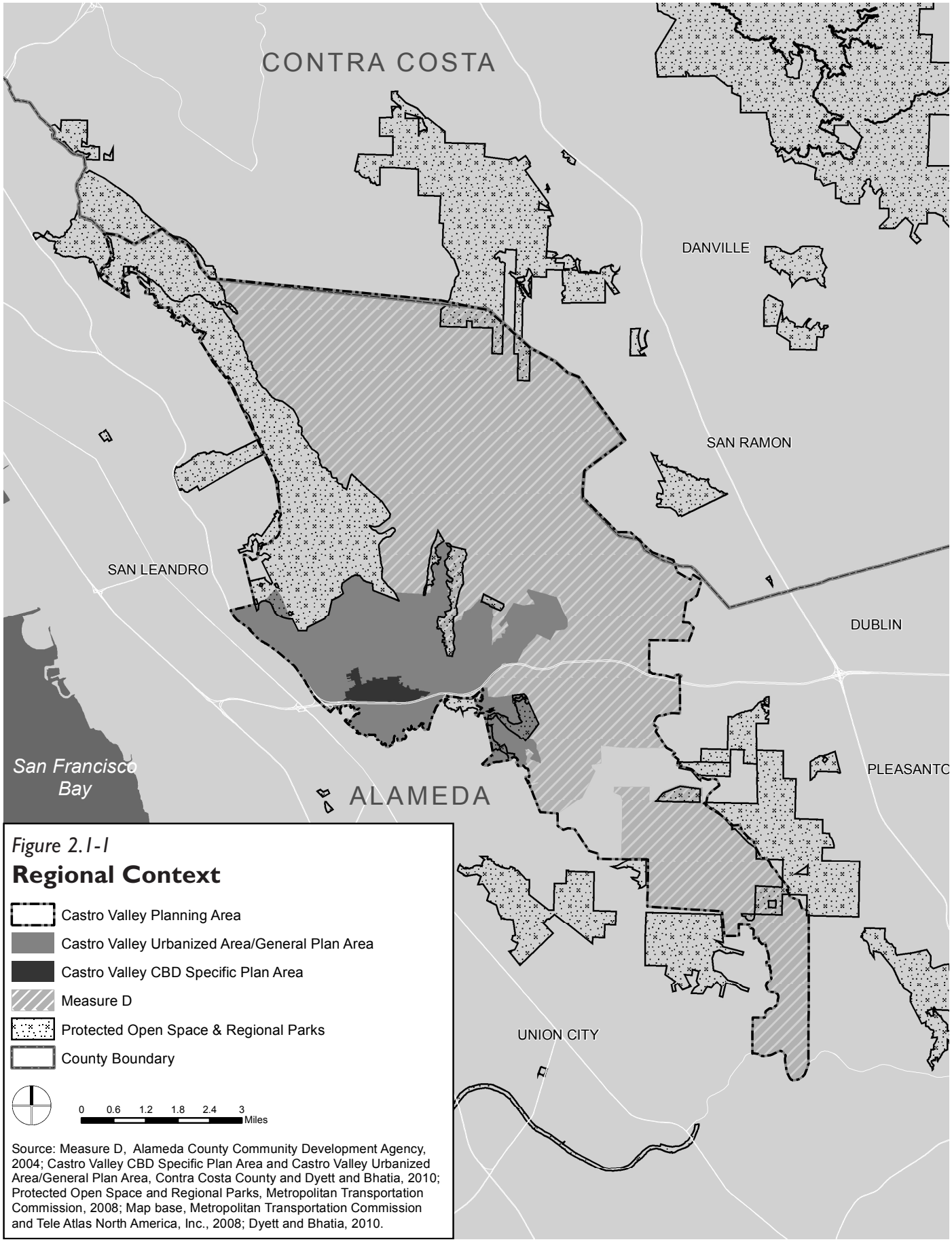
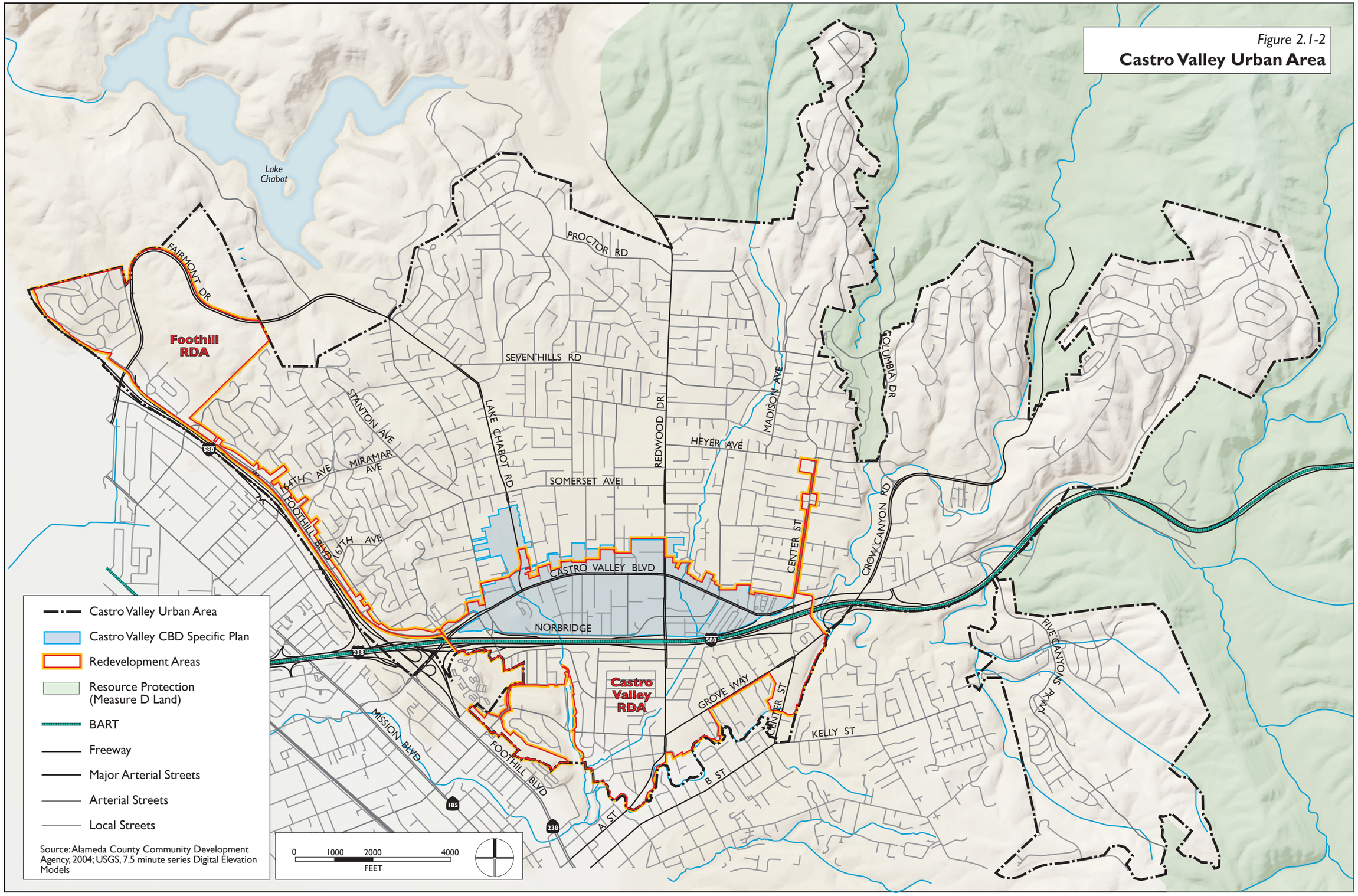


Figure 2.1-1

Regional Context

Source: Measure D, Alameda County Community Development Agency, 2004; Castro Valley CBD Specific Plan Area and Castro Valley Urbanized Area/General Plan Area, Contra Costa County and Dyett and Bhatia, 2010; Protected Open Space and Regional Parks, Metropolitan Transportation Commission, 2008; Map base, Metropolitan Transportation Commission and Tele Atlas North America, Inc., 2008; Dyett and Bhatia, 2010.



Source: Alameda County Community Development Agency, 2004; USGS, 7.5 minute series Digital Elevation Models

Figure 2.1-2
Castro Valley Urban Area

Figure 3.1-1

Existing Land Use

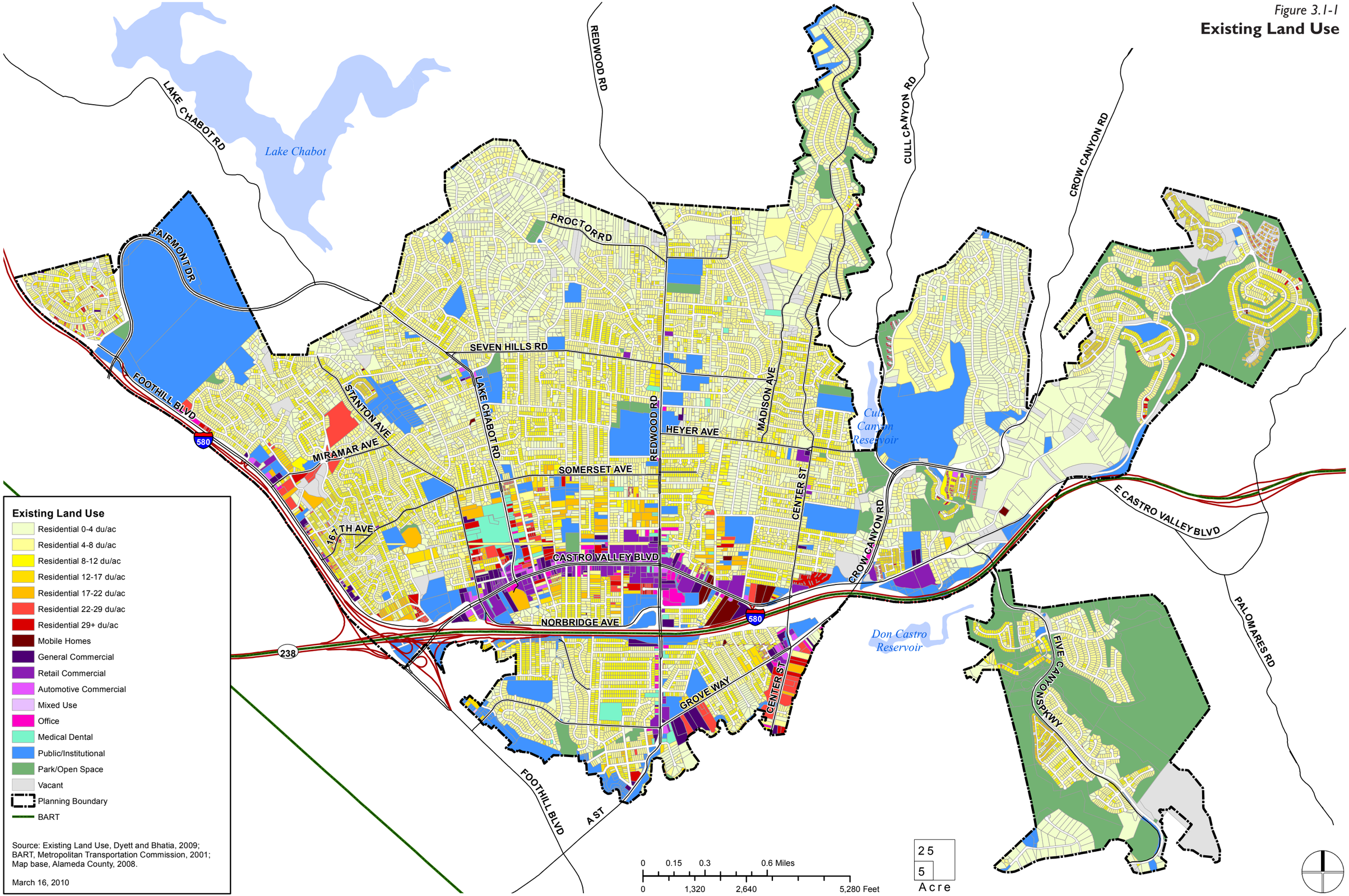


Figure 2.3-1

Proposed Land Use

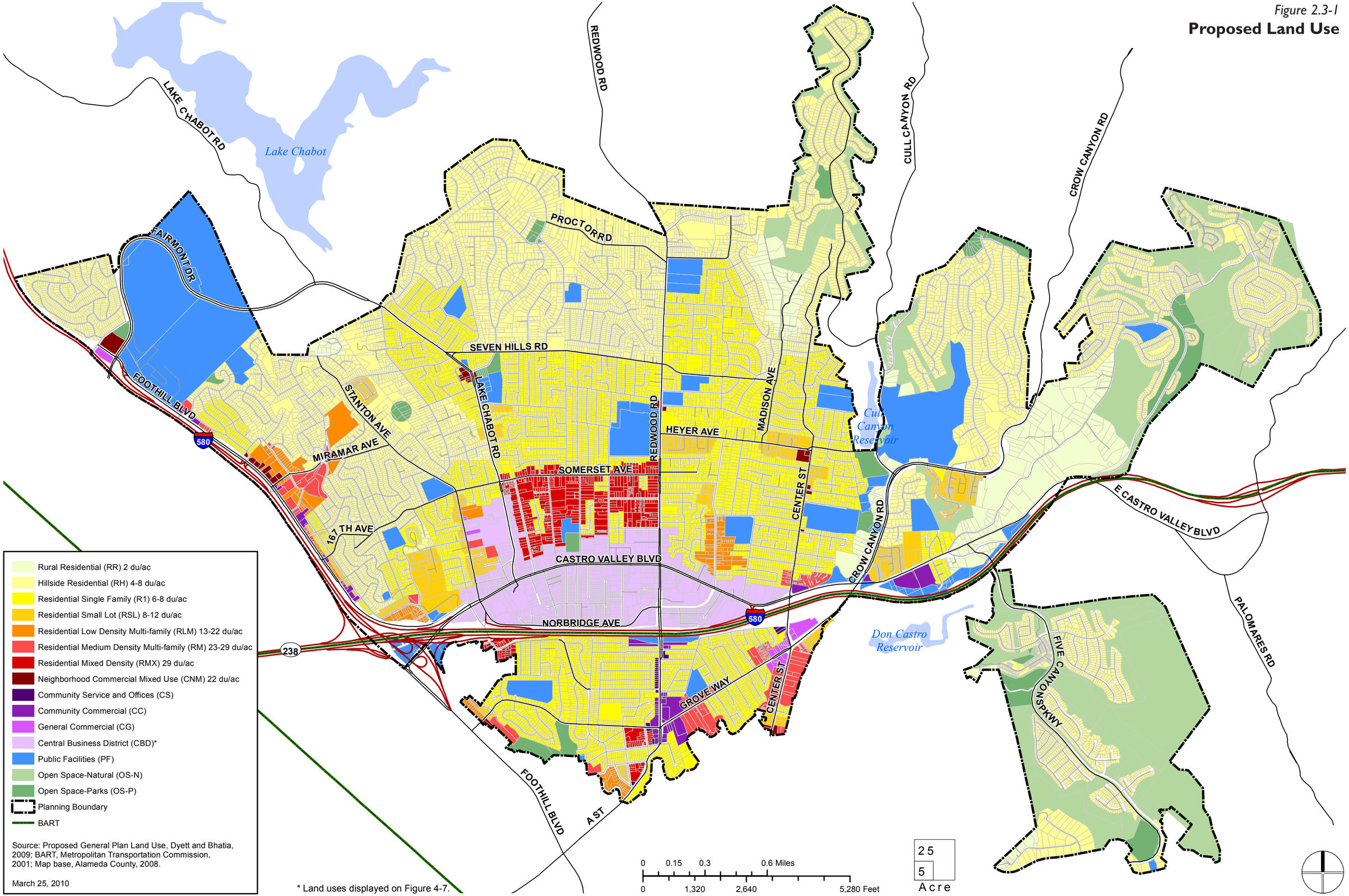


Figure 3.4-1:

Local Streets, Traffic Volumes, and Classifications

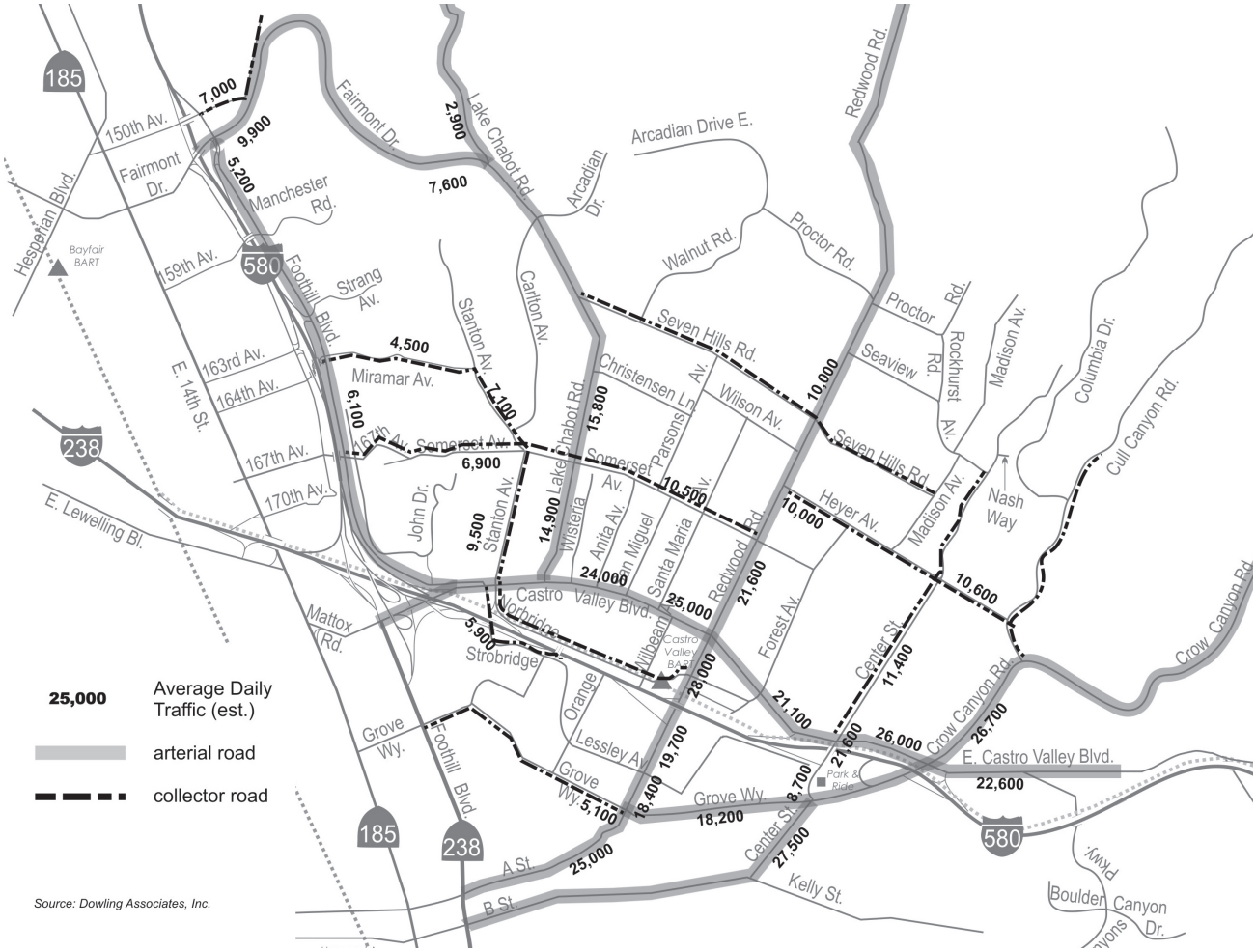


Figure 3.4-2:

Existing Transit Network and Facilities

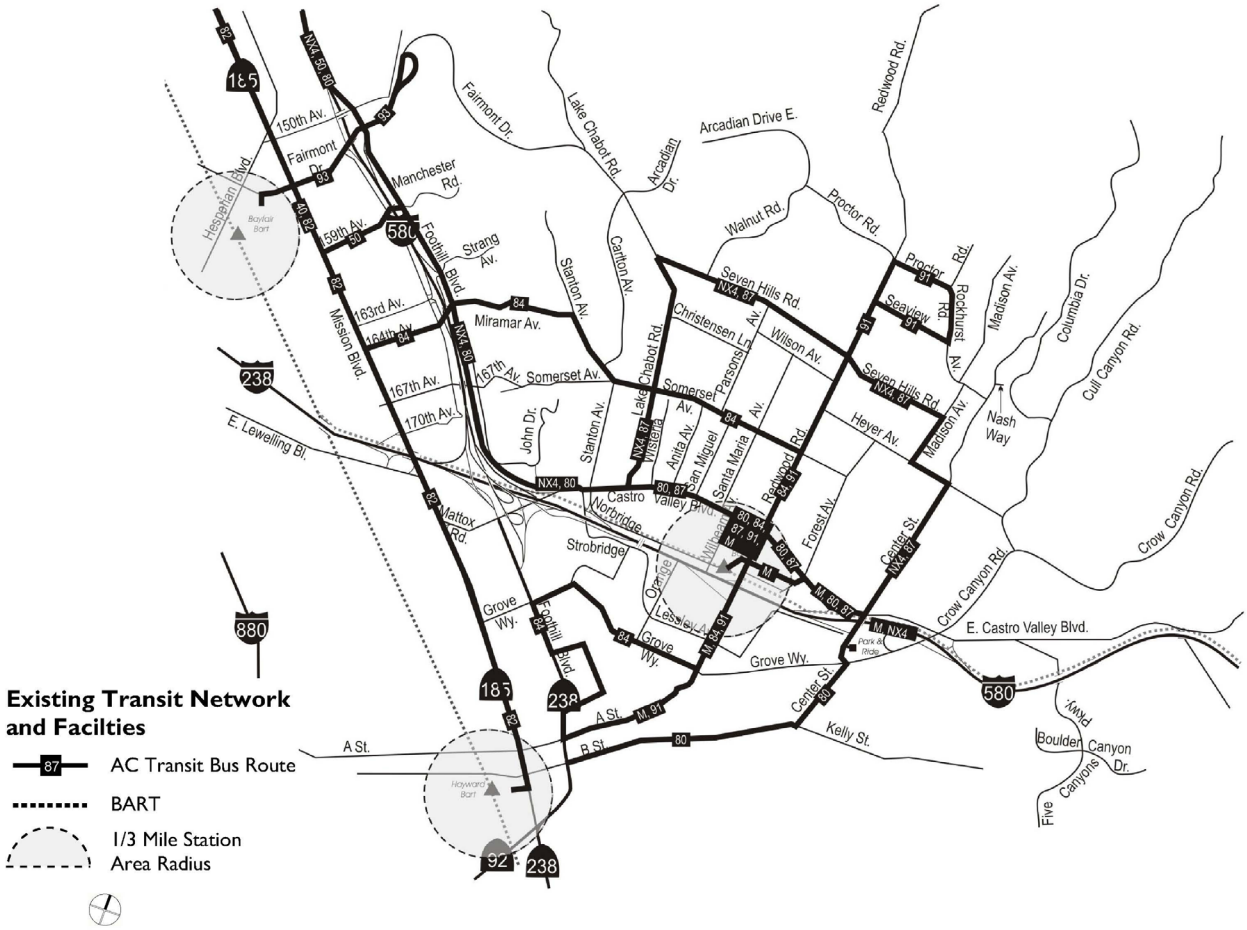
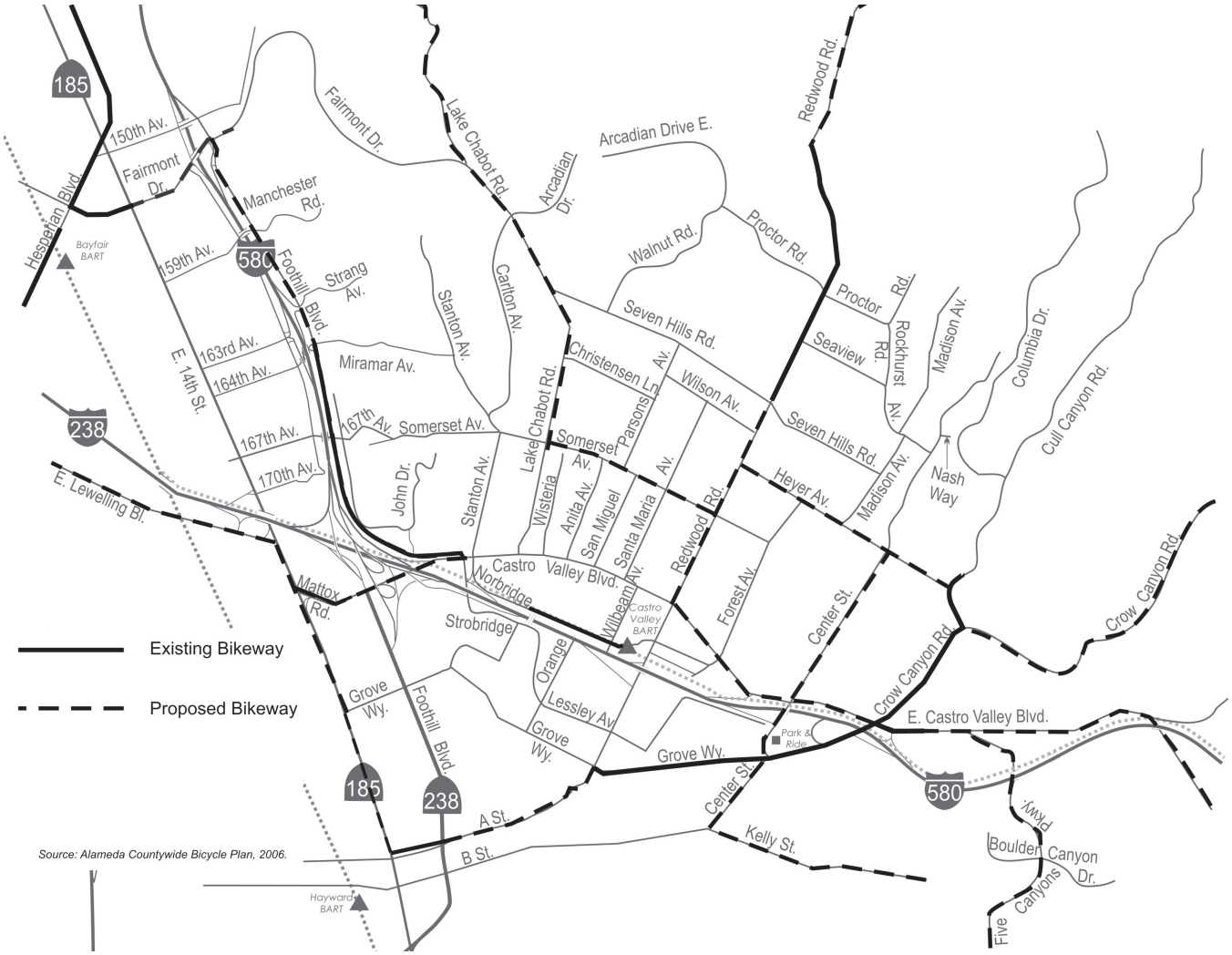


Figure 3.4-3:

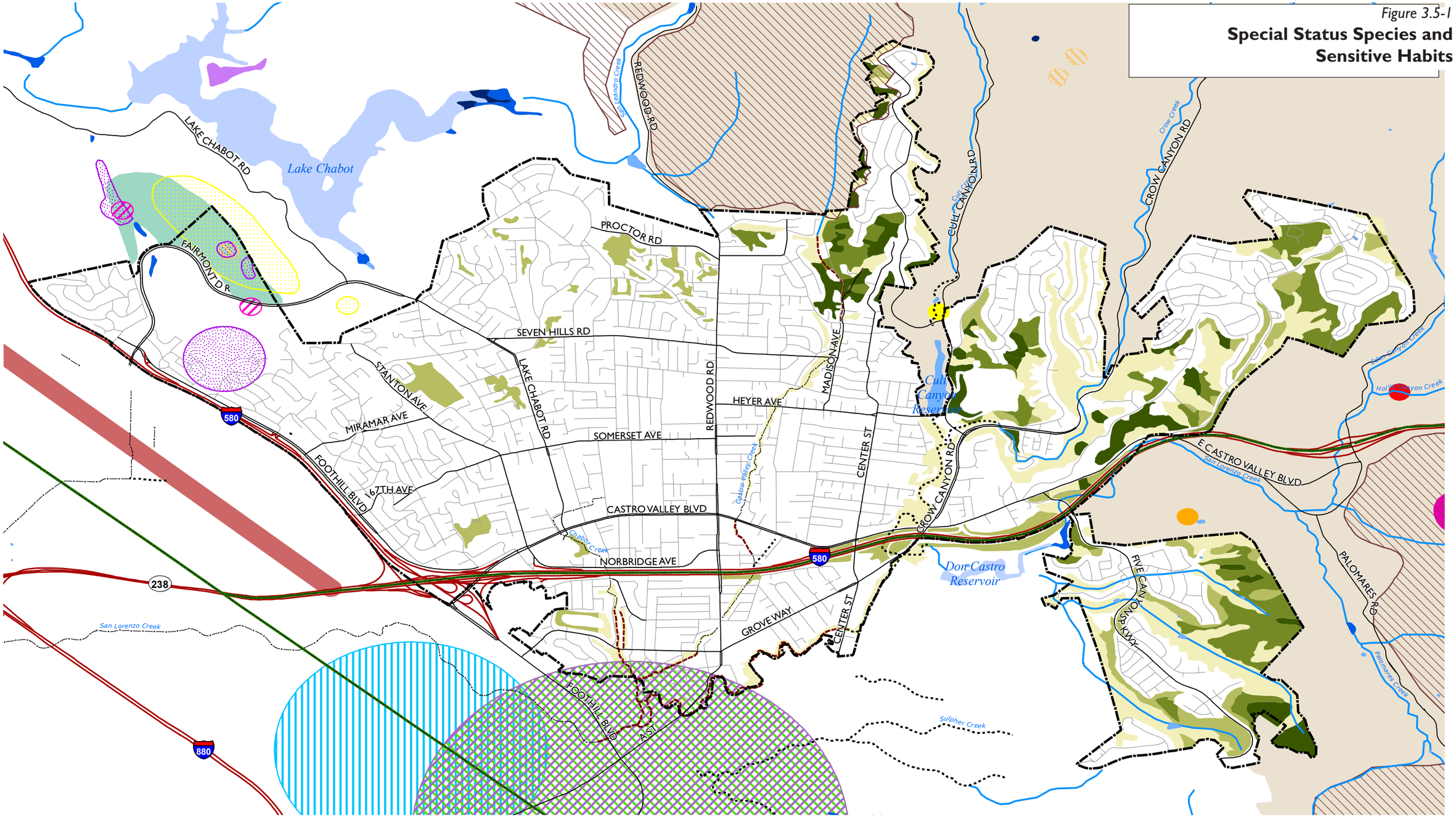
Bicycle Network



Source: Alameda Countywide Bicycle Plan, 2006.

Figure 3.5-1

Special Status Species and Sensitive Habits



Special Status Species

- California Red-Legged Frog
- Great Blue Heron
- Lum's Micro-Blind Harvestman
- Pallid Bat
- San Francisco Dusky-Footed Woodrat
- Western Mastiff Bat
- Yellow Warbler
- Big-Scale Balsamroot
- Congdon's Tarplant
- Diablo Helianthella
- Fragrant Fritillary
- Robust Monardella
- Santa Cruz Tarplant

Sensitive Habitats

- Coastal Scrub / Wildlife Corridor
- Grassland / Wildlife Corridor
- Non-native Dominant Habitat
- Oak Riparian Woodland/ Wildlife Corridor
- Valley Needlegrass Grassland
- Freshwater Emergent Wetland
- Freshwater Forested/ Shrub Wetland
- Freshwater Pond
- Lake

Protection Areas

- Alameda Whipsnake Critical Area
- Measure D

- Concrete Channel
- Earth Channel
- Improved Channel
- Natural Creeks
- Planning Boundary

Source: Hydrology and Measure D, Alameda County, 2008; Alameda Whipsnake Critical Area, United States Fish and Wildlife, 2006; California Natural Diversity Database, California Department of Fish and Game, 2010; BART, Metropolitan Transportation Commission, 2001; Digital Elevation Model, United States Geological Survey, 1999; Map base, Alameda County, 2008.

March 16, 2010

0 0.25 0.5 1 Miles

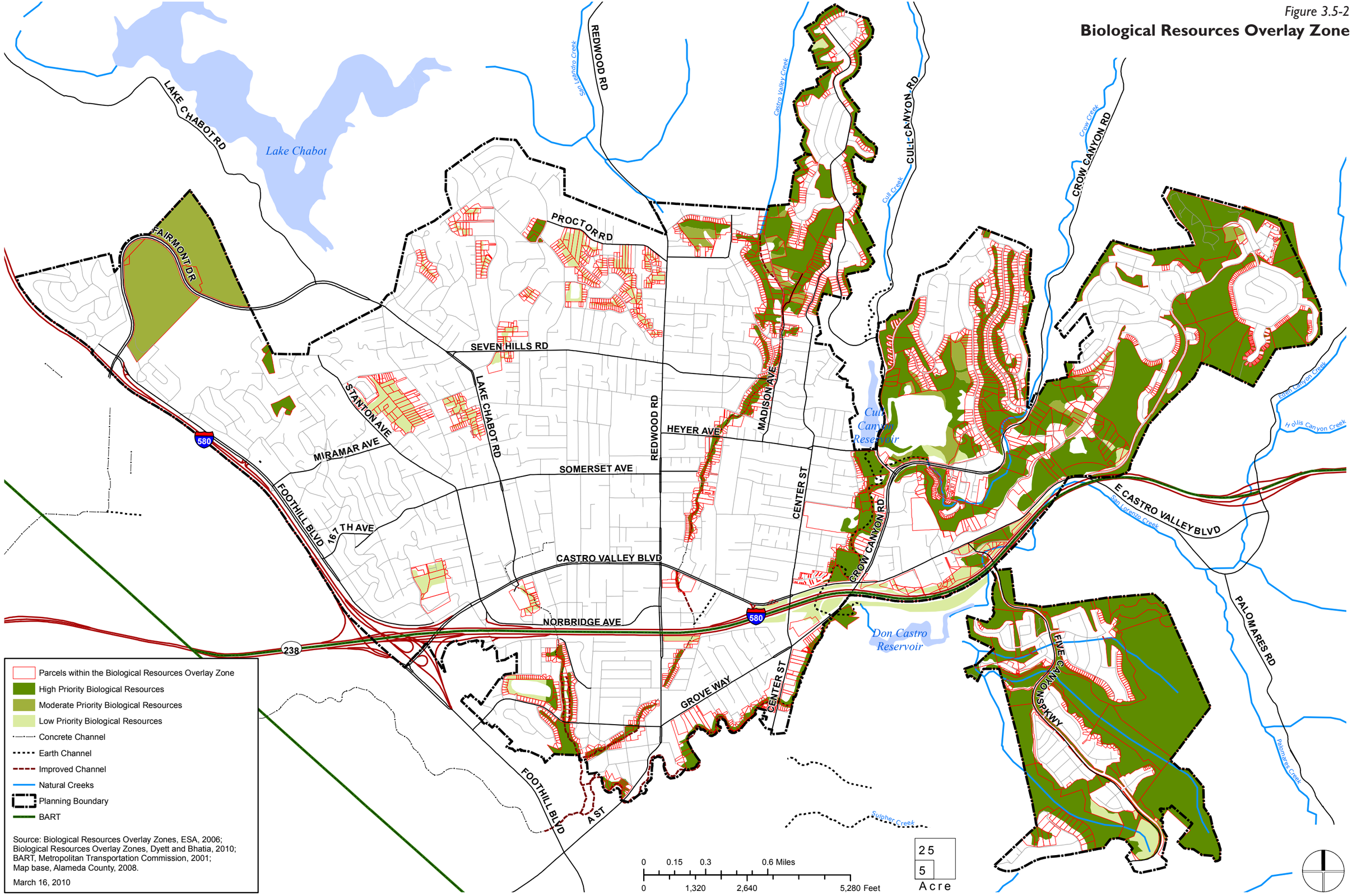
0 1,320 2,640 5,280 Feet

2 5
5
Acre

*Alameda Whipsnake potential habitat covers the entire map area.

Figure 3.5-2

Biological Resources Overlay Zone



Source: Biological Resources Overlay Zones, ESA, 2006; Biological Resources Overlay Zones, Dyett and Bhatia, 2010; BART, Metropolitan Transportation Commission, 2001; Map base, Alameda County, 2008.

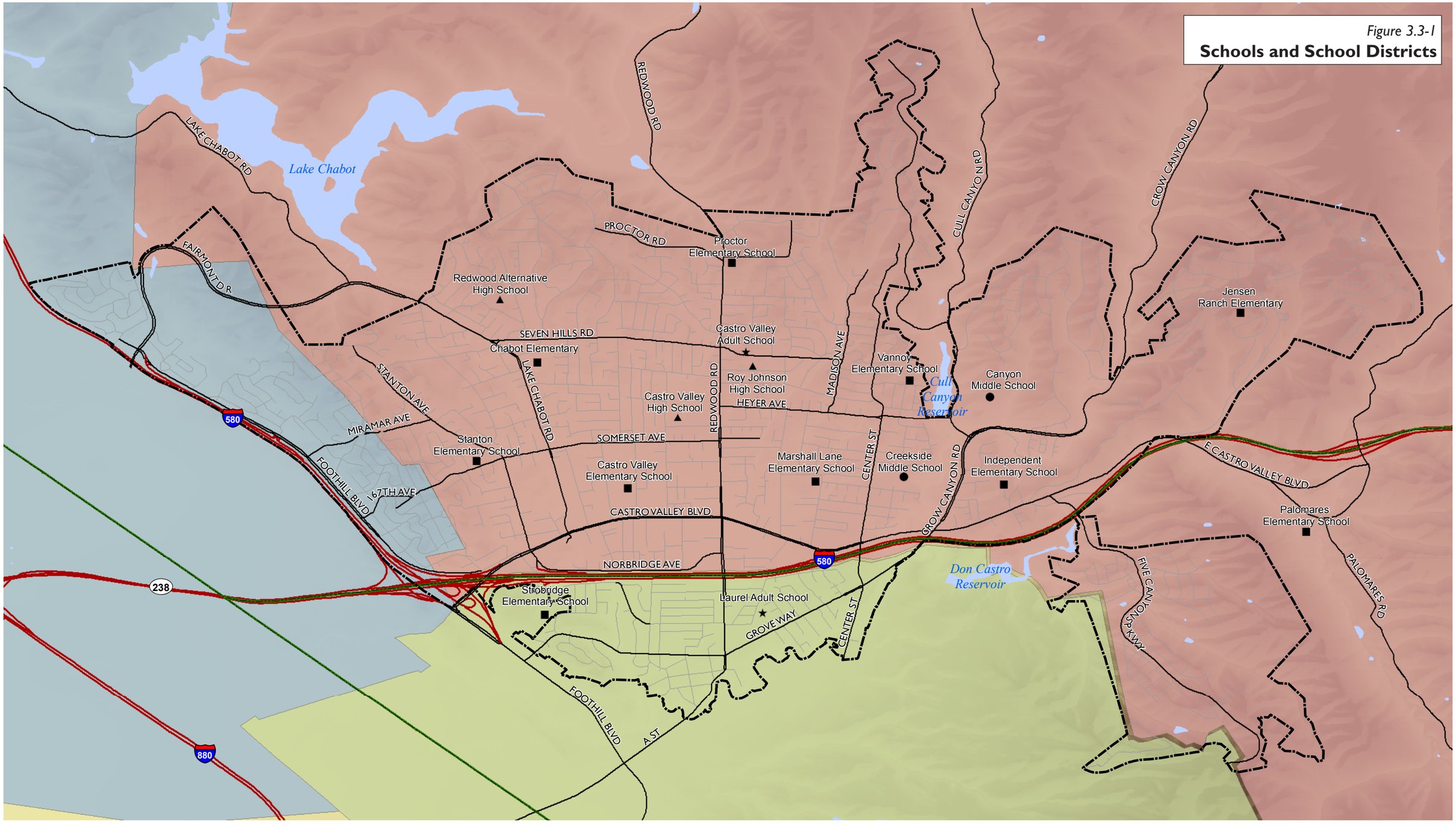
March 16, 2010

Figure 3.2-1

Parks and Community Facilities

Figure 3.3-1

Schools and School Districts



School District

- Castro Valley Unified
- Hayward Unified
- San Lorenzo Unified

School Type

- Elementary School
- Middle School
- High School
- Adult School

- Planning Boundary
- BART

Source: School Type, Tele Atlas North America, Inc., 2008; School District, United States Census Bureau, 2008; School District, United States Census Bureau, Dyett and Bhatia, 2009; BART, Metropolitan Transportation Commission, 2001; Digital Elevation Model, United States Geological Survey, 2009; Map base, Alameda County, 2008.

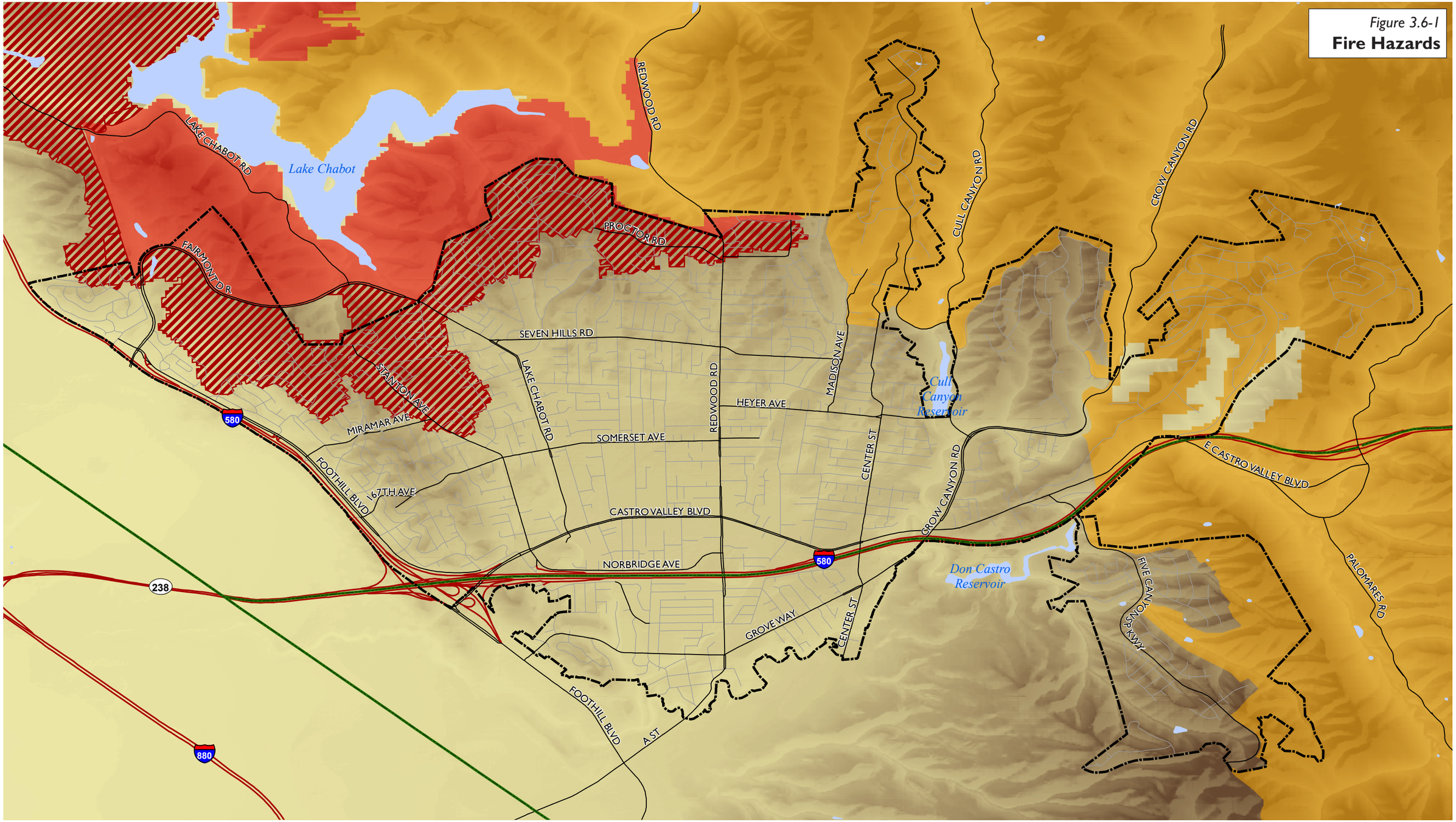
March 16, 2010

0 0.25 0.5 1 Miles

0 1,320 2,640 5,280 Feet

2 5
5
Acre

Figure 3.6-1
Fire Hazards



Local Responsibility Areas (LRA)
- Very High

State Responsibility Areas (SRA)
- Very High
- High
- Moderate

- Planning Boundary
- BART

Source: Fire Responsibility Area, California Department of Forestry and Fire Protection, 2007-8; BART, Metropolitan Transportation Commission, 2001; Digital Elevation Model, United States Geological Survey, 2009; Map base, Alameda County, 2008.

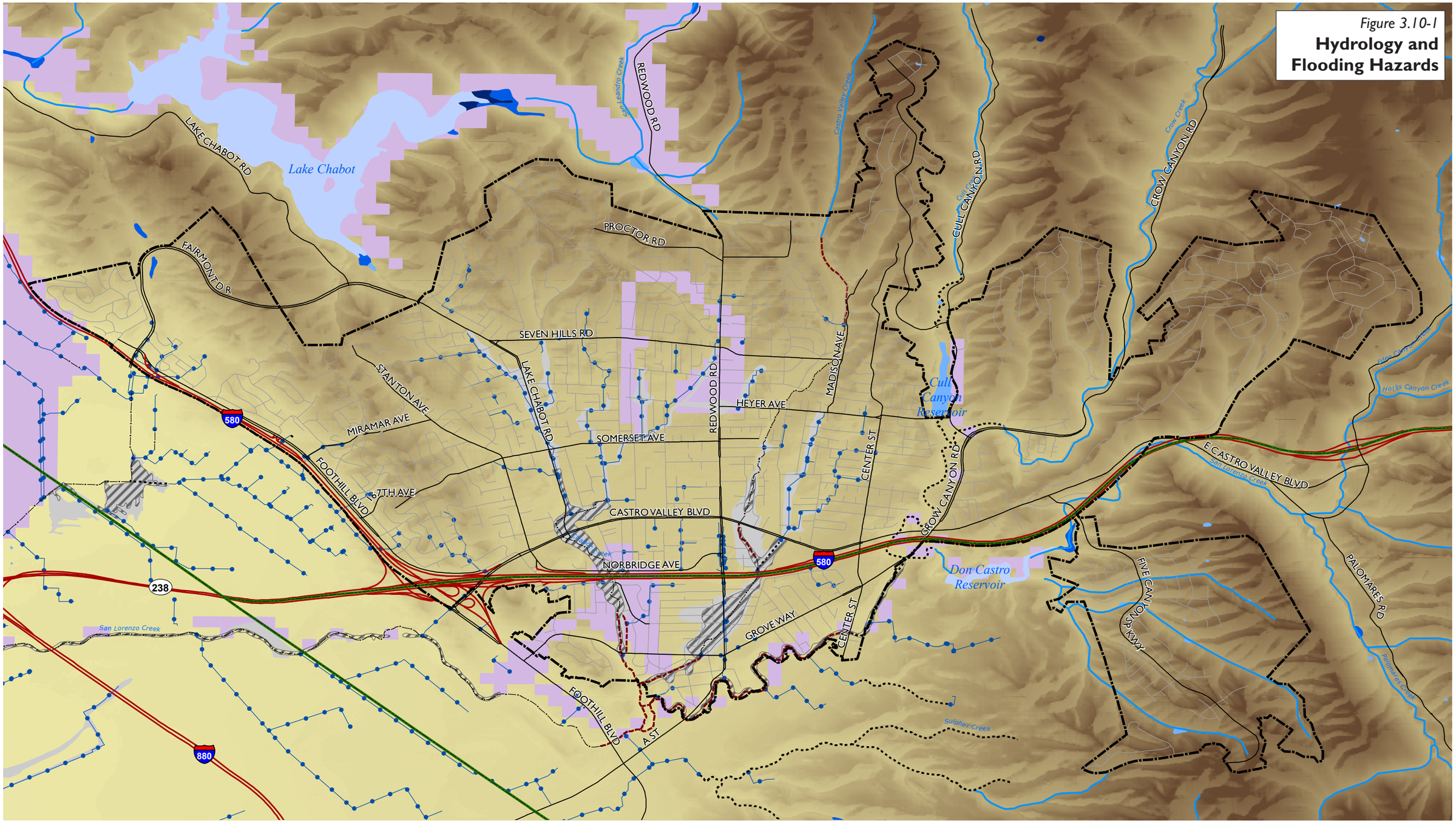
March 16, 2010

0 0.25 0.5 1 Miles
0 1,320 2,640 5,280 Feet

2 5
5
Acre

Figure 3.10-1

Hydrology and Flooding Hazards



- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- FIRM 100 Year Floodplain
- FIRM 500 Year Floodplain
- Inundation Areas
- Concrete Channel
- Earth Channel
- Improved Channel
- Natural Creeks
- Storm Sewer
- Planning Boundary
- BART

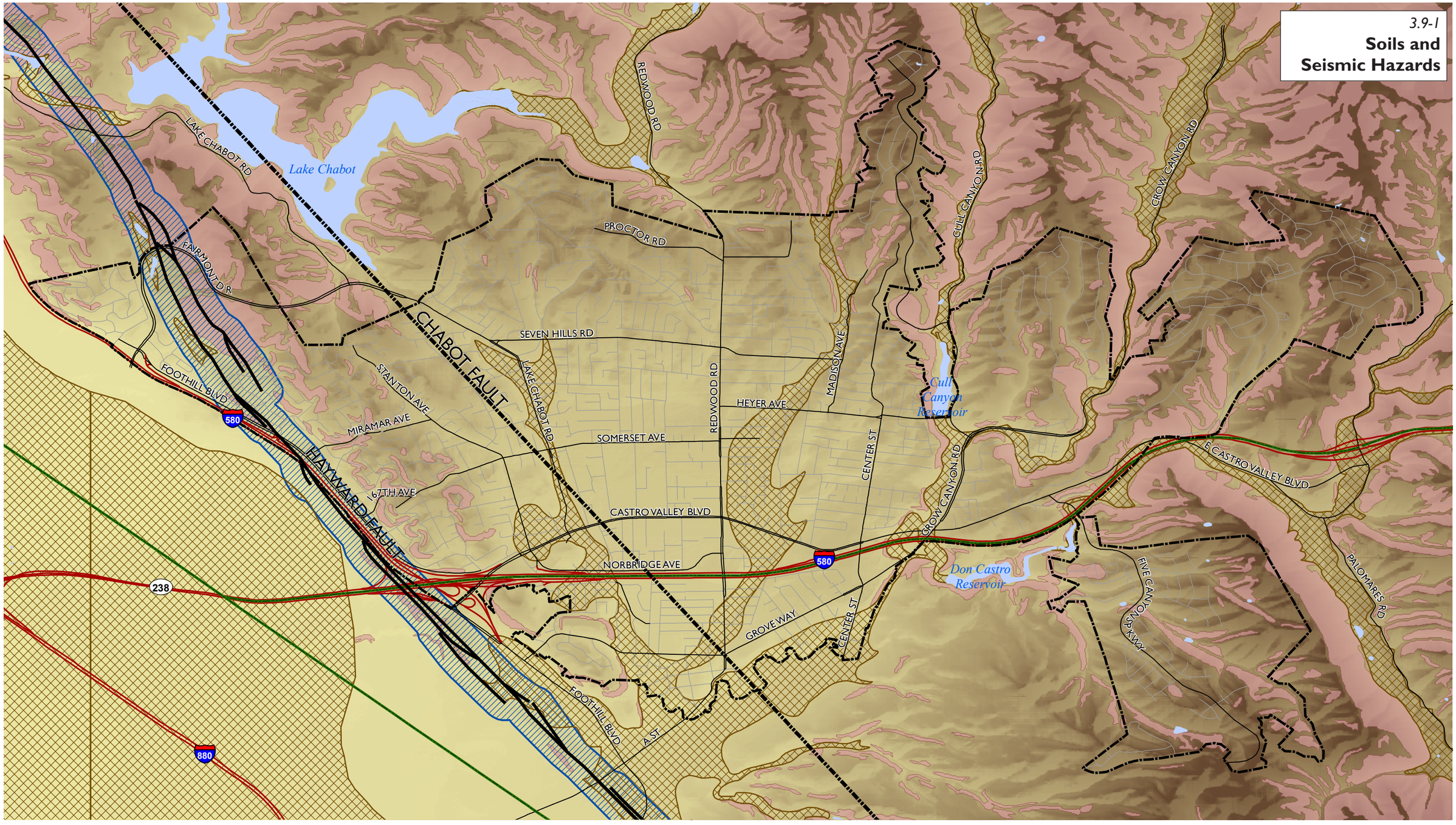
Source: Dam Failure, Metropolitan Transportation Commission, 2001; Hydrology, Alameda County, 2008; BART, Metropolitan Transportation Commission, 2001; Digital Elevation Model, United States Geological Survey, 2009; Map base, Alameda County, 2008.

March 16, 2010

0 0.25 0.5 1 Miles

0 1,320 2,640 5,280 Feet

25
5
Acre



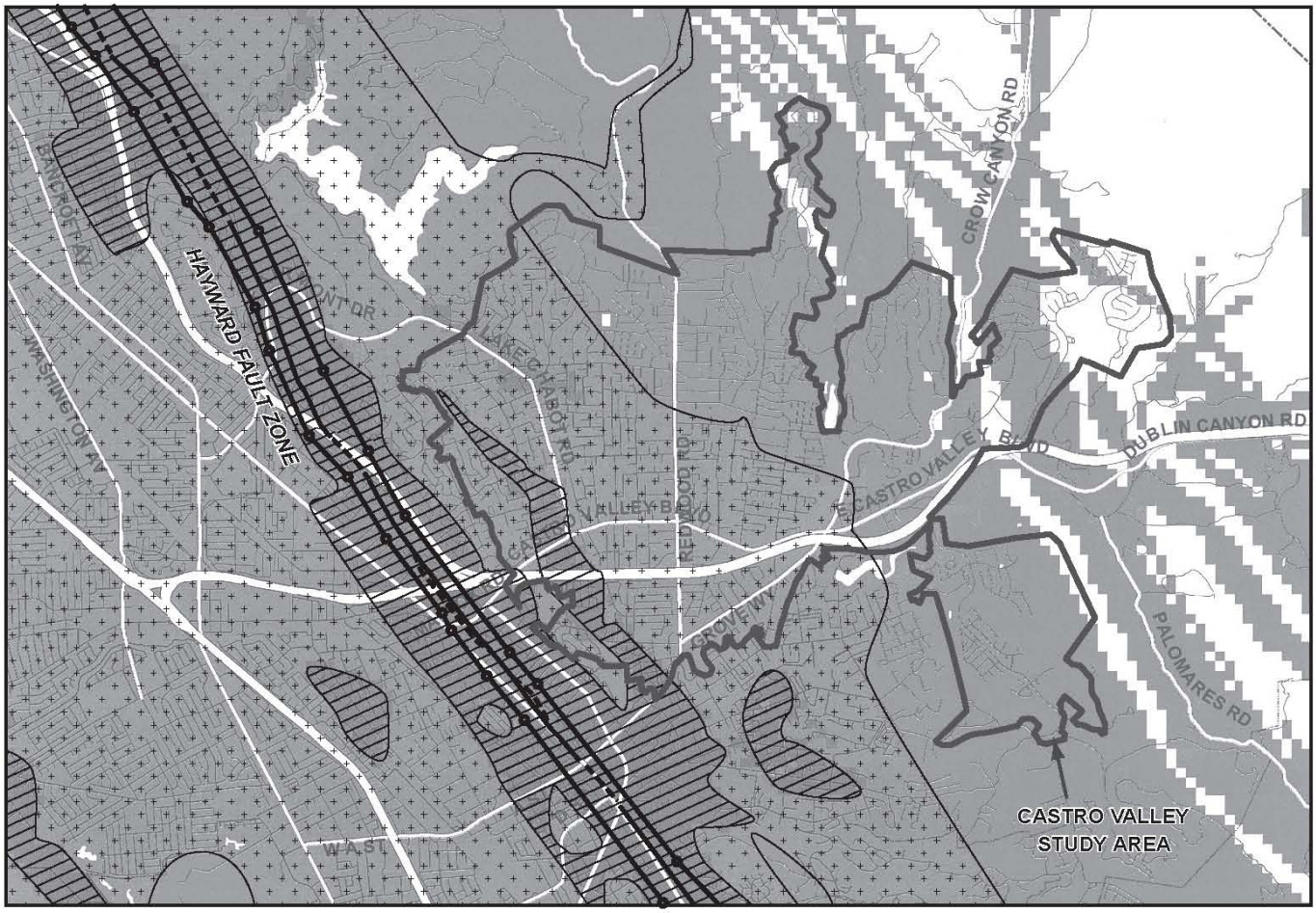
Active Fault
Inactive Fault - Location Approximated
Alquist Priolo Zone
Liquefaction Zone
Earthquake-Induced Landslide Zone
Planning Boundary
BART

Source: Seismic Hazard Zones, California Department of Conservation, California Geological Survey, 2003; Hayward Fault, United States Geological Survey, 2005; Alquist Priolo and Chabot Fault, Dyett and Bhatia, 2010; Digital Elevation Model, United States Geological Survey, 2009; Map base, Alameda County, 2008.

April 1, 2010

0 0.25 0.5 1 Miles
0 1,320 2,640 5,280 Feet

25
5
Acre



3.9-2

Source: Association of Bay Area Governments (2003)

Earthquake Shaking Scenario

0 0.5 1
Miles

Modified Mercalli Intensity
Shaking Severity Level

- X Very Violent
- IX Violent
- VIII Very Strong
- VII Strong

Fault Trace
(Dashed where concealed or uncertain)

Boundary of Alquist Priolo Earthquake

Figure 3.8-2

Noise Contours

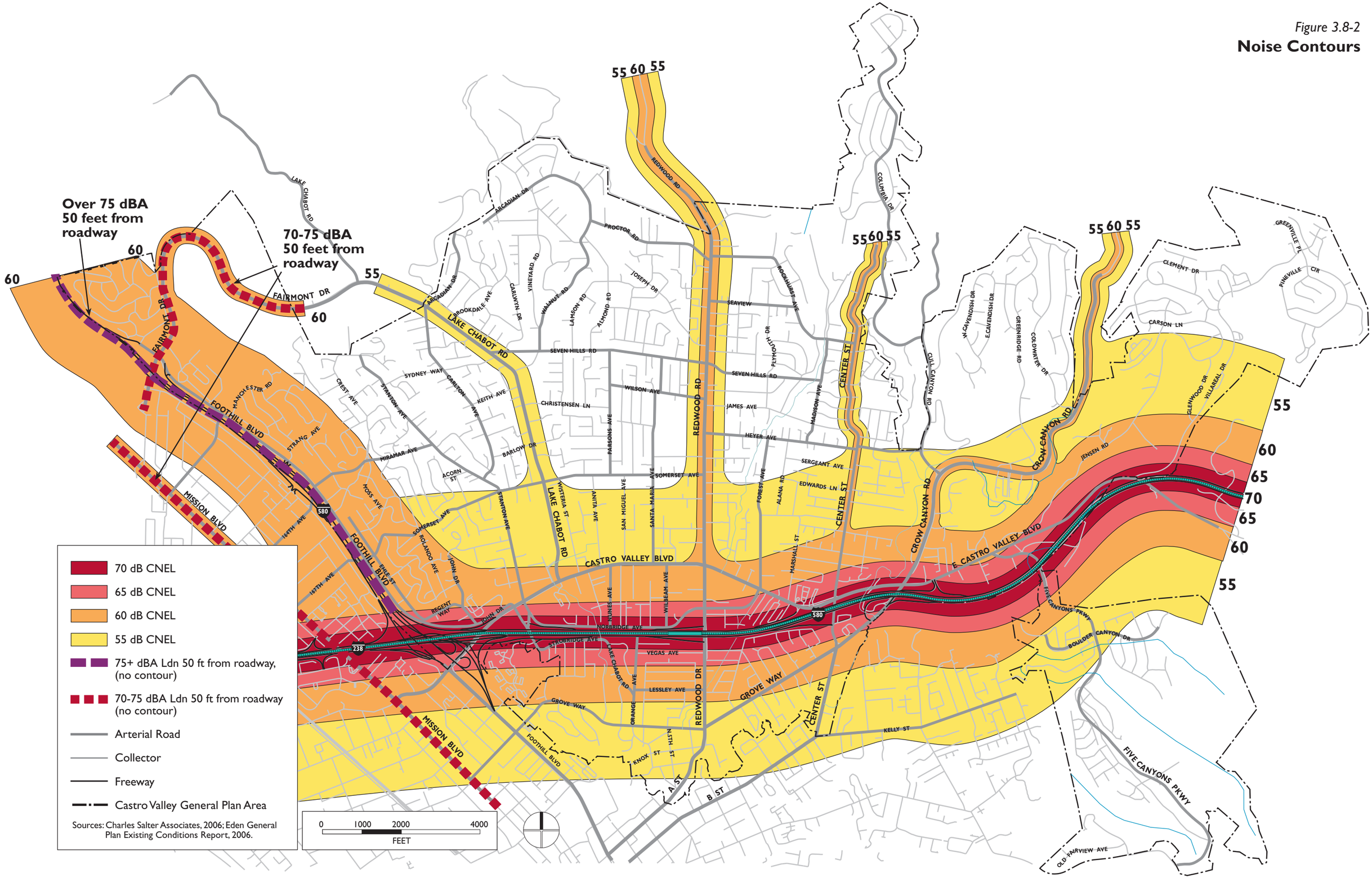
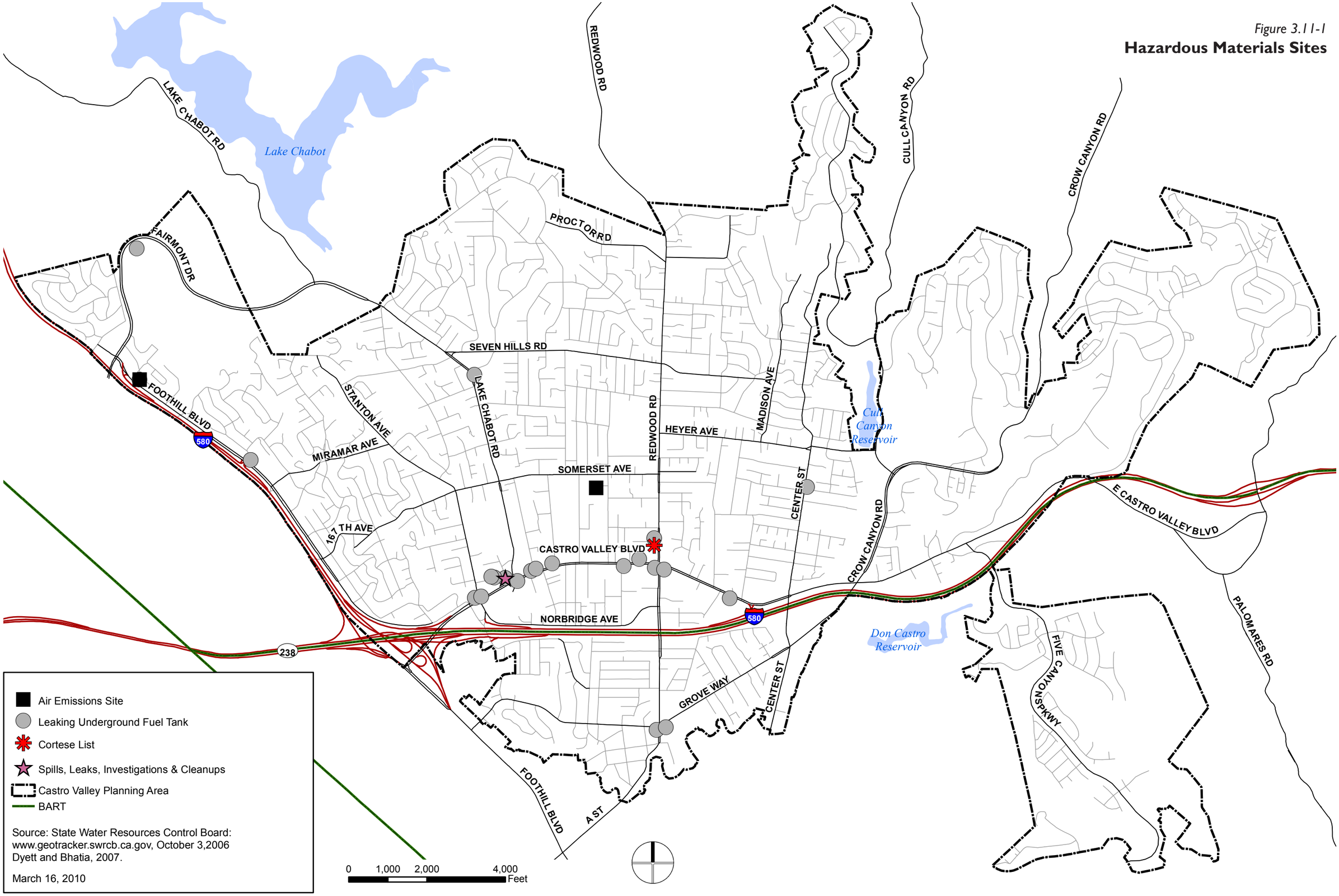


Figure 3.11-1

Hazardous Materials Sites