

FIRE DISTRICTS DEPLOYMENT  
AND FISCAL/GOVERNANCE  
OPTIONS ANALYSIS  
**VOLUME 2 OF 2: MAP ATLAS**

SOLANO COUNTY LOCAL AGENCY  
FORMATION COMMISSION

OCTOBER 13, 2020



## VOLUME 2—MAP ATLAS

The following map descriptions are from Section 2.4 of the accompanying **Volume 1—Technical Report**. Full-page maps immediately follow.

### ***Map #1 – General County Geography, City and Fire District Boundaries, and District Fire Station Locations***

Map #1 provides an overview of Solano County, city, and fire district boundaries, and fire station locations within the four study districts.

### ***Map #2a – Cordelia Fire Protection District***

Map #2a shows the boundaries of the Cordelia FPD, as well as the location of the two District fire stations and the two most proximal City of Fairfield fire station locations.

### ***Map #2b – Montezuma Fire Protection District***

Map #2b shows the boundaries of the Montezuma FPD and the District's two fire stations. The City of Rio Vista fire station is co-located with Montezuma Station 51 in the City of Rio Vista.

### ***Map #2c – Suisun Fire Protection District***

Map #2c shows the boundaries of the Suisun FPD and the location of the two District fire stations.

### ***Map #2d – Vacaville Fire Protection District***

Map #2d shows the boundaries of the Vacaville FPD and the location of the District's four fire stations.

### ***Map #3a – Risk Assessment: Population Density***

Map #3a displays the population densities within the four study districts, ranging from mostly less than 500 to nearly 5,000 people per square mile in some very small district areas.

### ***Map #4a – Distribution: 12:00-Minute First-Due Travel Time Coverage – Cordelia FPD***

Map #4a shows in green the road segments within the Cordelia FPD that should be expected to be reached within 12:00-minutes travel time from Stations 29 and 31 without traffic congestion. As the map illustrates, first-due travel time coverage is good, at 97 percent of total public road miles—*if the units are staffed*.

### ***Map #4b – Distribution: 12:00-Minute First-Due Travel Time Coverage – Montezuma FPD***

Map #4b shows in green the road segments within the Montezuma FPD that should be expected to be reached within 12:00-minutes travel time from its two fire stations without traffic congestion. As the map illustrates, expected first-due travel time coverage is 62 percent of total public road

miles due to each station's large response area; however, approximately 62 percent of the District is farmland and pasture lands with very sparse building and population density. In addition, responses to the Ryer Island section of the District (northeast) requires a ferry crossing across the Sacramento River, thus extending response times to that area of the District.

***Map #4c – Distribution: 12:00-Minute First-Due Travel Time Coverage – Suisun FPD***

Map #4c shows in green the road segments within the Suisun FPD that should be expected to be reached within 12:00-minutes travel time from its two fire stations without traffic congestion. As the map illustrates, expected first-due travel time coverage is 78 percent of total public road miles; however, the areas beyond 12:00-minute travel time coverage are marshland with minimal building fire, vegetation fire, or medical emergency risk factors.

***Map #4d – Distribution: 12:00-Minute First-Due Travel Time Coverage – Vacaville FPD***

Map #4d shows in green the road segments within the Vacaville FPD that should be expected to be reached within 12:00-minutes travel time from its four fire stations without traffic congestion. As the map illustrates, expected first-due travel time coverage is very good, at 97 percent of total public road miles.

***Map #5a – All EMS Incident Locations – Cordelia FPD***

Map #5a shows the location of all EMS incidents within Cordelia FPD from July 1, 2017 through June 30, 2018. As can be seen when compared to Map #4a, nearly all incidents occurred within an expected 12:00-minute travel time from either District station.

***Map #5b – All EMS Incident Locations – Montezuma FPD***

Map #5b shows the location of all EMS incidents within Montezuma FPD from July 1, 2017 through June 30, 2018. As can be seen when compared to Map #4b, most of the incidents occurred within an expected 12:00-minute travel time from one of the District's two stations.

***Map #5c – All EMS Incident Locations – Suisun FPD***

Map #5c shows the location of all EMS incidents within the Suisun FPD from July 1, 2017 through June 30, 2018. As can be seen when compared to Map #4c, nearly all the incidents occurred within an expected 12:00-minute travel time from one of the District's two stations.

***Map #5d – All EMS Incident Locations – Vacaville FPD***

Map #5d shows the location of all EMS incidents within the Vacaville FPD from July 1, 2017 through June 30, 2018. As can be seen when compared to Map #4d, all but a few incidents occurred within an expected 12:00-minute travel time from one of the District's four stations.

***Map #6a – All Fire Incident Locations – Cordelia FPD***

Map #6a displays the location of all fire incidents within Cordelia FPD from July 1, 2017 through June 30, 2018. As can be seen when compared to Map #4a, nearly all incidents occurred within an expected 12:00-minute travel time from either District station.

***Map #6b – All Fire Incident Locations – Montezuma FPD***

Map #6b displays the location of all fire incidents within Montezuma FPD from July 1, 2017 through June 30, 2018. As can be seen when compared to Map #4b, most fire incidents occurred within an expected 12:00-minute travel time from one of the District's two stations.

***Map #6c – All Fire Incident Locations – Suisun FPD***

Map #6c displays the location of all fire incidents within Suisun FPD from July 1, 2017 through June 30, 2018. As can be seen when compared to Map #4c, most incidents occurred within an expected 12:00-minute travel time from one of the District's two stations.

***Map #6d – All Fire Incident Locations – Vacaville FPD***

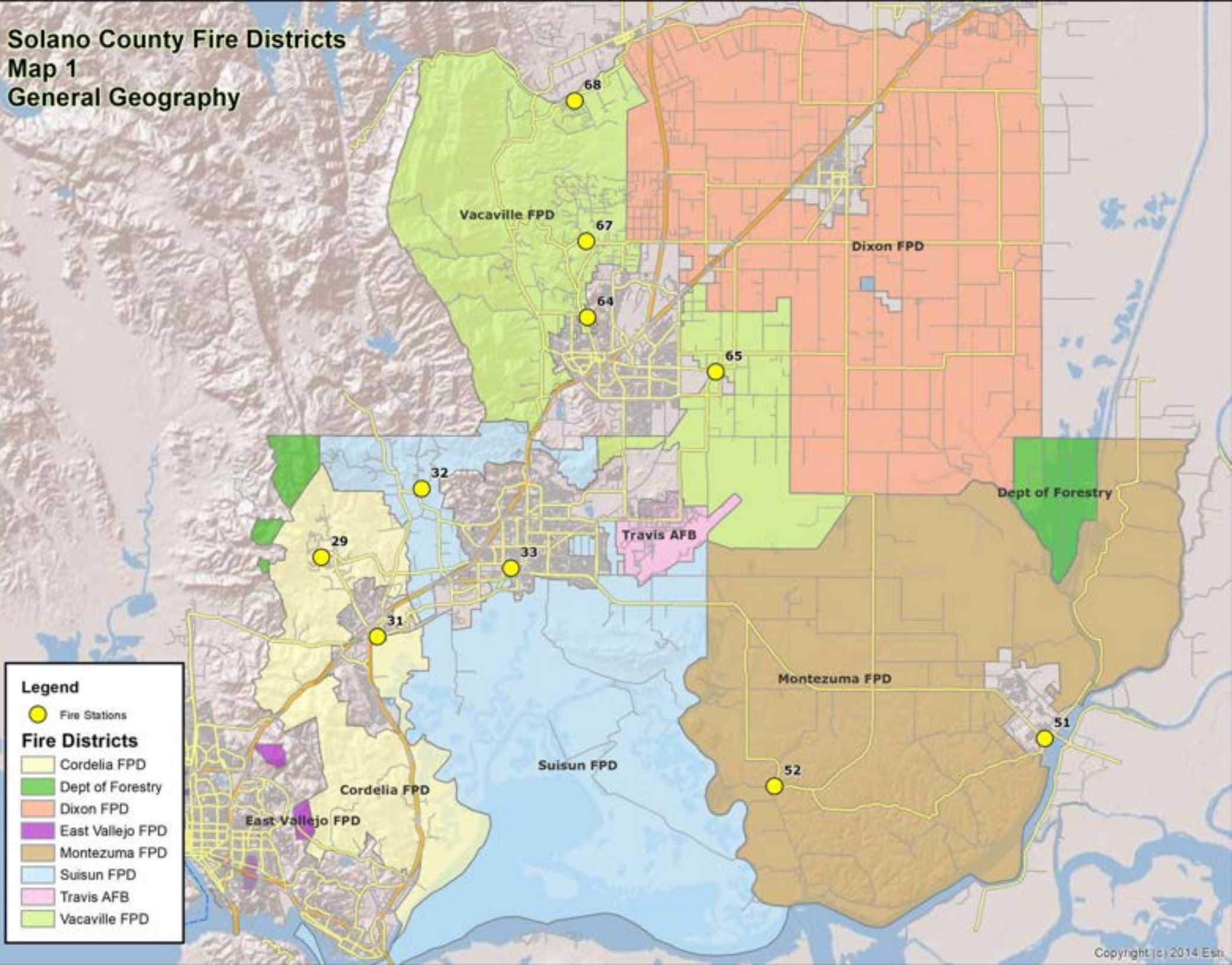
Map #6d displays the location of all fire incidents within Vacaville FPD from July 1, 2017 through June 30, 2018. As can be seen when compared to Map #4d, all fire incidents occurred within an expected 12:00-minute travel time from one of the District's four stations.



# Solano County Fire Districts

## Map 1

### General Geography



- Legend**
- Fire Stations
  - Fire Districts
  - Cordelia FPD
  - Dept of Forestry
  - Dixon FPD
  - East Vallejo FPD
  - Montezuma FPD
  - Suisun FPD
  - Travis AFB
  - Vacaville FPD



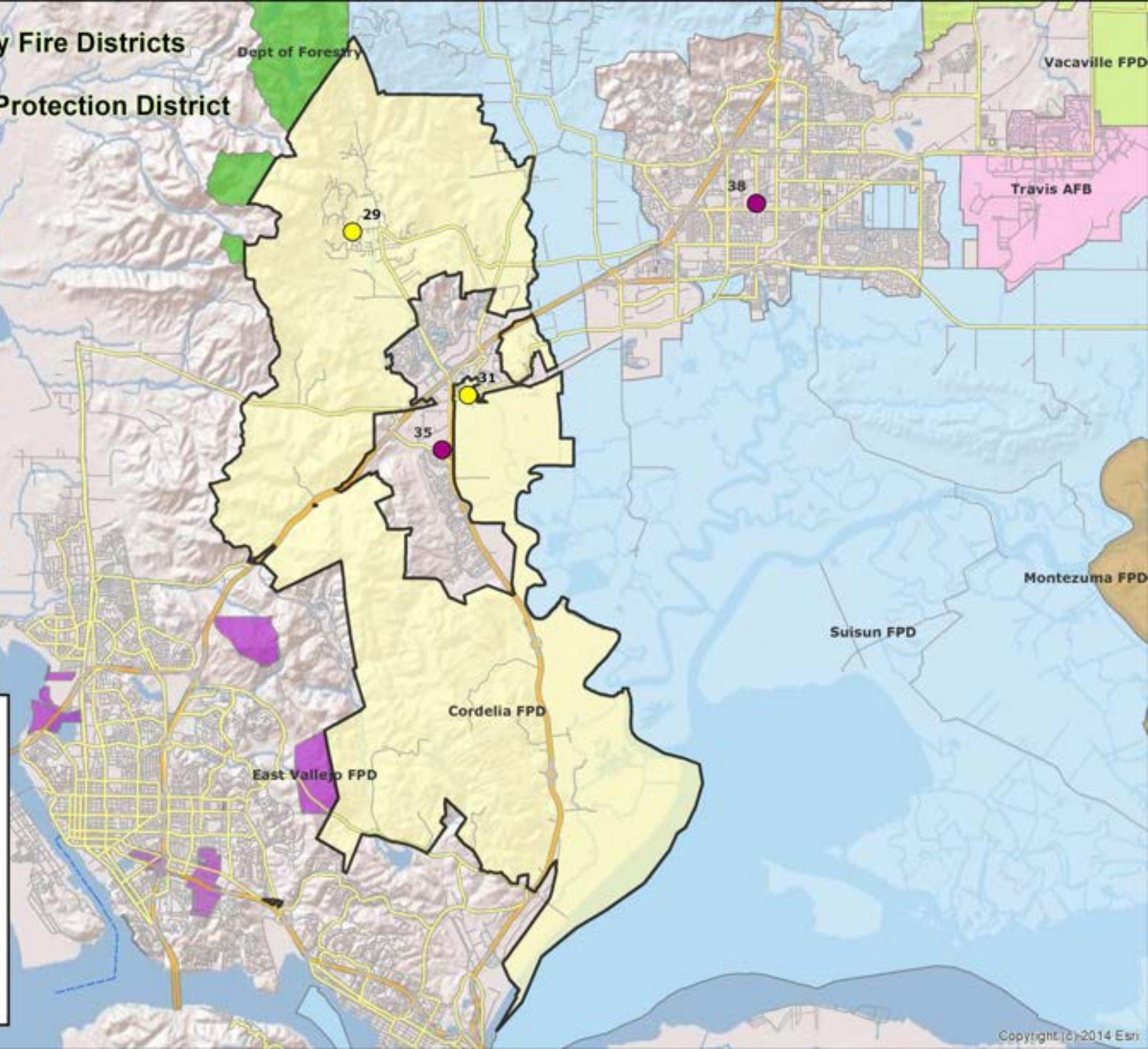
**Solano County Fire Districts**  
**Map 2a**  
**Cordelia Fire Protection District**

**Legend**

- Fairfield Stations
- CFPD Stations

**Fire Districts**

- Cordelia FPD
- Dept of Forestry
- Dixon FPD
- East Vallejo FPD
- Montezuma FPD
- Suisun FPD
- Travis AFB
- Vacaville FPD





# Solano County Fire Districts

## Map 2b

### Montezuma Fire Protection District

Vacaville FPD

Dixon FPD

Dept of Forestry

Travis AFB

Montezuma FPD

Suisun FPD

#### Legend

 MFPD Stations

#### Fire Districts

-  Cordelia FPD
-  Dept of Forestry
-  Dixon FPD
-  East Vallejo FPD
-  Montezuma FPD
-  Suisun FPD
-  Travis AFB
-  Vacaville FPD

52

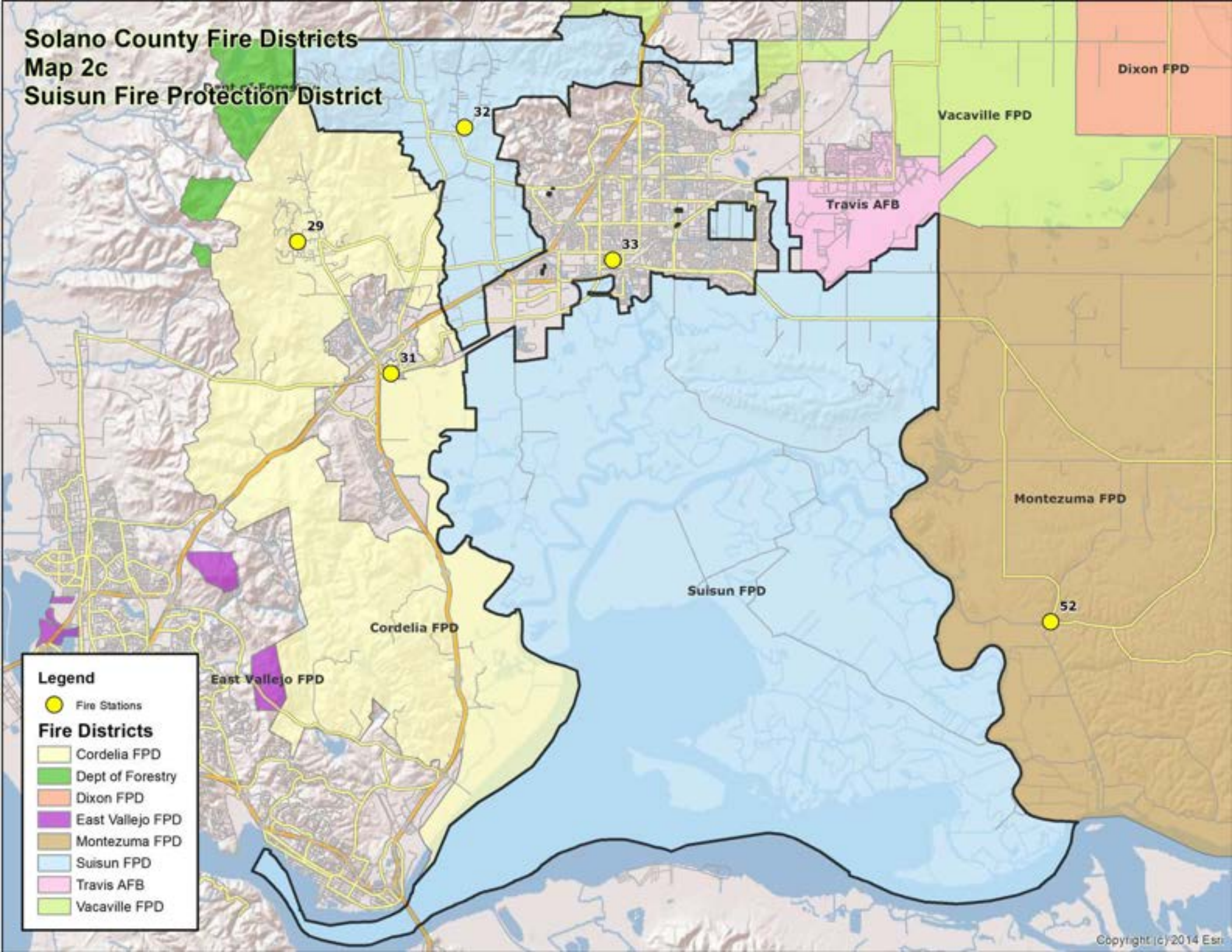
51



# Solano County Fire Districts

## Map 2c

### Suisun Fire Protection District



- Legend**
- Fire Stations
  - Cordelia FPD
  - Dept of Forestry
  - Dixon FPD
  - East Vallejo FPD
  - Montezuma FPD
  - Suisun FPD
  - Travis AFB
  - Vacaville FPD

Dixon FPD

Vacaville FPD

Travis AFB

Montezuma FPD

Suisun FPD

Cordelia FPD

East Vallejo FPD

32

29

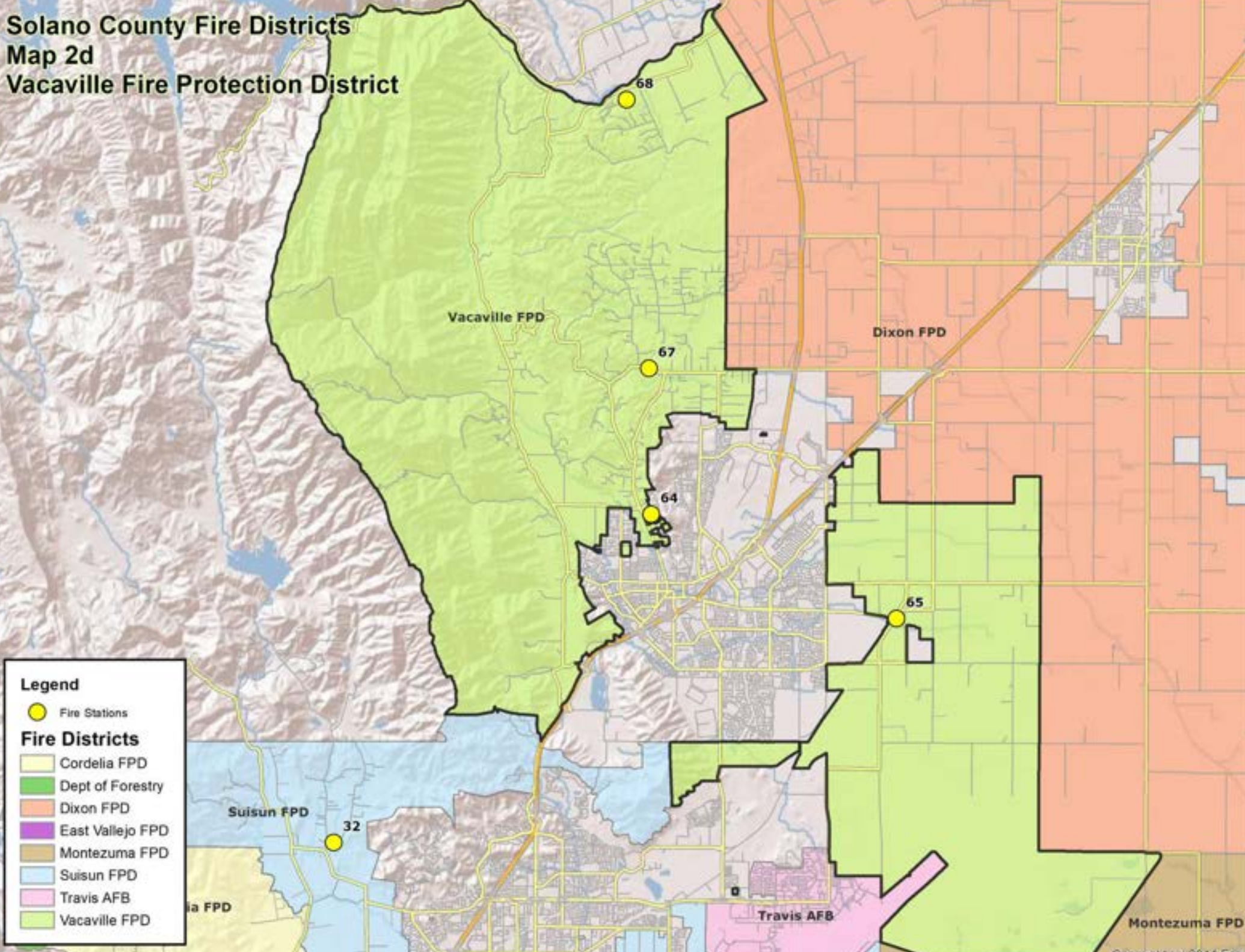
31

33


52



**Solano County Fire Districts**  
**Map 2d**  
**Vacaville Fire Protection District**



**Legend**

 Fire Stations

**Fire Districts**

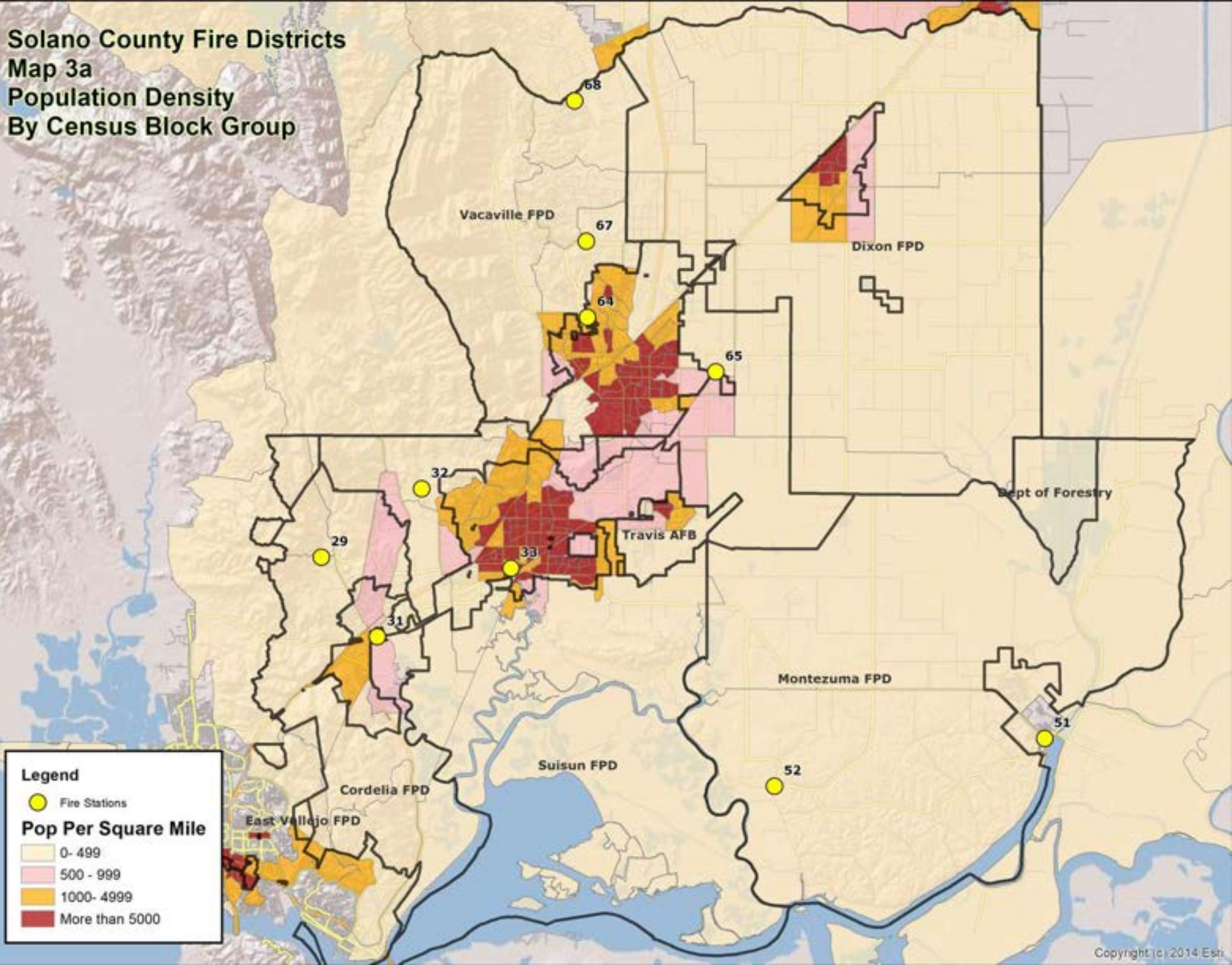
-  Cordelia FPD
-  Dept of Forestry
-  Dixon FPD
-  East Vallejo FPD
-  Montezuma FPD
-  Suisun FPD
-  Travis AFB
-  Vacaville FPD



# Solano County Fire Districts

## Map 3a

### Population Density By Census Block Group





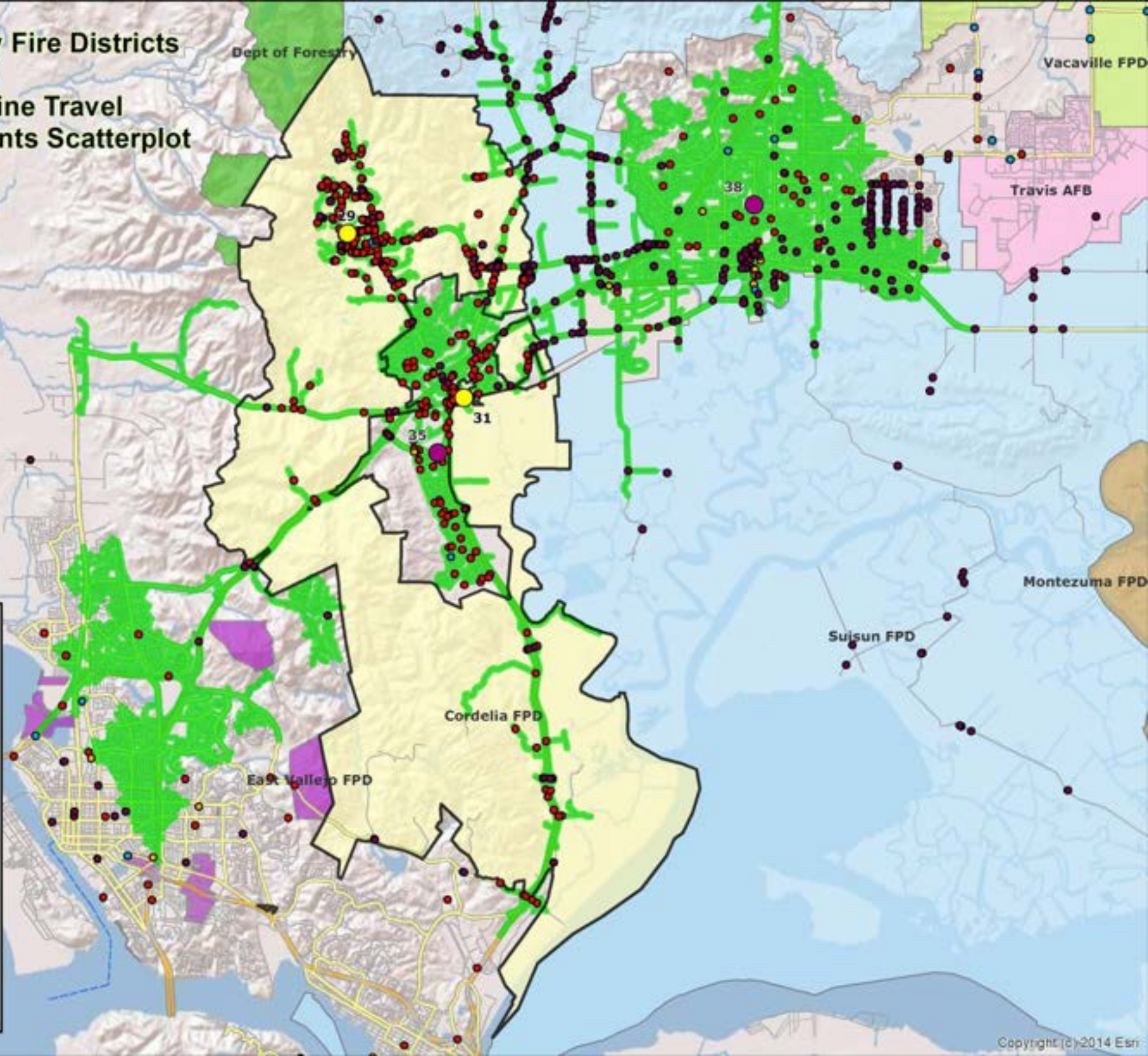
**Solano County Fire Districts**  
**Map 4a**  
**12 Minute Engine Travel**  
**With All Incidents Scatterplot**  
**Cordelia FPD**

**Legend**

- Fairfield Stations
- CFPD Stations
- SFPD Incidents
- VFPD Incidents
- MFPD Incidents
- CFPD Incidents

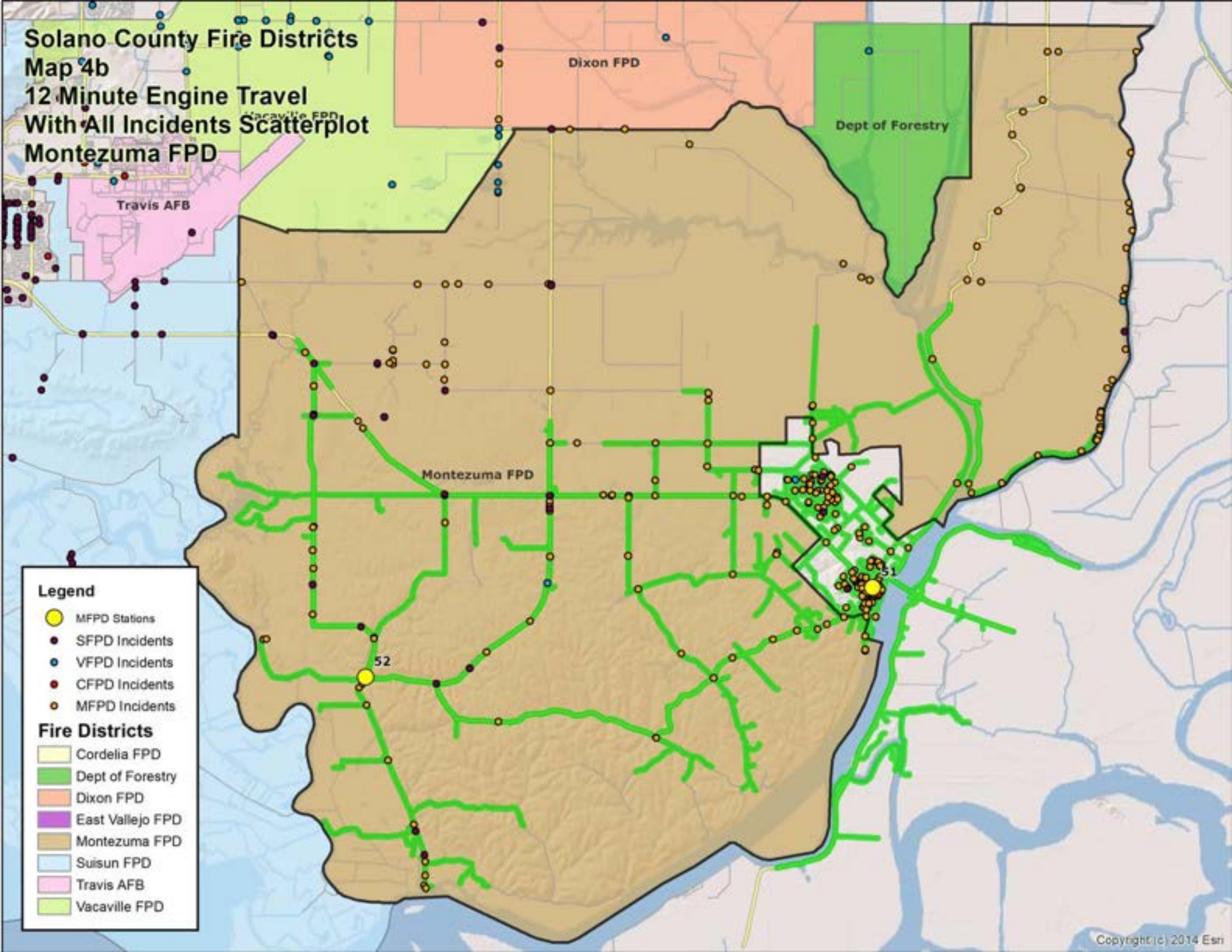
**Fire Districts**

- Cordelia FPD
- Dept of Forestry
- Dixon FPD
- East Vallejo FPD
- Montezuma FPD
- Suisun FPD
- Travis AFB
- Vacaville FPD





**Solano County Fire Districts**  
**Map 4b**  
**12 Minute Engine Travel**  
**With All Incidents Scatterplot**  
**Montezuma FPD**



**Legend**

- MFPD Stations
- SFPD Incidents
- VFPD Incidents
- CFPD Incidents
- MFPD Incidents

**Fire Districts**

- Cordelia FPD
- Dept of Forestry
- Dixon FPD
- East Vallejo FPD
- Montezuma FPD
- Suisun FPD
- Travis AFB
- Vacaville FPD



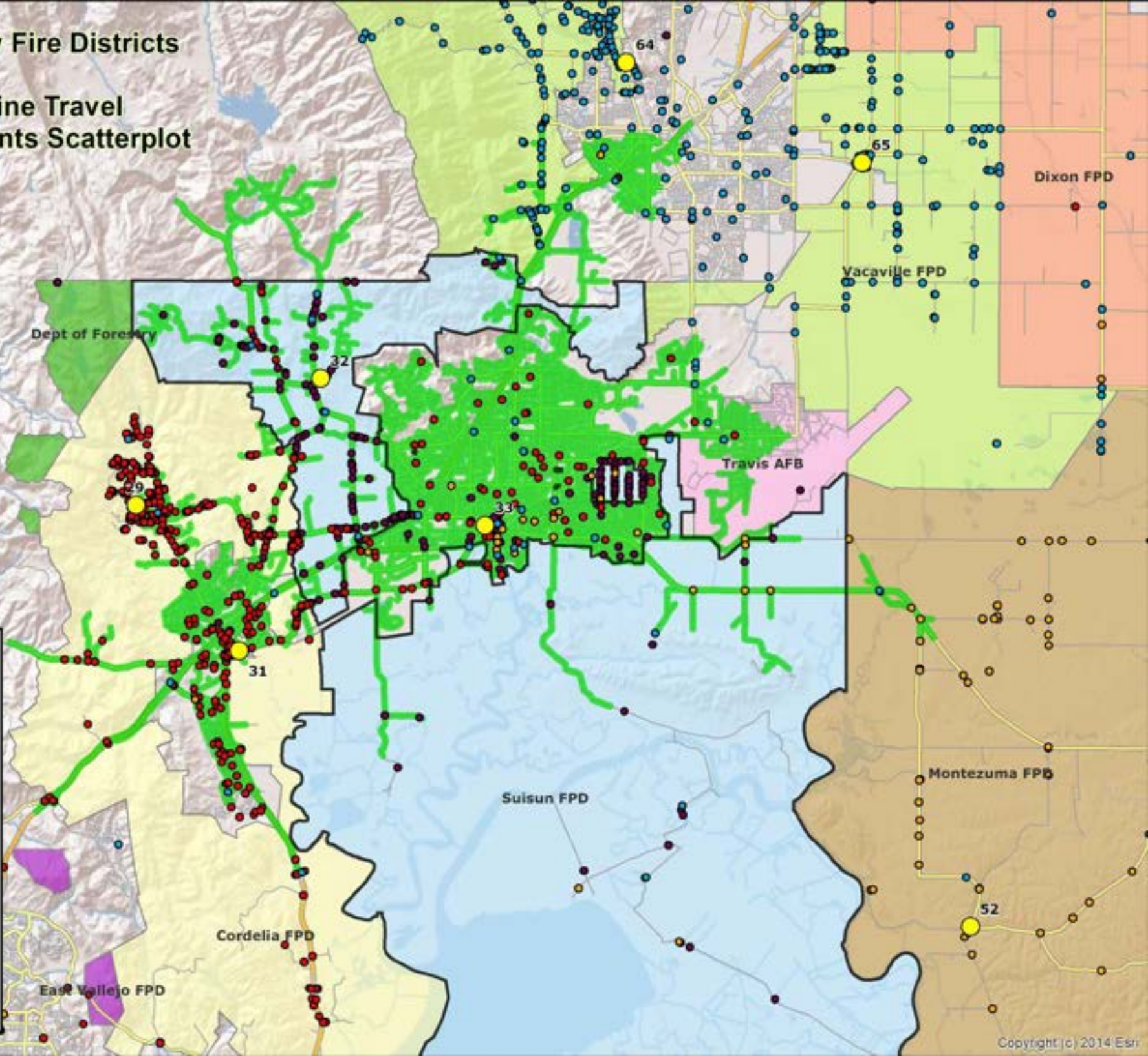
**Solano County Fire Districts**  
**Map 4c**  
**12 Minute Engine Travel**  
**With All Incidents Scatterplot**  
**Suisun FPD**

**Legend**

- Fire Stations
- VFPD Incidents
- MFPD Incidents
- CFPD Incidents
- SFPD Incidents

**Fire Districts**

- Cordelia FPD
- Dept of Forestry
- Dixon FPD
- East Vallejo FPD
- Montezuma FPD
- Suisun FPD
- Travis AFB
- Vacaville FPD





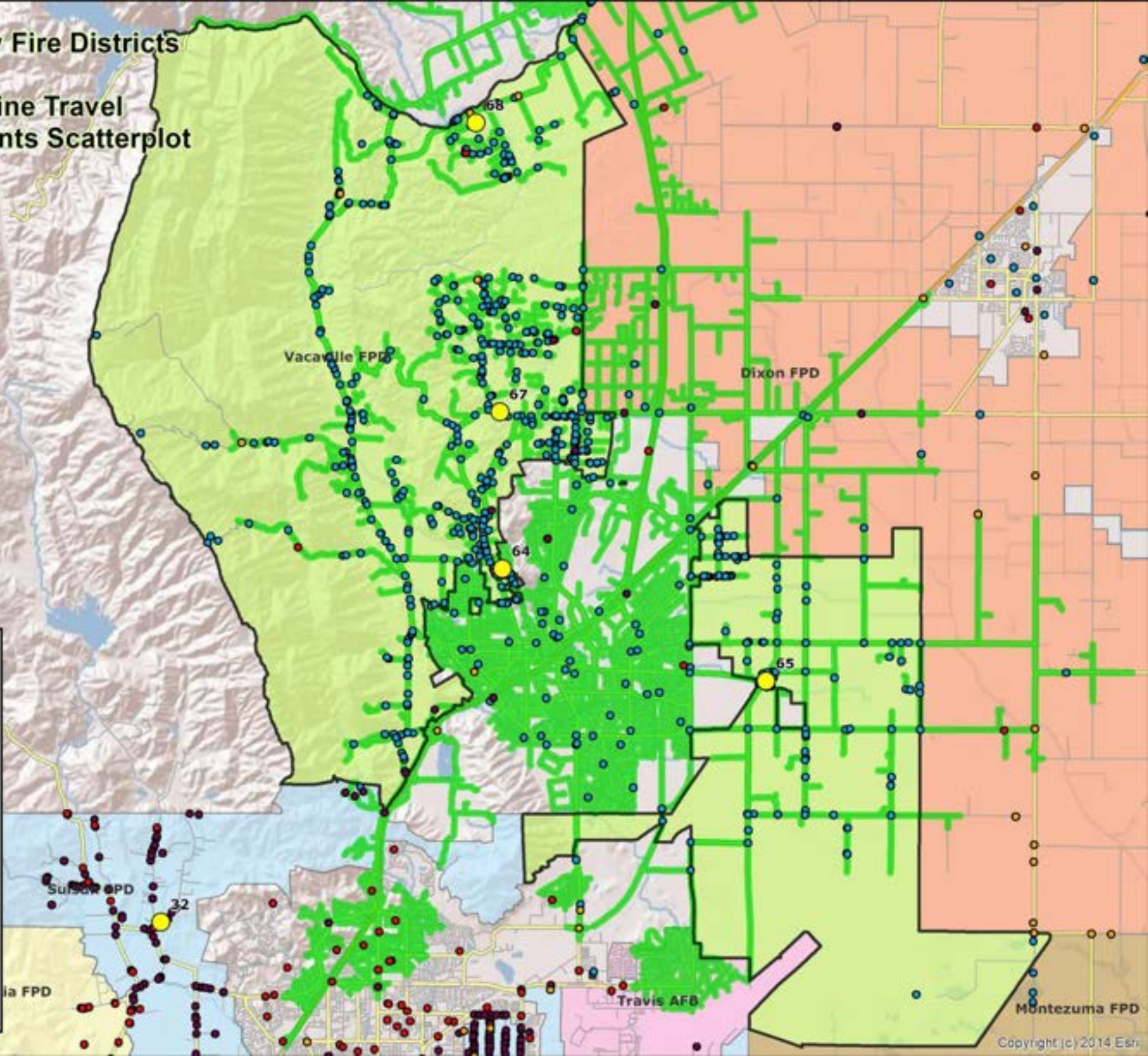
**Solano County Fire Districts**  
**Map 4d**  
**12 Minute Engine Travel**  
**With All Incidents Scatterplot**  
**Vacaville FPD**

**Legend**

- Fire Stations
- MFPD Incidents
- CFPD Incidents
- SFPD Incidents
- VFPD Incidents

**Fire Districts**

- Cordelia FPD
- Dept of Forestry
- Dixon FPD
- East Vallejo FPD
- Montezuma FPD
- Suisun FPD
- Travis AFB
- Vacaville FPD





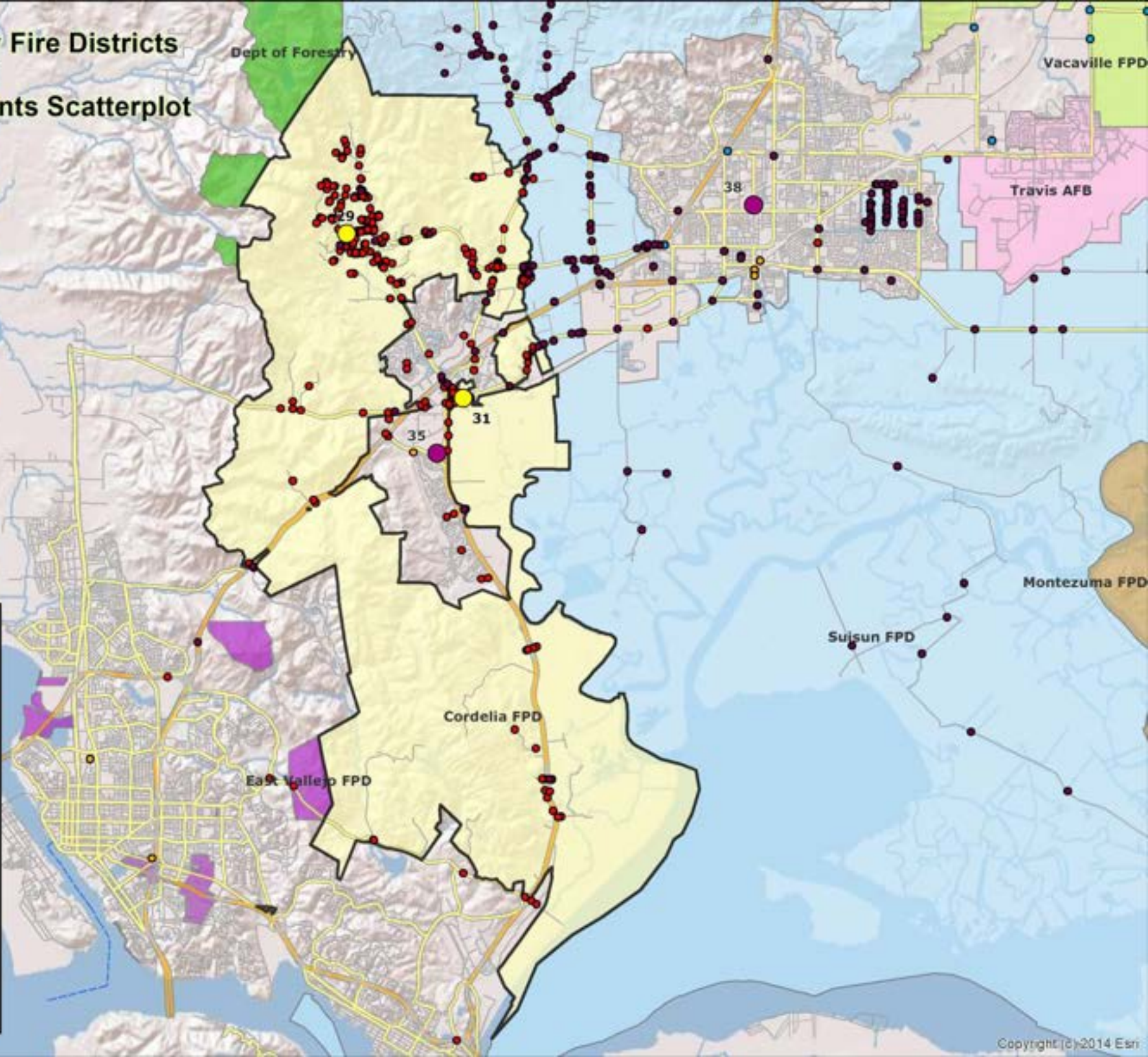
**Solano County Fire Districts**  
**Map 5a**  
**All EMS Incidents Scatterplot**  
**Cordelia FPD**

**Legend**

- Fairfield Stations
- CFPD Stations
- SFPD Incidents
- VFPD Incidents
- MFPD Incidents
- CFPD Incidents

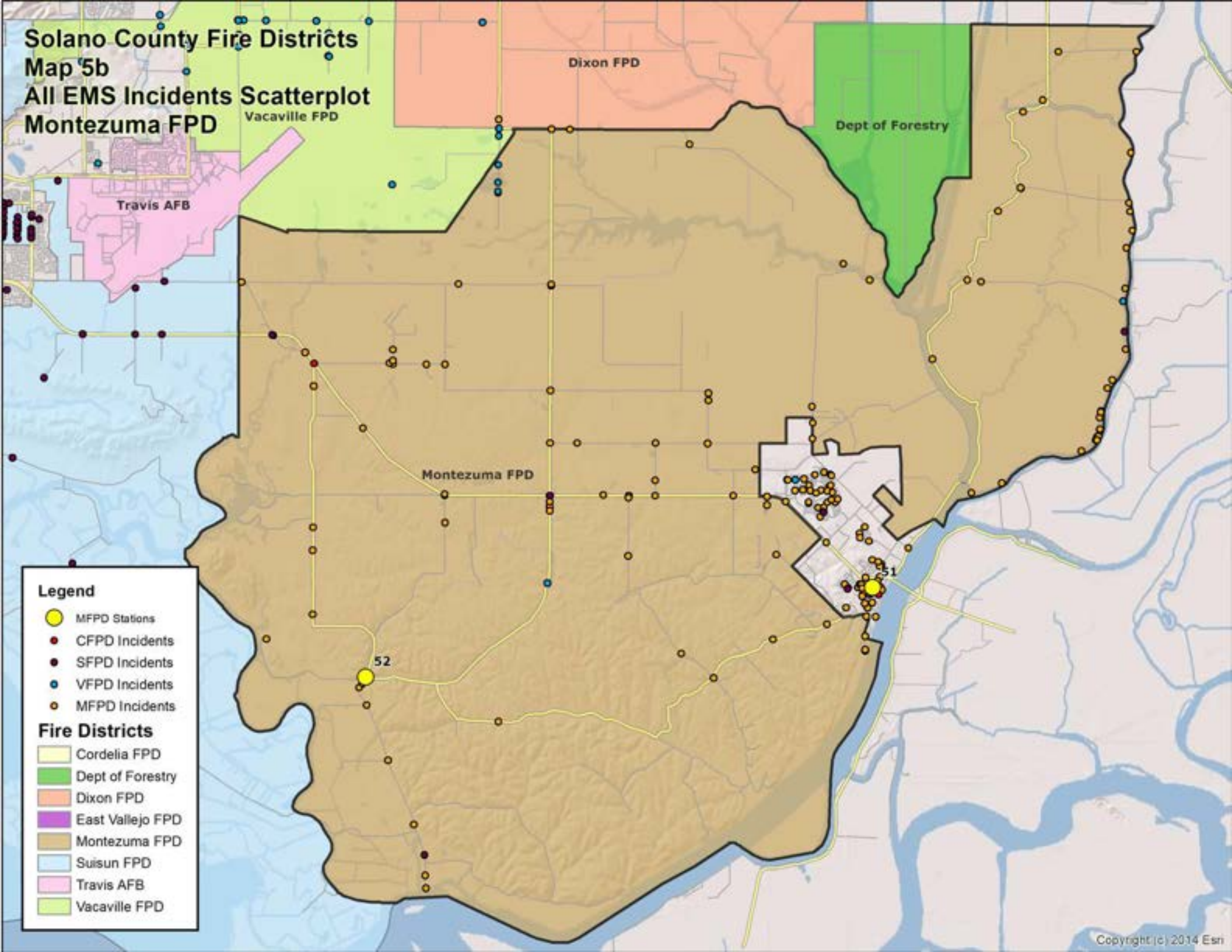
**Fire Districts**

- Cordelia FPD
- Dept of Forestry
- Dixon FPD
- East Vallejo FPD
- Montezuma FPD
- Suisun FPD
- Travis AFB
- Vacaville FPD





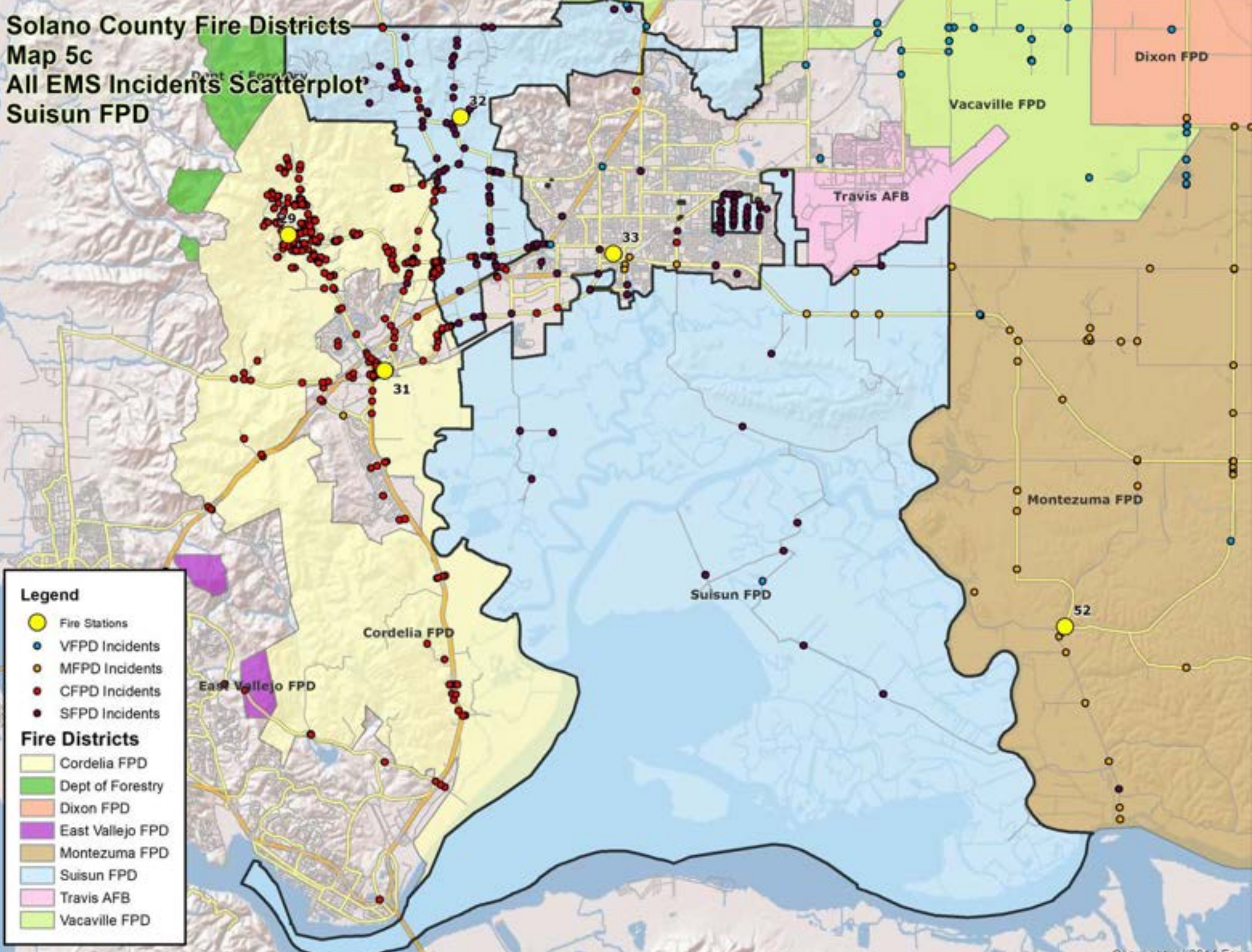
# Solano County Fire Districts Map '5b All EMS Incidents Scatterplot Montezuma FPD



- Legend**
- MFPD Stations
  - CFPD Incidents
  - SFPD Incidents
  - VFPD Incidents
  - MFPD Incidents
- Fire Districts**
- Cordelia FPD
  - Dept of Forestry
  - Dixon FPD
  - East Vallejo FPD
  - Montezuma FPD
  - Suisun FPD
  - Travis AFB
  - Vacaville FPD



**Solano County Fire Districts**  
**Map 5c**  
**All EMS Incidents Scatterplot**  
**Suisun FPD**



**Legend**

- Fire Stations
- VFPD Incidents
- MFPD Incidents
- CFPD Incidents
- SFPD Incidents

**Fire Districts**

- Cordelia FPD
- Dept of Forestry
- Dixon FPD
- East Vallejo FPD
- Montezuma FPD
- Suisun FPD
- Travis AFB
- Vacaville FPD



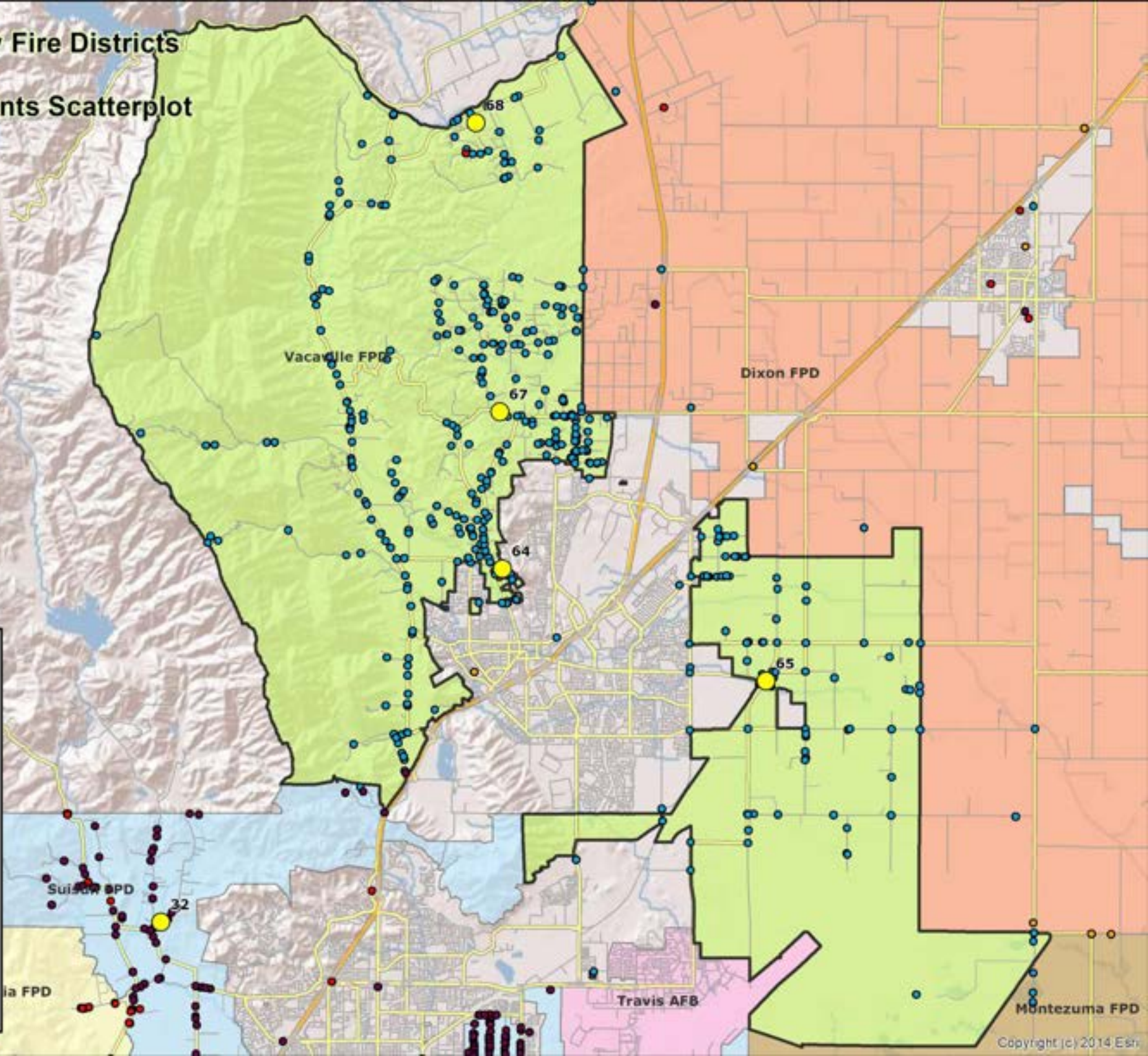
**Solano County Fire Districts**  
**Map 5d**  
**All EMS Incidents Scatterplot**  
**Vacaville FPD**

**Legend**

- Fire Stations
- MFPD Incidents
- CFPD Incidents
- SFPD Incidents
- VFPD Incidents

**Fire Districts**

- Cordelia FPD
- Dept of Forestry
- Dixon FPD
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- Vacaville FPD





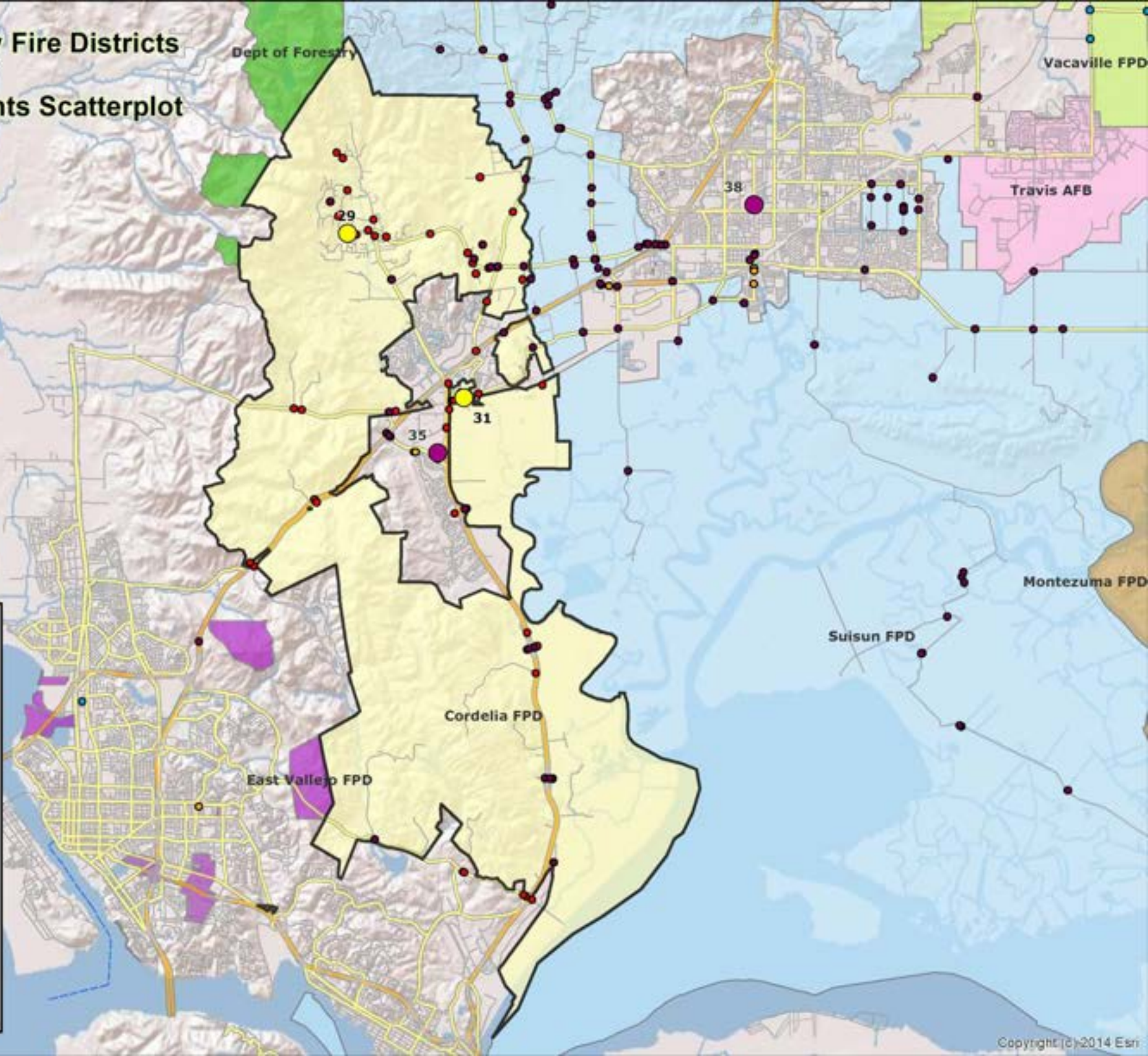
# Solano County Fire Districts Map 6a All Fire Incidents Scatterplot Cordelia FPD

**Legend**

- Fairfield Stations
- CFPD Stations
- SFPD Incidents
- VFPD Incidents
- MFPD Incidents
- CFPD Incidents

**Fire Districts**

- Cordelia FPD
- Dept of Forestry
- Dixon FPD
- East Vallejo FPD
- Montezuma FPD
- Suisun FPD
- Travis AFB
- Vacaville FPD



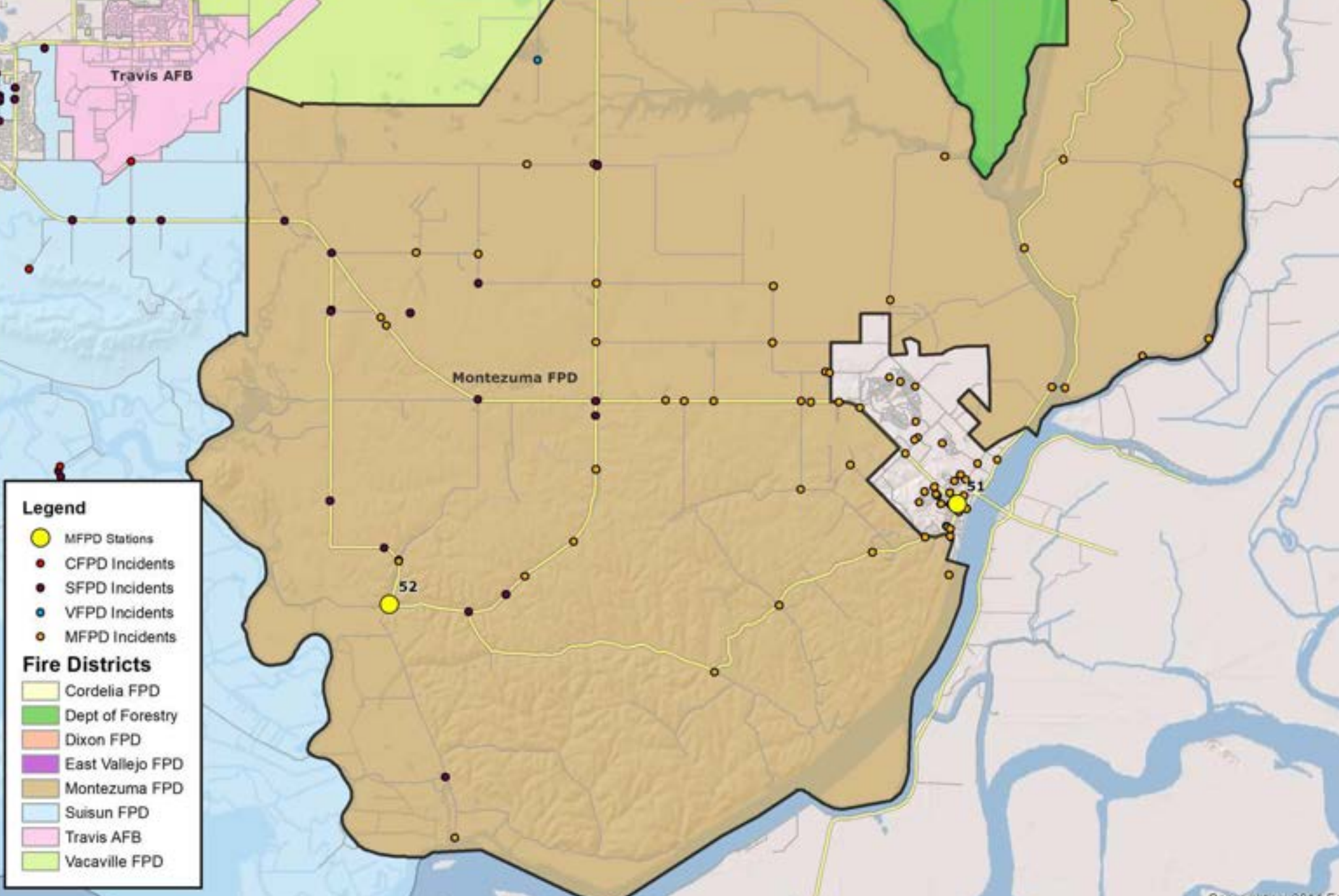


# Solano County Fire Districts

## Map 6b

### All Fire Incidents Scatterplot

#### Montezuma FPD



#### Legend

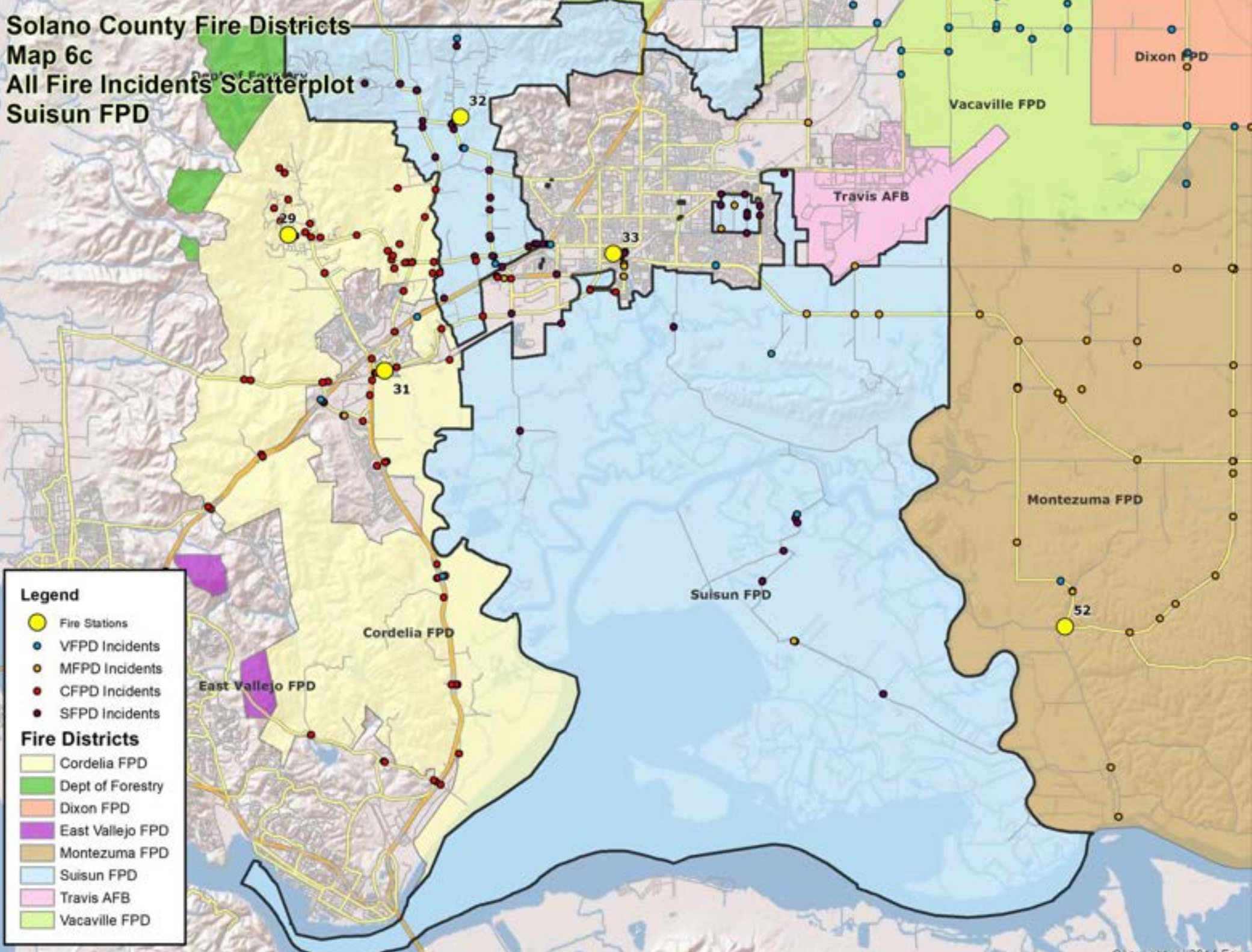
- MFPD Stations
- CFPD Incidents
- SFPD Incidents
- VFPD Incidents
- MFPD Incidents

#### Fire Districts

- Cordelia FPD
- Dept of Forestry
- Dixon FPD
- East Vallejo FPD
- Montezuma FPD
- Suisun FPD
- Travis AFB
- Vacaville FPD



**Solano County Fire Districts**  
**Map 6c**  
**All Fire Incidents Scatterplot**  
**Suisun FPD**



**Legend**

- Fire Stations
- VFPD Incidents
- MFPD Incidents
- CFPD Incidents
- SFPD Incidents

**Fire Districts**

- Cordelia FPD
- Dept of Forestry
- Dixon FPD
- East Vallejo FPD
- Montezuma FPD
- Suisun FPD
- Travis AFB
- Vacaville FPD



**Solano County Fire Districts**  
**Map 6d**  
**All Fire Incidents Scatterplot**  
**Vacaville FPD**

**Legend**

- Fire Stations
- MFPD Incidents
- CFPD Incidents
- SFPD Incidents
- VFPD Incidents

**Fire Districts**

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- Vacaville FPD

