentially active fault; dashed where approximate, smaller dash where inferred, dotted where concealed.
Potentially active reverse fault; dashed where approximate, dotted where concealed
Potentially active strike slip fault; dashed where approximate.
WLA
0
0.5
1 Miles
N
July 12, 2001


SAN
FRANCISCO
BAY
H
VH
M
VL
PLATE 4
Liquefaction Hazard Map
City of Hayward Safety Element Update
Hayward City Limit
Liquefaction Susceptibility
Data from USGS Open File Report 00-444*
Very low
Low
Moderate
High
Very high
*Preliminary Maps Of Quaternary Deposits and Liquefaction Susceptibility, Nine-County San Francisco Bay Region, California: A Digital Database. Keith L. Knudsen, Janet M. Sowers, Robert C. Witter, Carl M. Wentworth, and Edward J. Helley, 2000.
WLA
0
0.5
1 Miles
N
June 29, 2001


SAN
FRANCISCO
BAY
PLATE 5
Landslide Hazard Map
City of Hayward Safety Element Update
Hayward City Limit
Data from USGS Open File Report 97-745c*
Surficial deposits
Few landslide deposits
Mostly landslide deposits
*Summary Distribution of Slides and Earth Flows in the San Francisco Bay Region, California - by Carl M. Wentworth, Scott E. Graham, Richard J. Pike, Gregg S. Beukelman, David W. Ramsey, and Andrew D. Barron
WLA
0
0.5
1 Miles
N
June 29, 2001


SAN
FRANCISCO
BAY
Tsunami Inundation
Tsunami Inundation
Inundation from
De Valle Dam Failure
PLATE 6
Tsunami and Dam Failure
Inundation Hazard Map
City of Hayward Safety Element Update
Hayward City Limit
Eastern margin of tsunami inundation with an estimated runup of less than 10 feet (Ritter and Du Pre, 1972).
Reservoir inundation area. Source is State of California Office of Emergency Services maps
WLA
0
0.5
1 Miles
N
June 29, 2001



Natural Drainage Channel

Engineered Channel/Culvert

Flooding (100 yr.)

0 1 Mile

SOURCE: FEMA, USGS

Drainage and Flooding