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**FIRE STATION DEPLOYMENT ANALYSIS
AND MASTER PLAN IMPLEMENTATION
FOR THE**

**NAPA COUNTY
FIRE DEPARTMENT**

ERNIE LOVELESS, FIRE CHIEF



***“Working together for your safety:
Proudly serving our community with
courtesy, integrity and compassion”***



■ ■

*Presented to Napa County Board of Supervisors
on
September 11, 2007*

Draft Report

VOLUME 2 OF 3 – MAP ATLAS

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**THIS REPORT AND ANALYSIS WAS
PERFORMED BY:**



■ FOLSOM (SACRAMENTO), CA

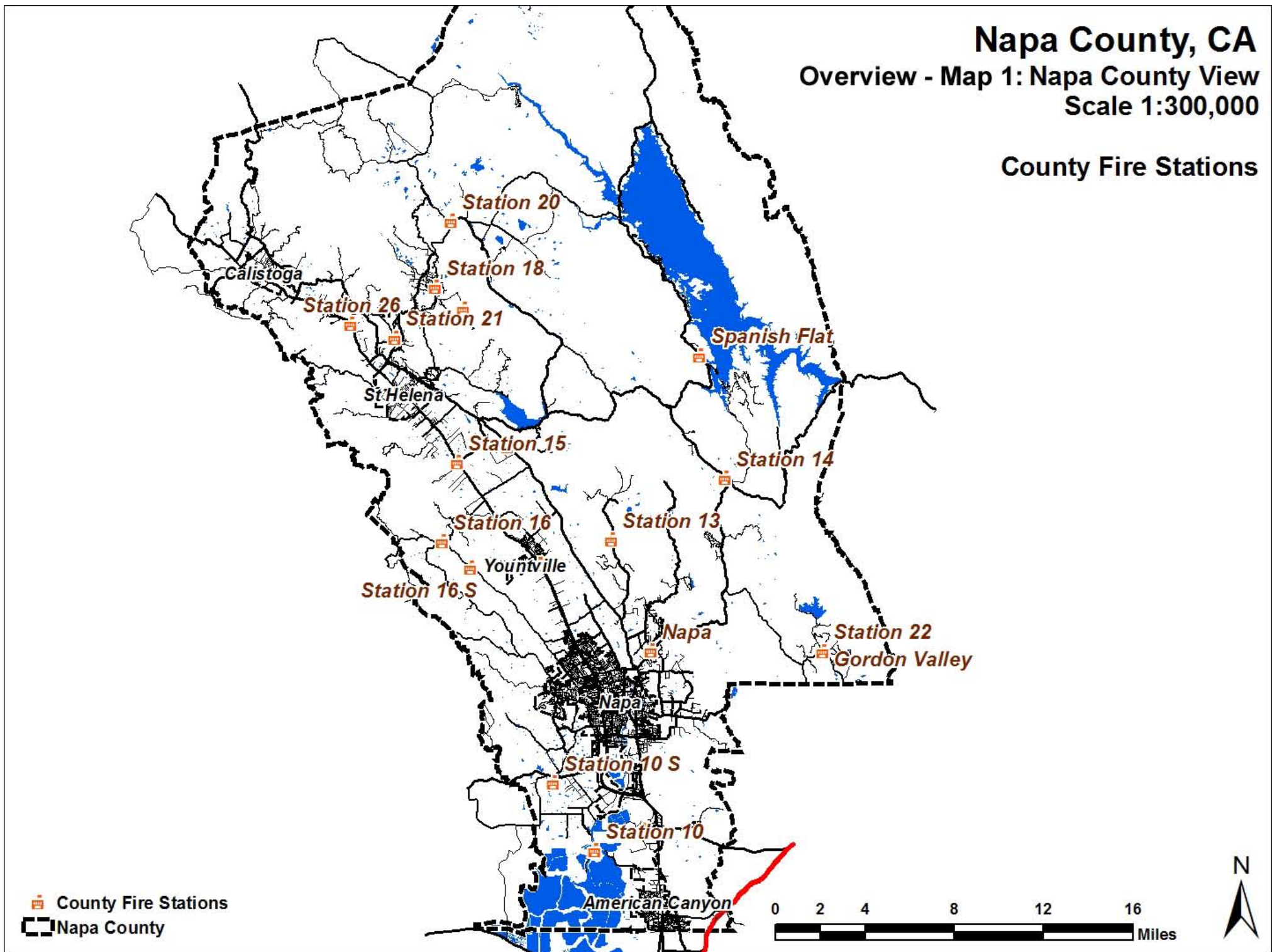
■ MANAGEMENT CONSULTANTS

■ 2250 East Bidwell St., Ste #100 ■ Folsom, CA 95630
(916) 458-5100 ■ Fax: (916) 983-2090

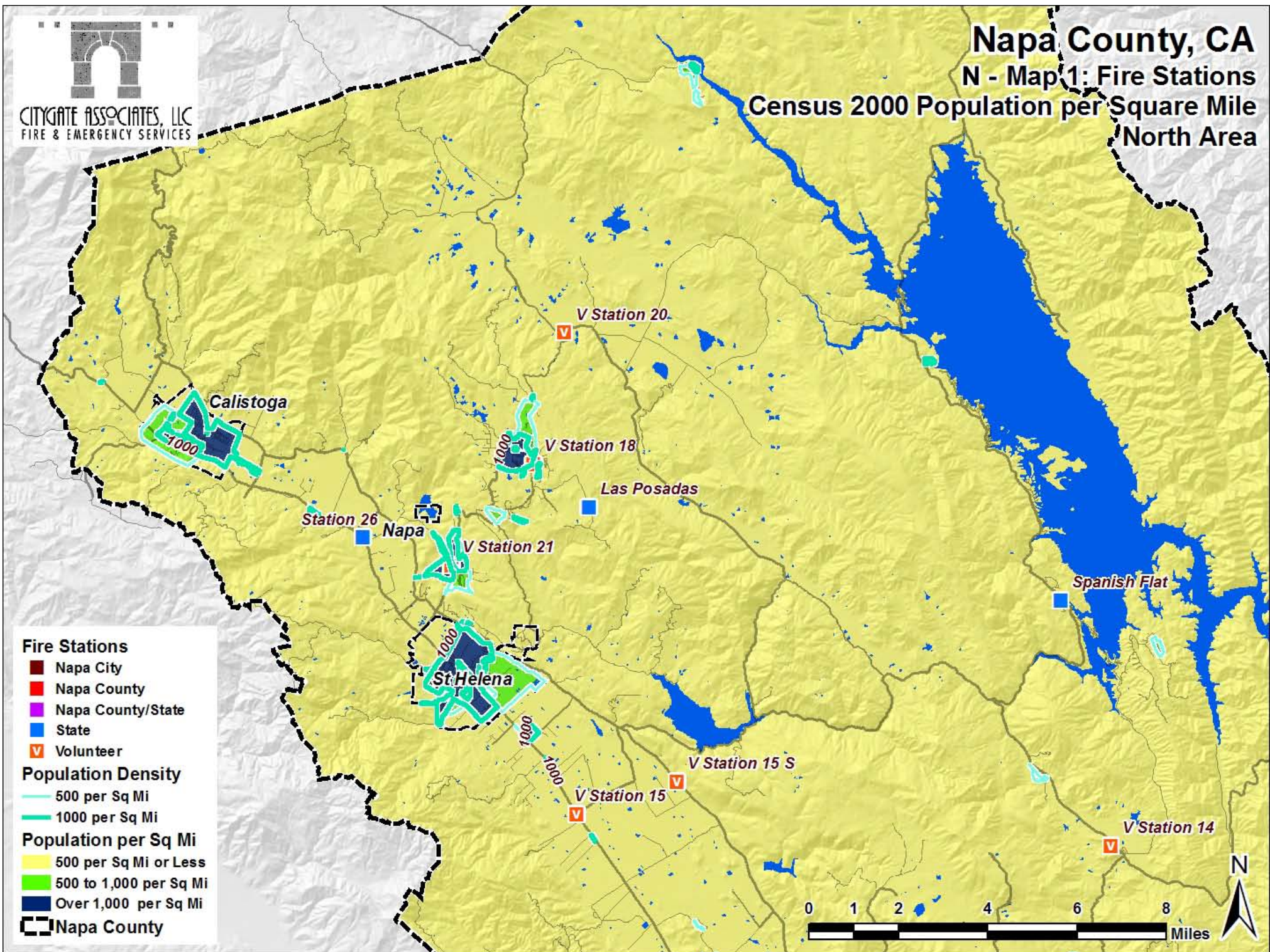
Napa County, CA

Overview - Map 1: Napa County View
Scale 1:300,000

County Fire Stations



 County Fire Stations
 Napa County



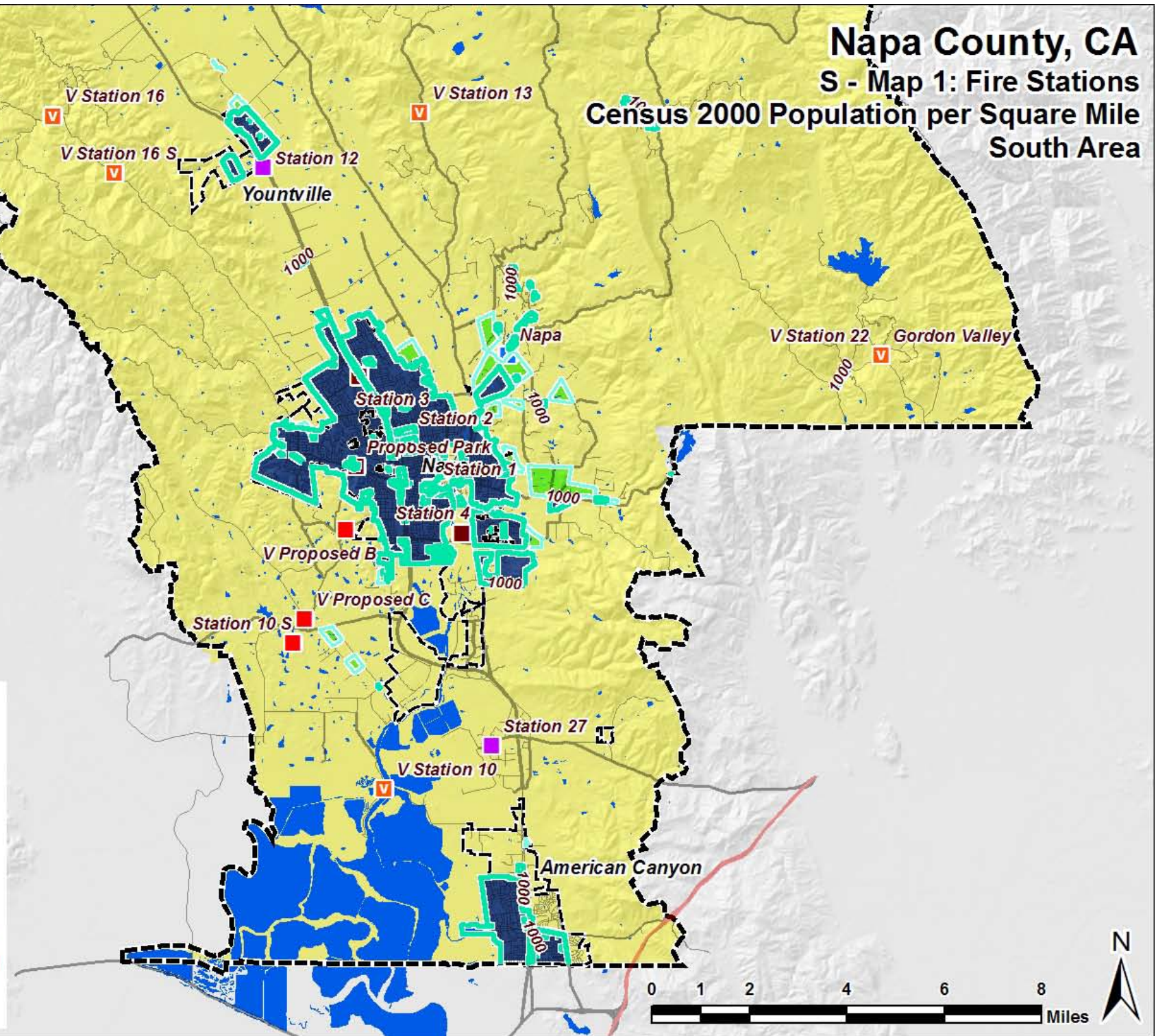
Napa County, CA

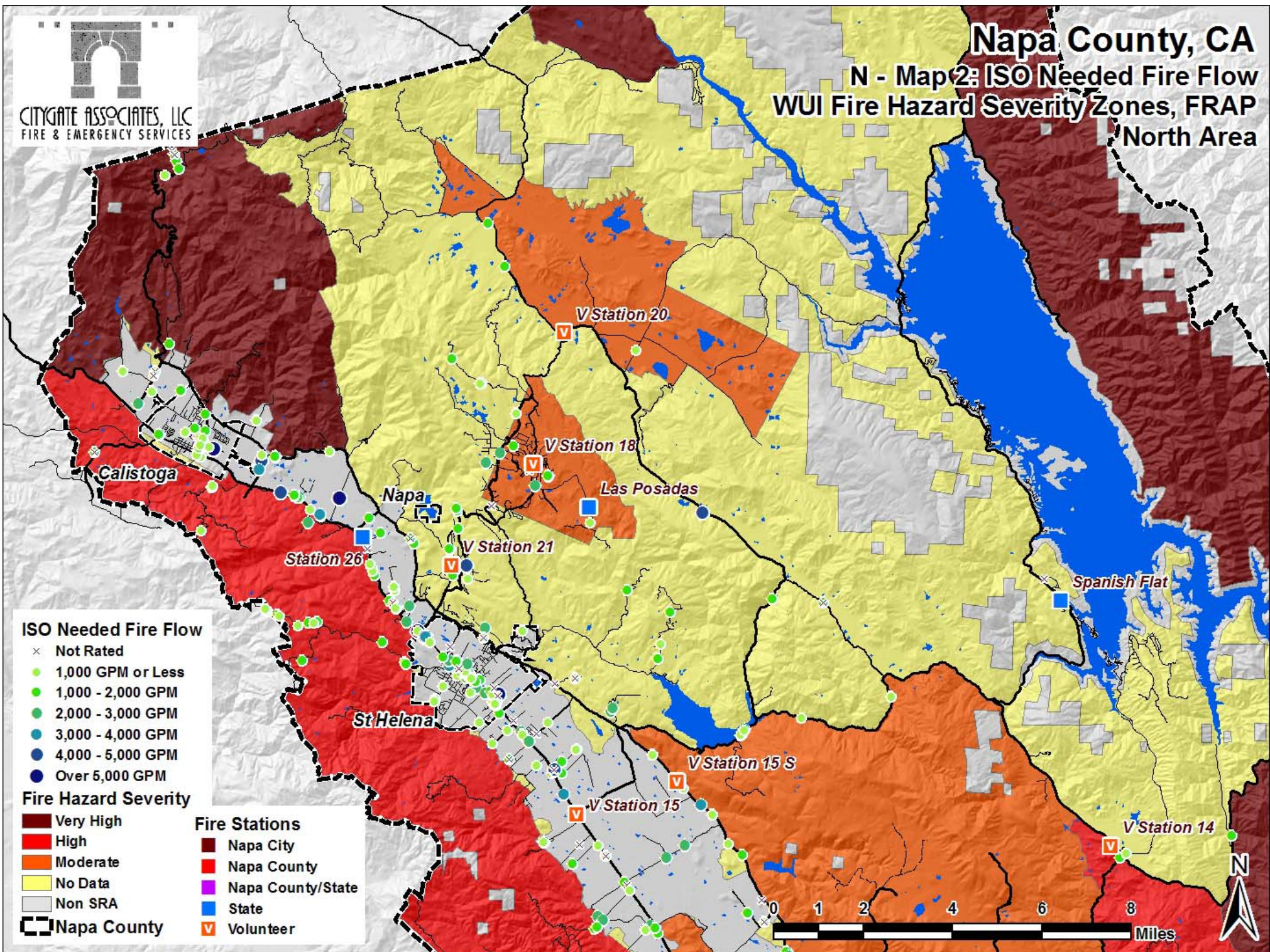
S - Map 1: Fire Stations

Census 2000 Population per Square Mile

South Area

- Fire Stations**
- Napa City
 - Napa County
 - Napa County/State
 - State
 - Volunteer
- Population Density**
- 500 per Sq Mi
 - 1000 per Sq Mi
- Population per Sq Mi**
- 500 per Sq Mi or Less
 - 500 to 1,000 per Sq Mi
 - Over 1,000 per Sq Mi
- Napa County





Napa County, CA

S - Map 2: ISO Needed Fire Flow WUI Fire Hazard Severity Zones, FRAP South Area

ISO Needed Fire Flow

- × Not Rated
- 1,000 GPM or Less
- 1,000 - 2,000 GPM
- 2,000 - 3,000 GPM
- 3,000 - 4,000 GPM
- 4,000 - 5,000 GPM
- Over 5,000 GPM

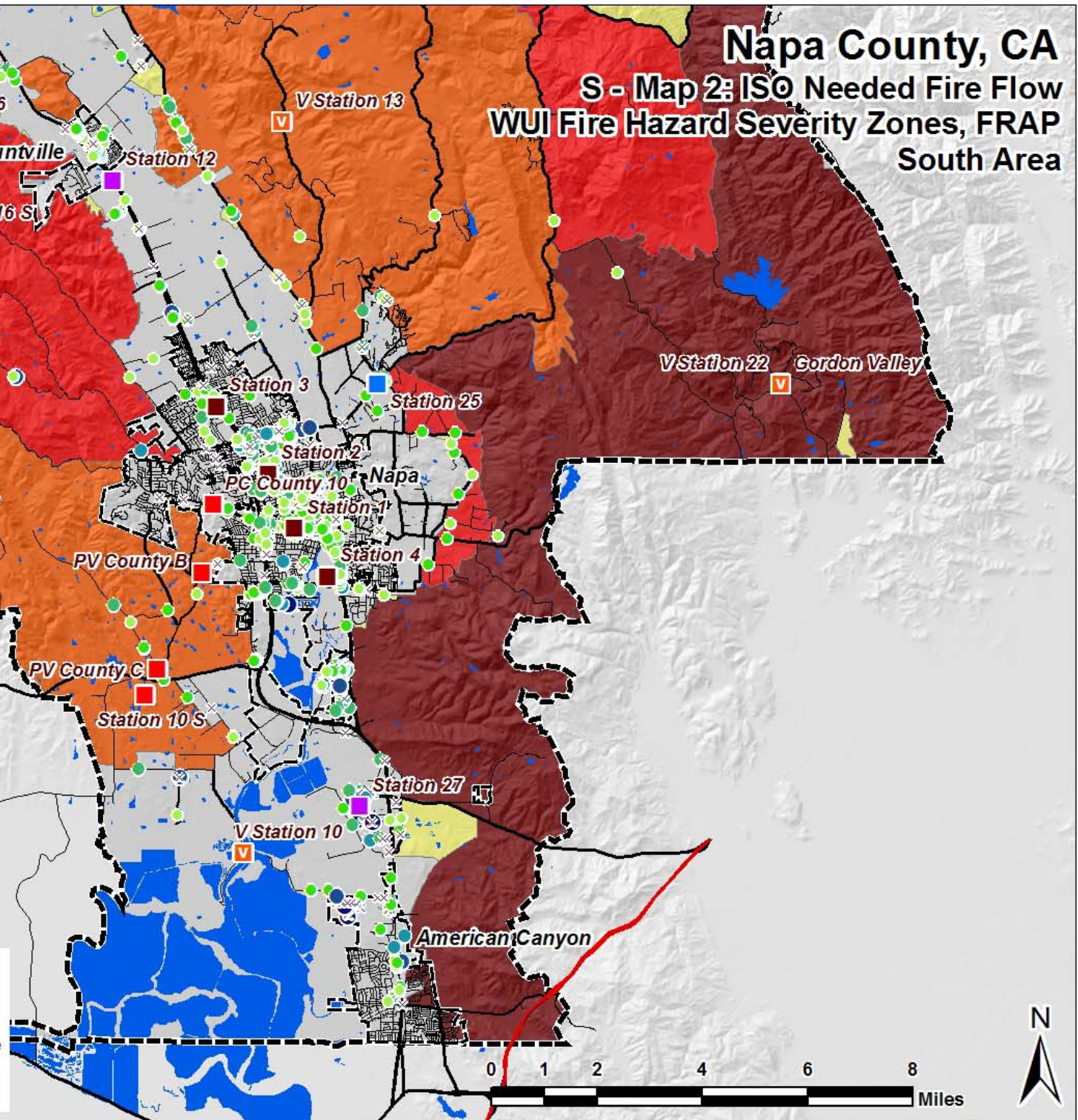
Fire Hazard Severity

- Very High
- High
- Moderate
- No Data
- Non SRA

Napa County

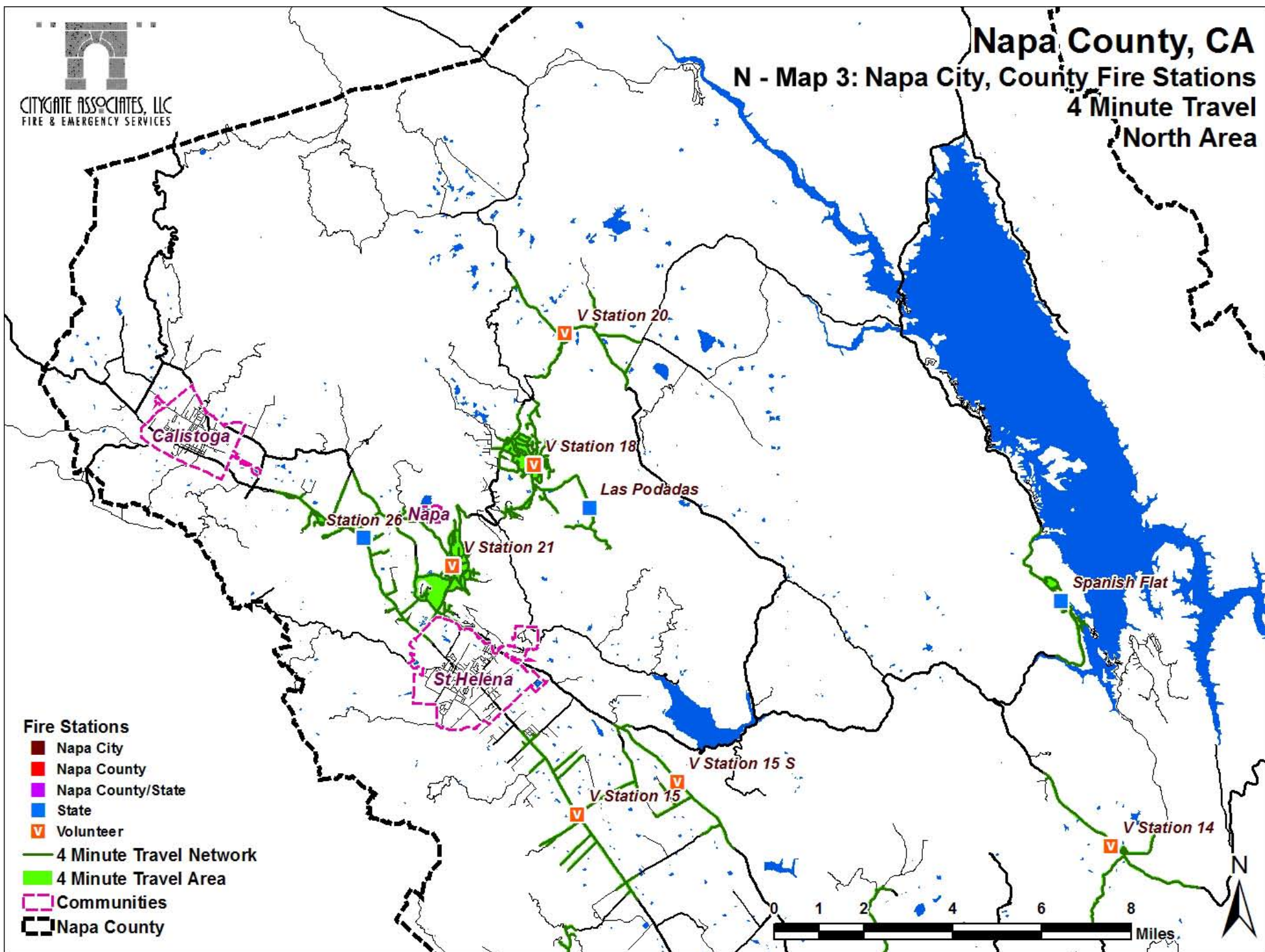
Fire Stations

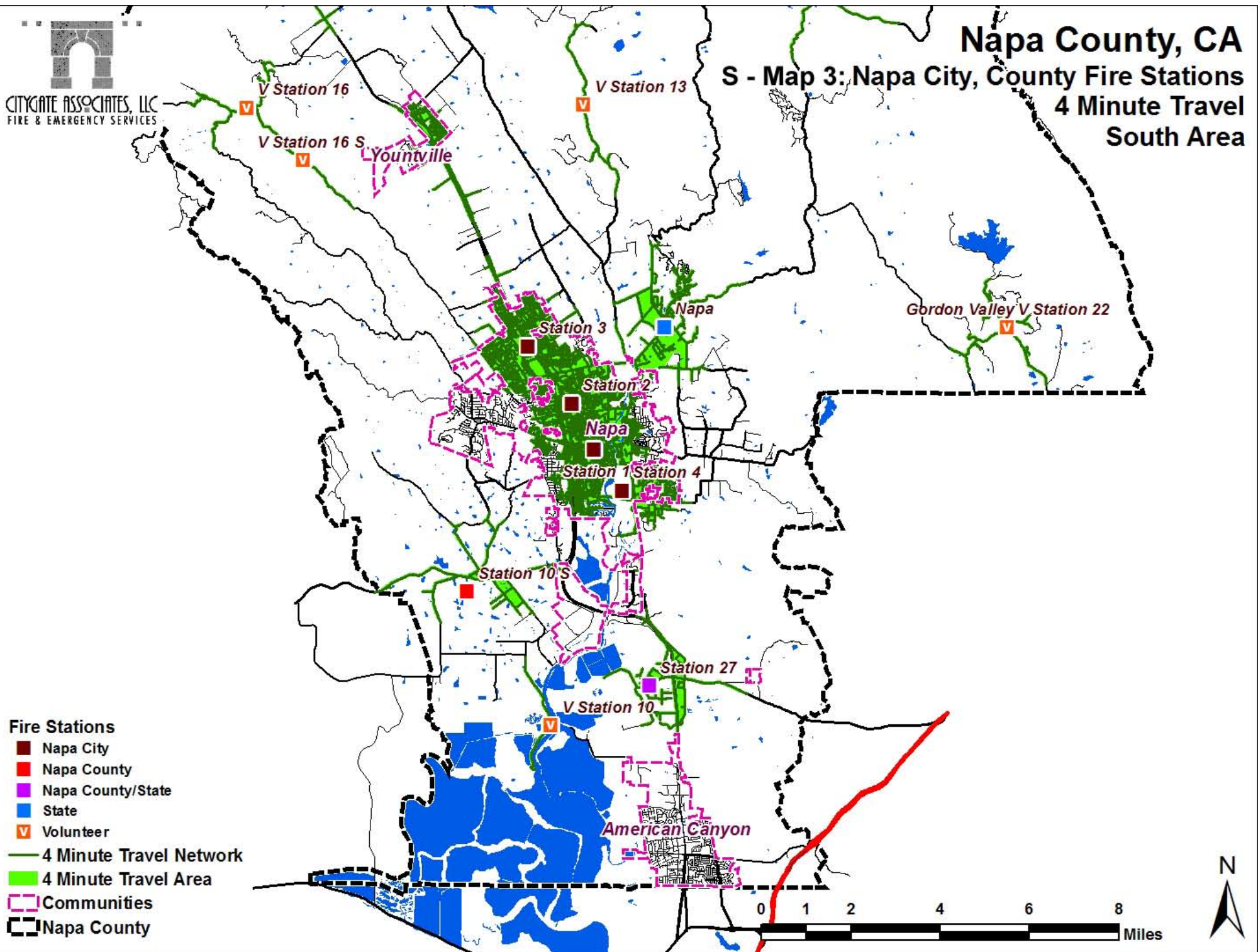
- Napa City
- Napa County
- Napa County/State
- State
- Volunteer



Napa County, CA

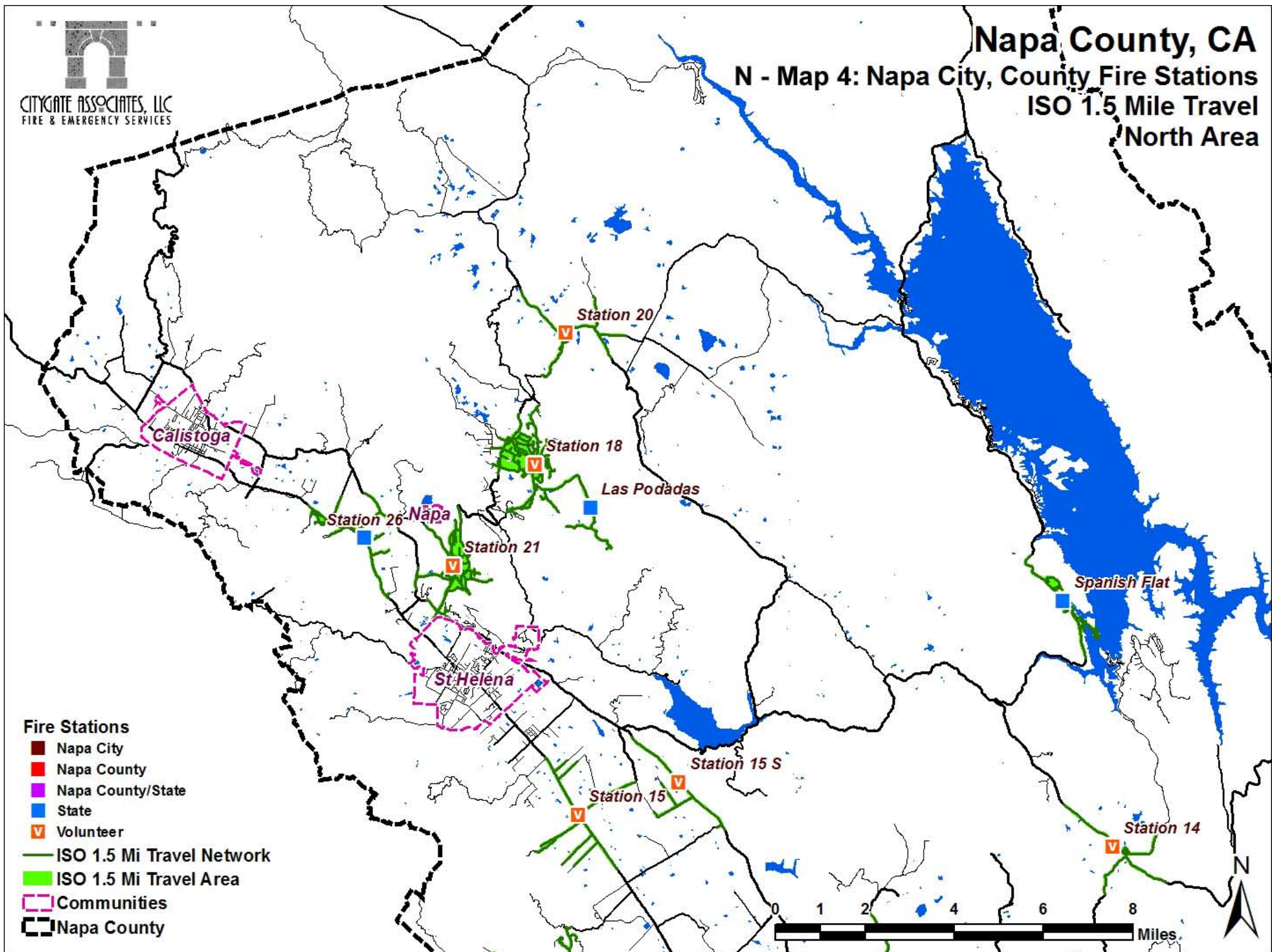
N - Map 3: Napa City, County Fire Stations 4 Minute Travel North Area

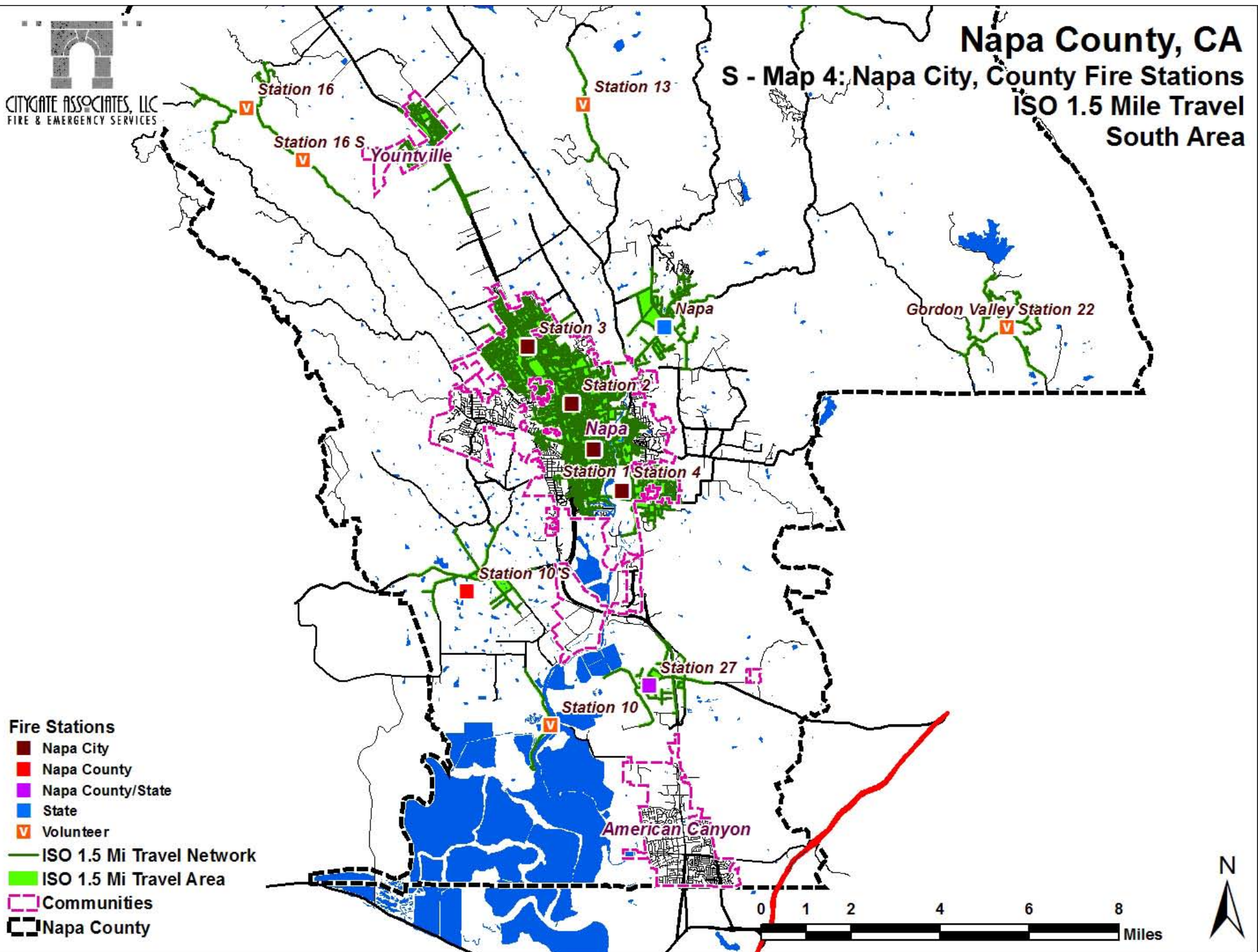




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N - Map 4: Napa City, County Fire Stations ISO 1.5 Mile Travel North Area

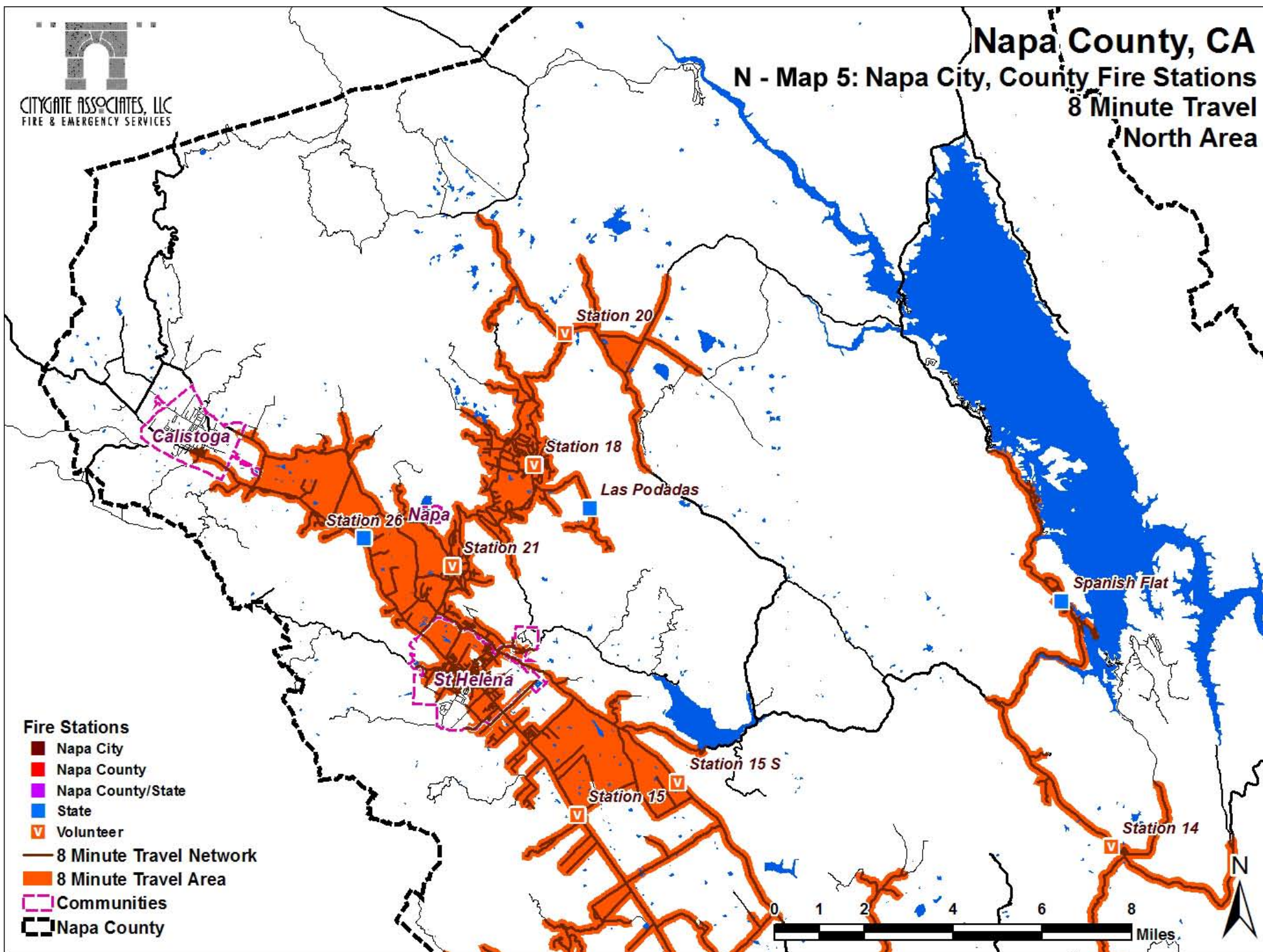




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N - Map 5: Napa City, County Fire Stations

8 Minute Travel North Area

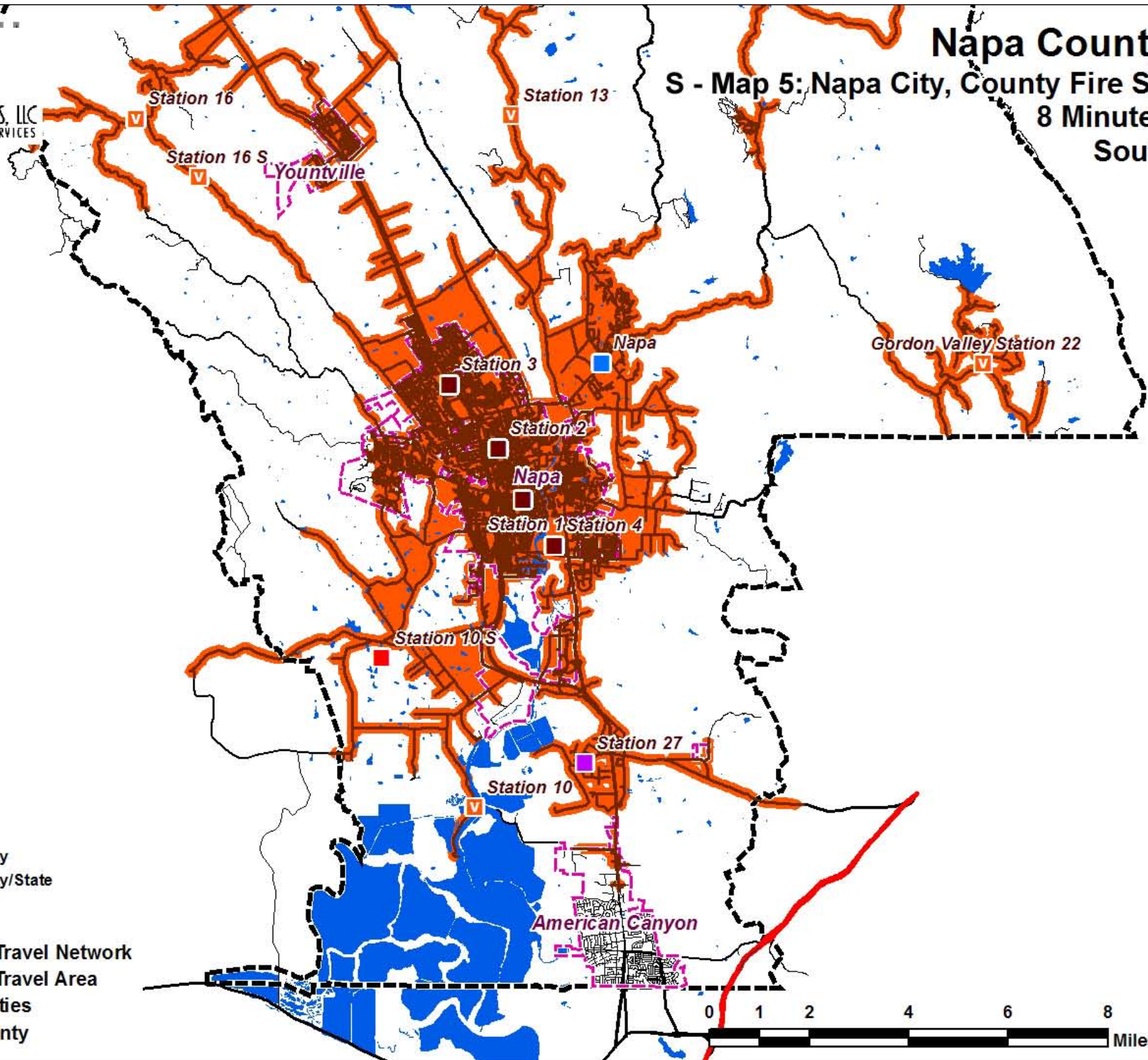


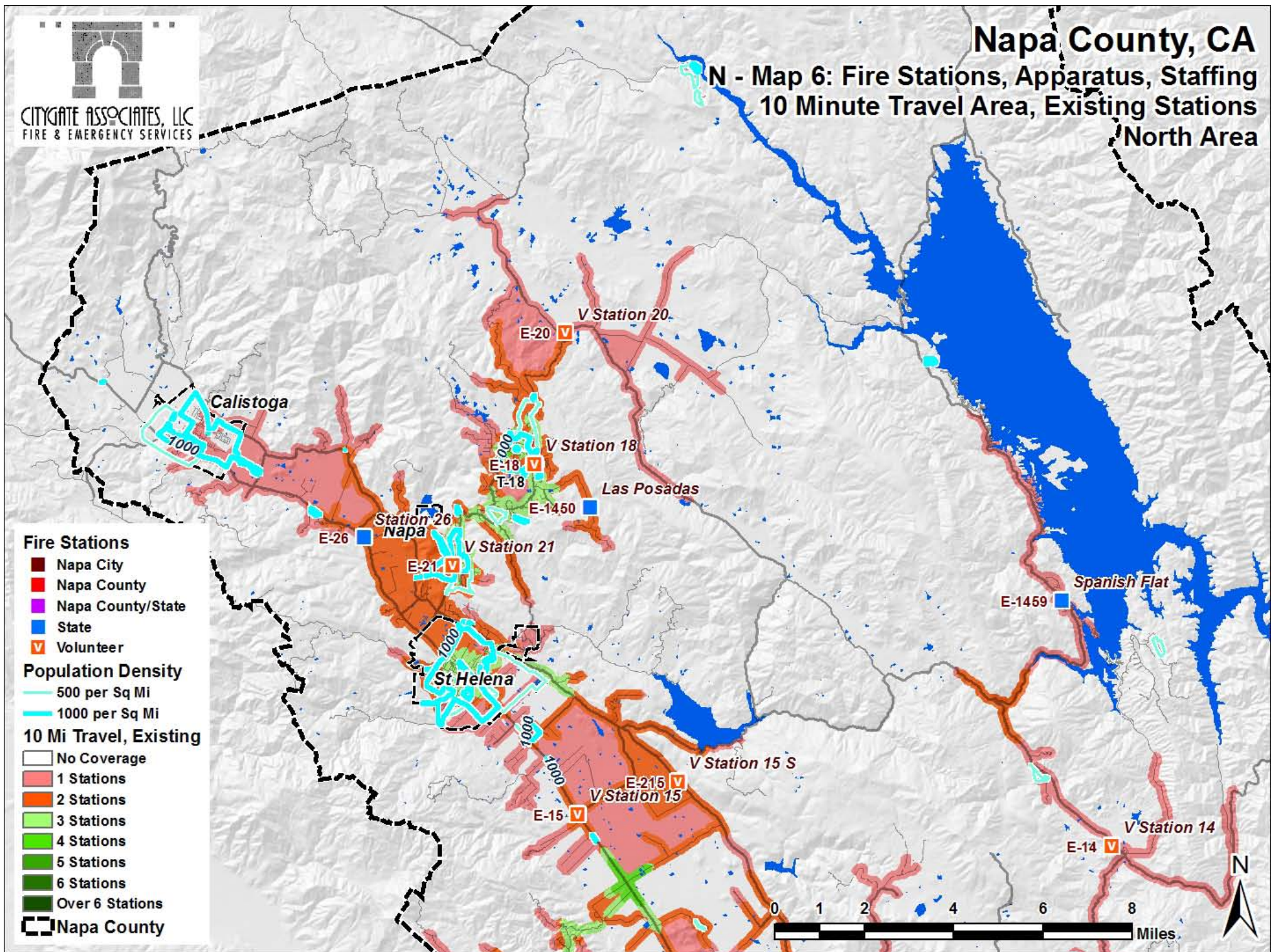
Napa County, CA

S - Map 5: Napa City, County Fire Stations 8 Minute Travel South Area

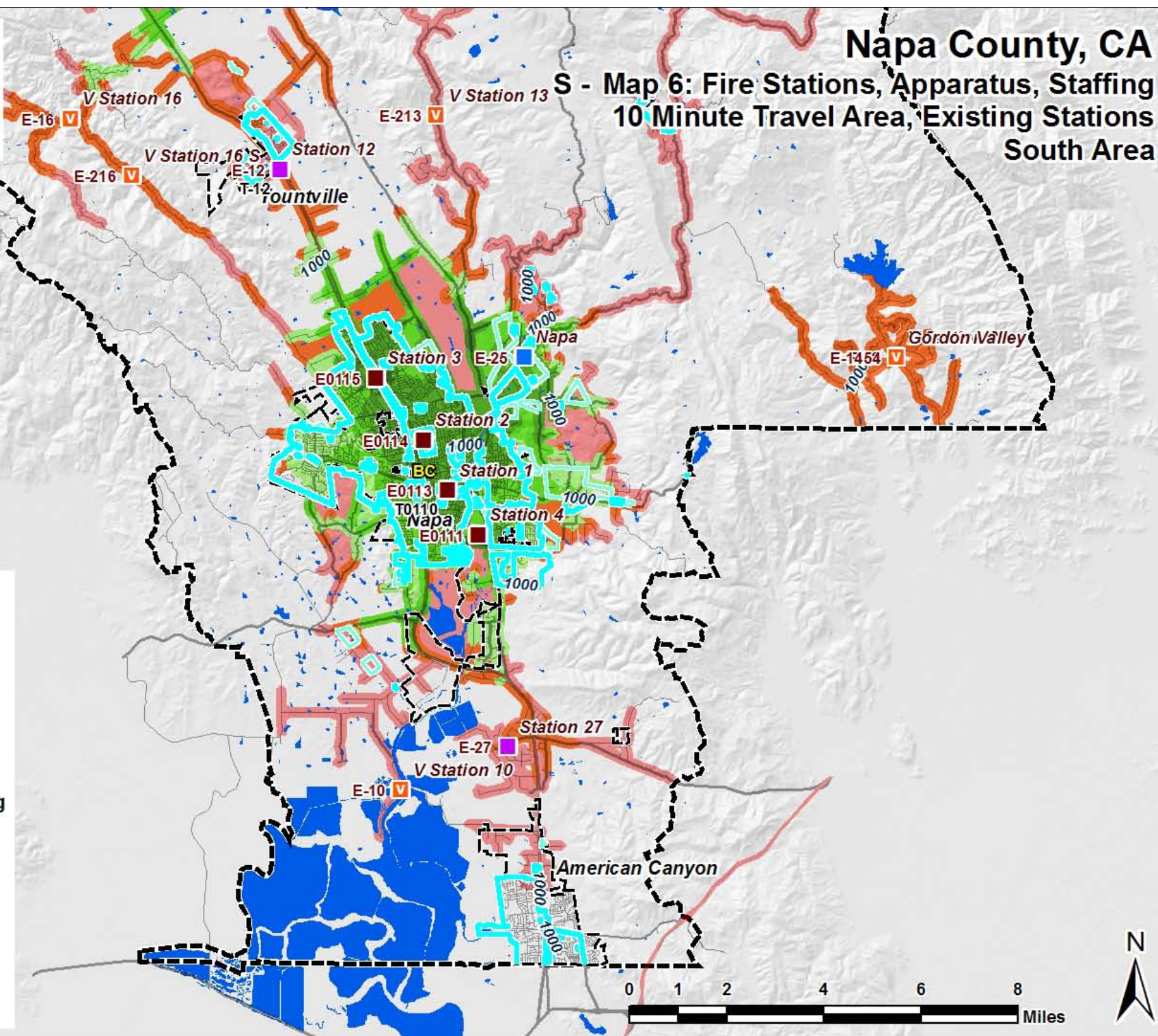
Fire Stations

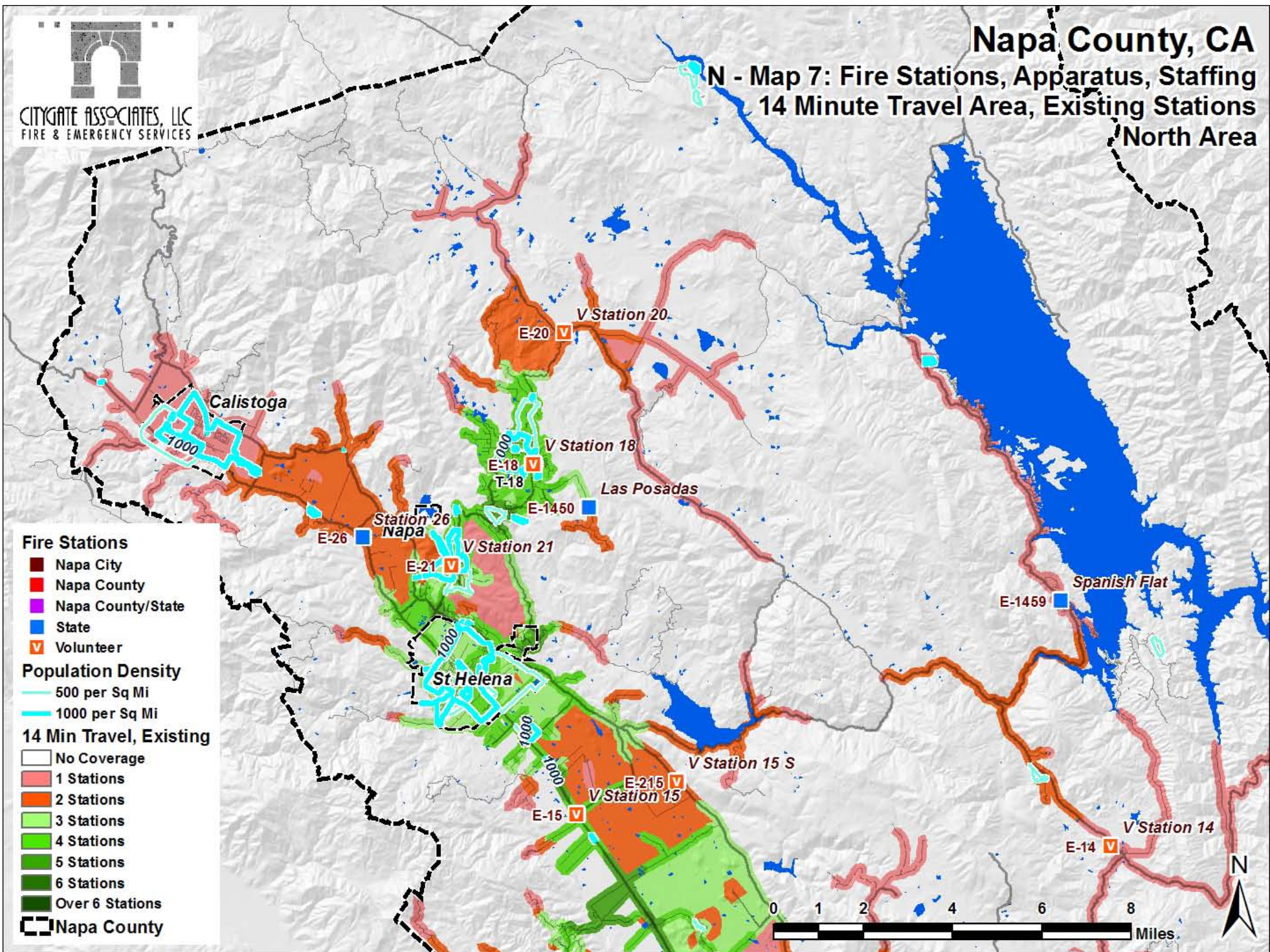
- Napa City
- Napa County
- Napa County/State
- State
- Ⓥ Volunteer
- 8 Minute Travel Network
- 8 Minute Travel Area
- ▭ Communities
- ▭ Napa County



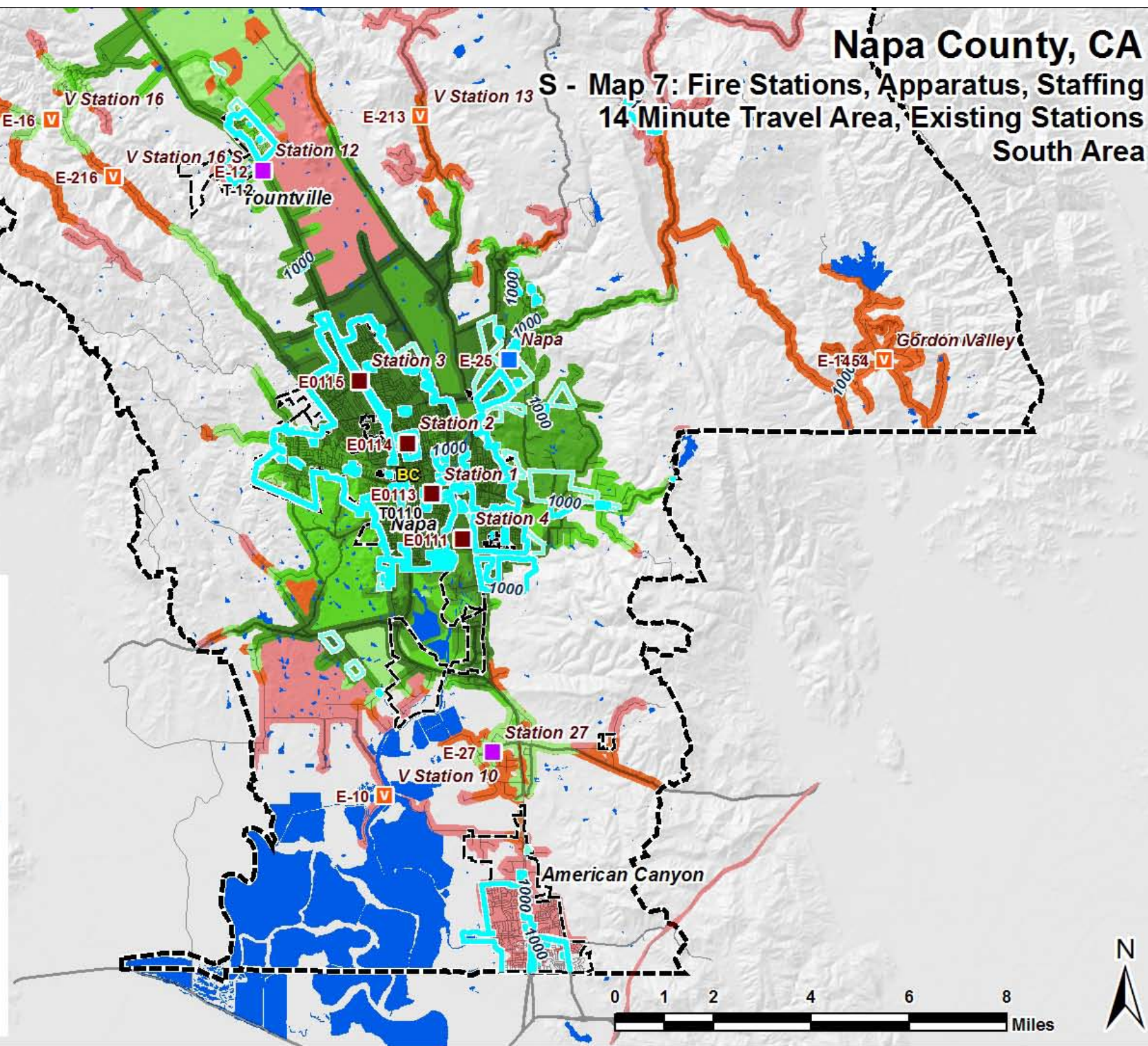


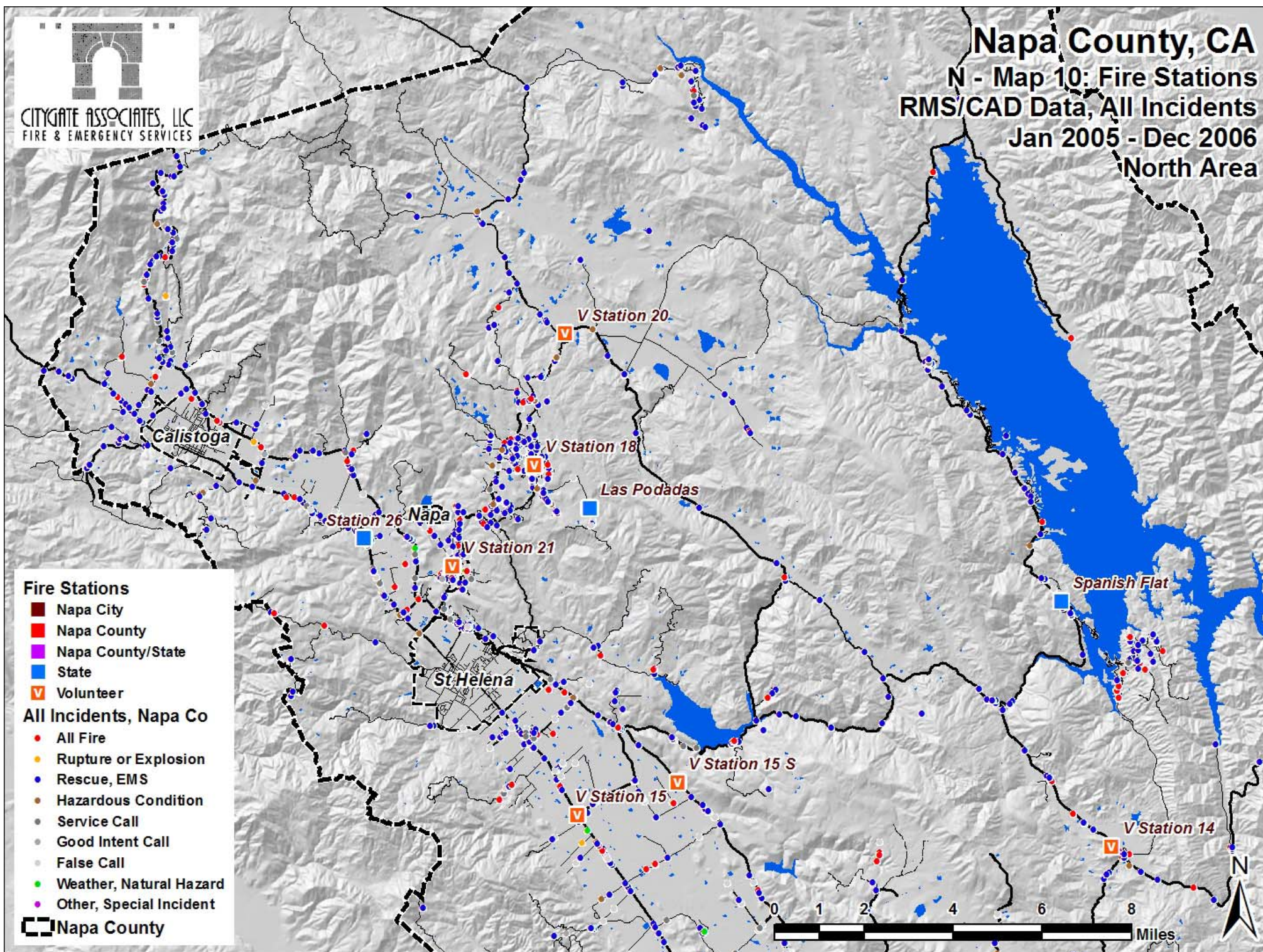
- Fire Stations**
- Napa City
 - Napa County
 - Napa County/State
 - State
 - Volunteer
- Population Density**
- 500 per Sq Mi
 - 1000 per Sq Mi
- 10 Mi Travel, Existing**
- No Coverage
 - 1 Stations
 - 2 Stations
 - 3 Stations
 - 4 Stations
 - 5 Stations
 - 6 Stations
 - Over 6 Stations
 - Napa County





- Fire Stations**
- Napa City
 - Napa County
 - Napa County/State
 - State
 - Volunteer
- Population Density**
- 500 per Sq Mi
 - 1000 per Sq Mi
- 14 Min Travel, Existing**
- No Coverage
 - 1 Stations
 - 2 Stations
 - 3 Stations
 - 4 Stations
 - 5 Stations
 - 6 Stations
 - Over 6 Stations
- Napa County





Napa County, CA

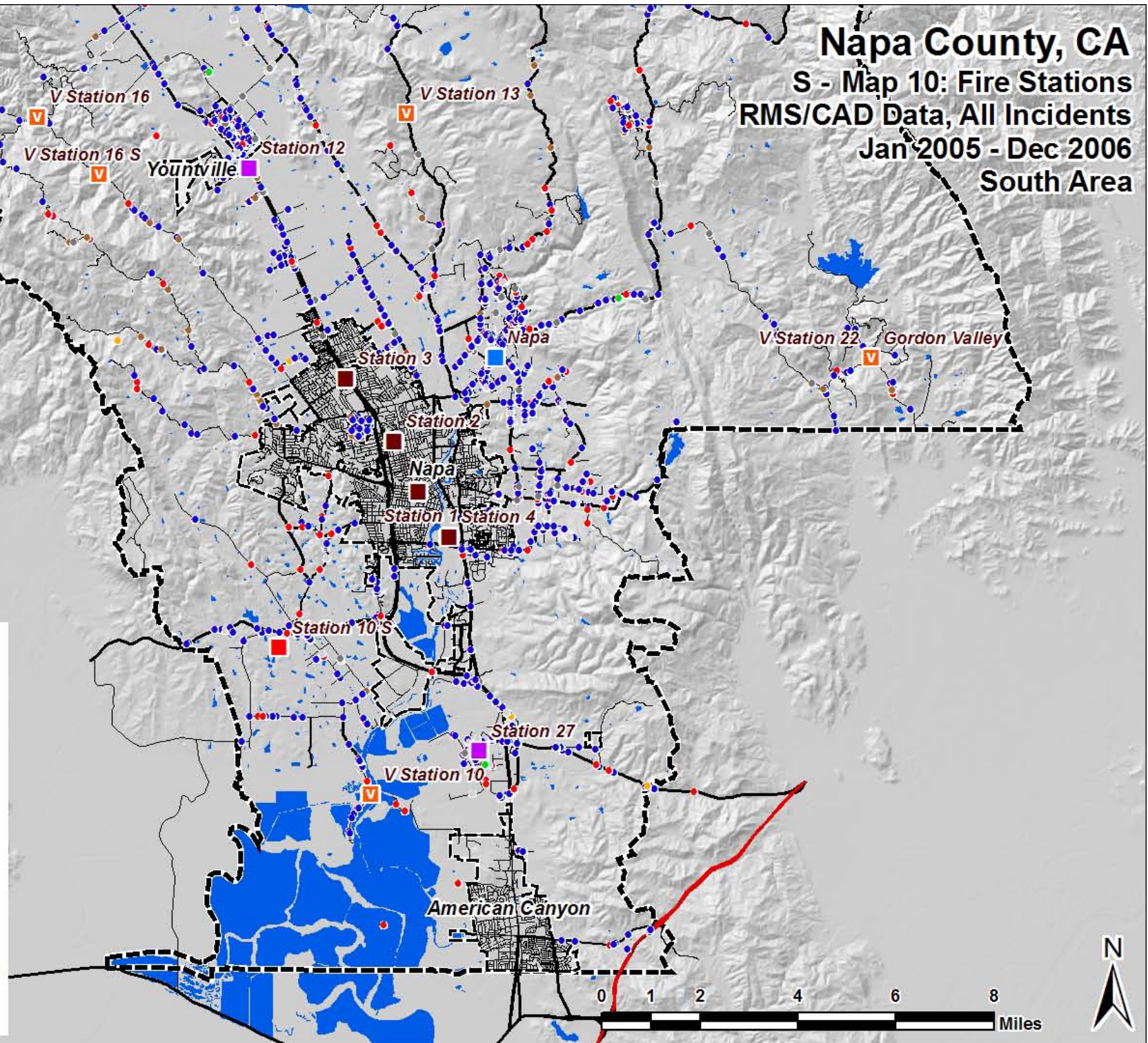
S - Map 10: Fire Stations

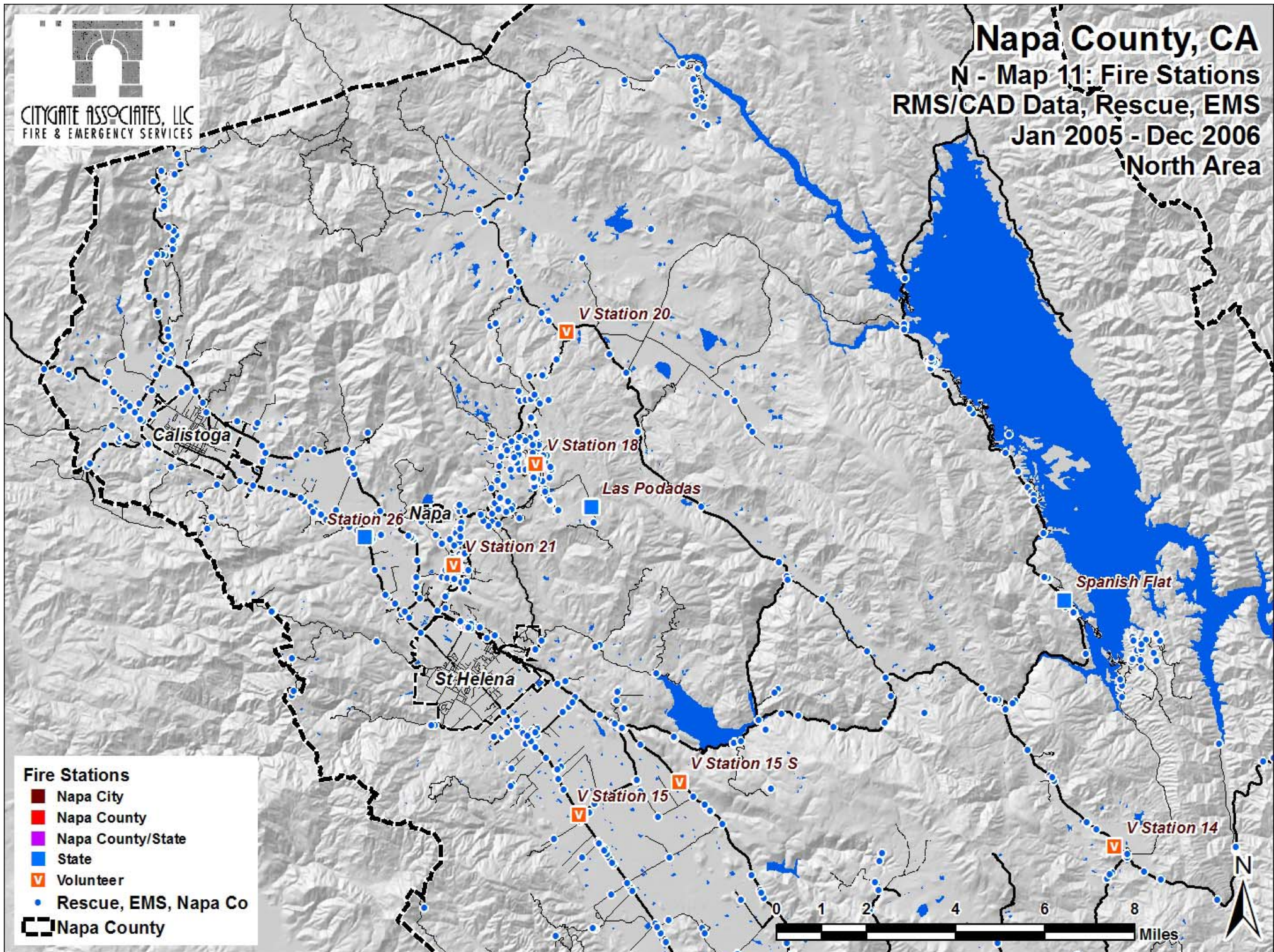
RMS/CAD Data, All Incidents

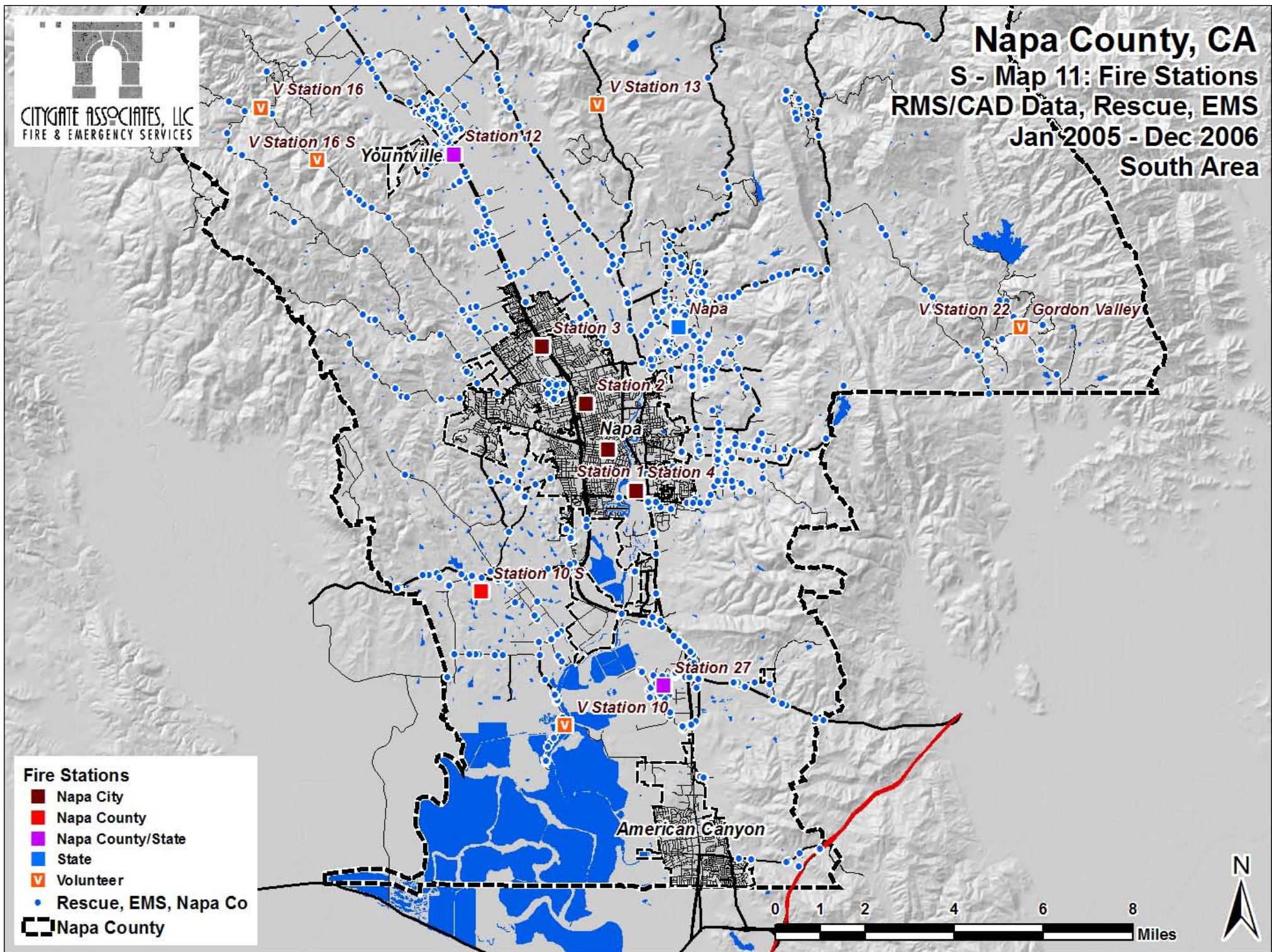
Jan 2005 - Dec 2006

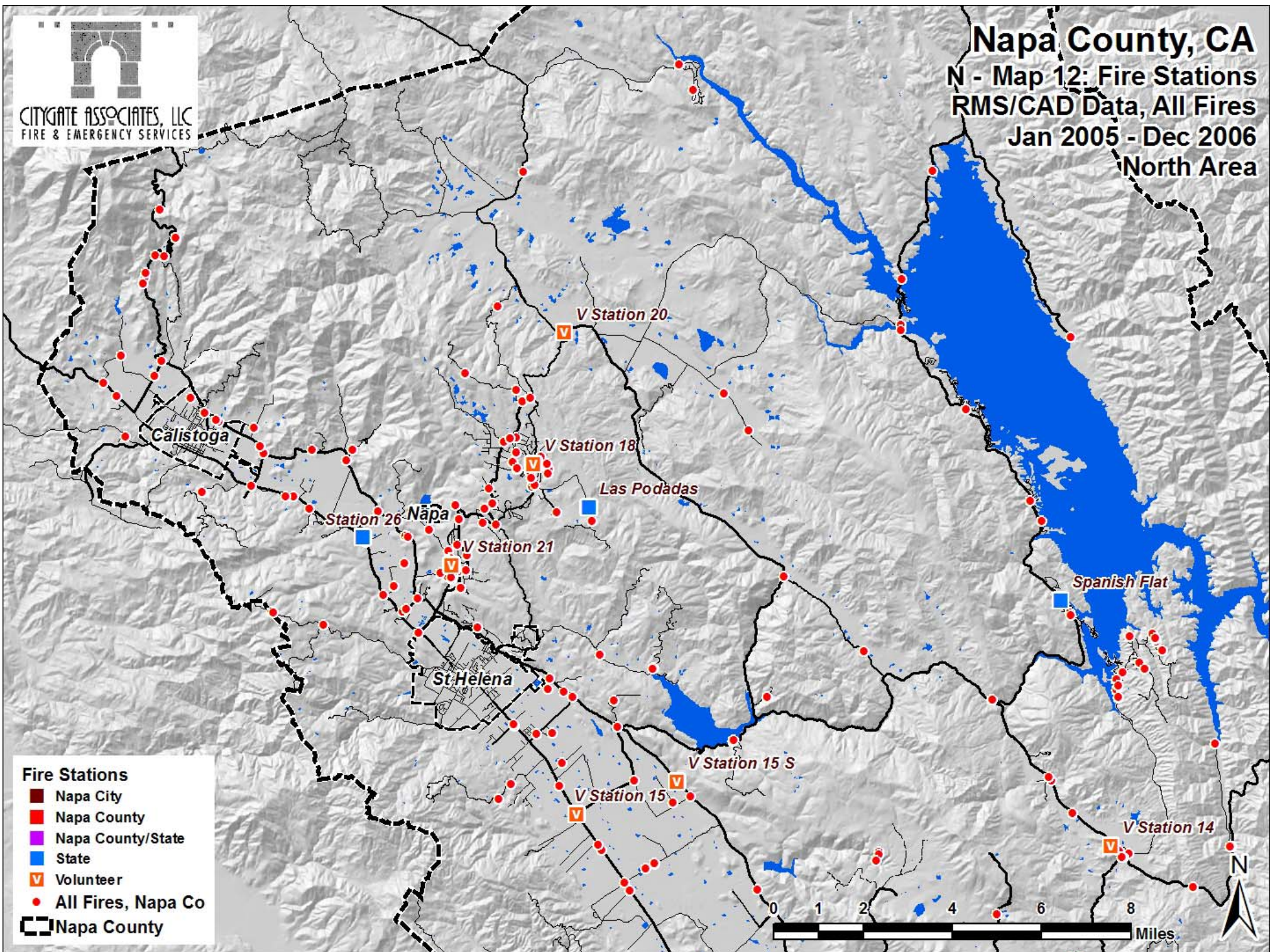
South Area

- Fire Stations**
- Napa City
 - Napa County
 - Napa County/State
 - State
 - Volunteer
- All Incidents, Napa Co**
- All Fire
 - Rupture or Explosion
 - Rescue, EMS
 - Hazardous Condition
 - Service Call
 - Good Intent Call
 - False Call
 - Weather, Natural Hazard
 - Other, Special Incident
- Napa County









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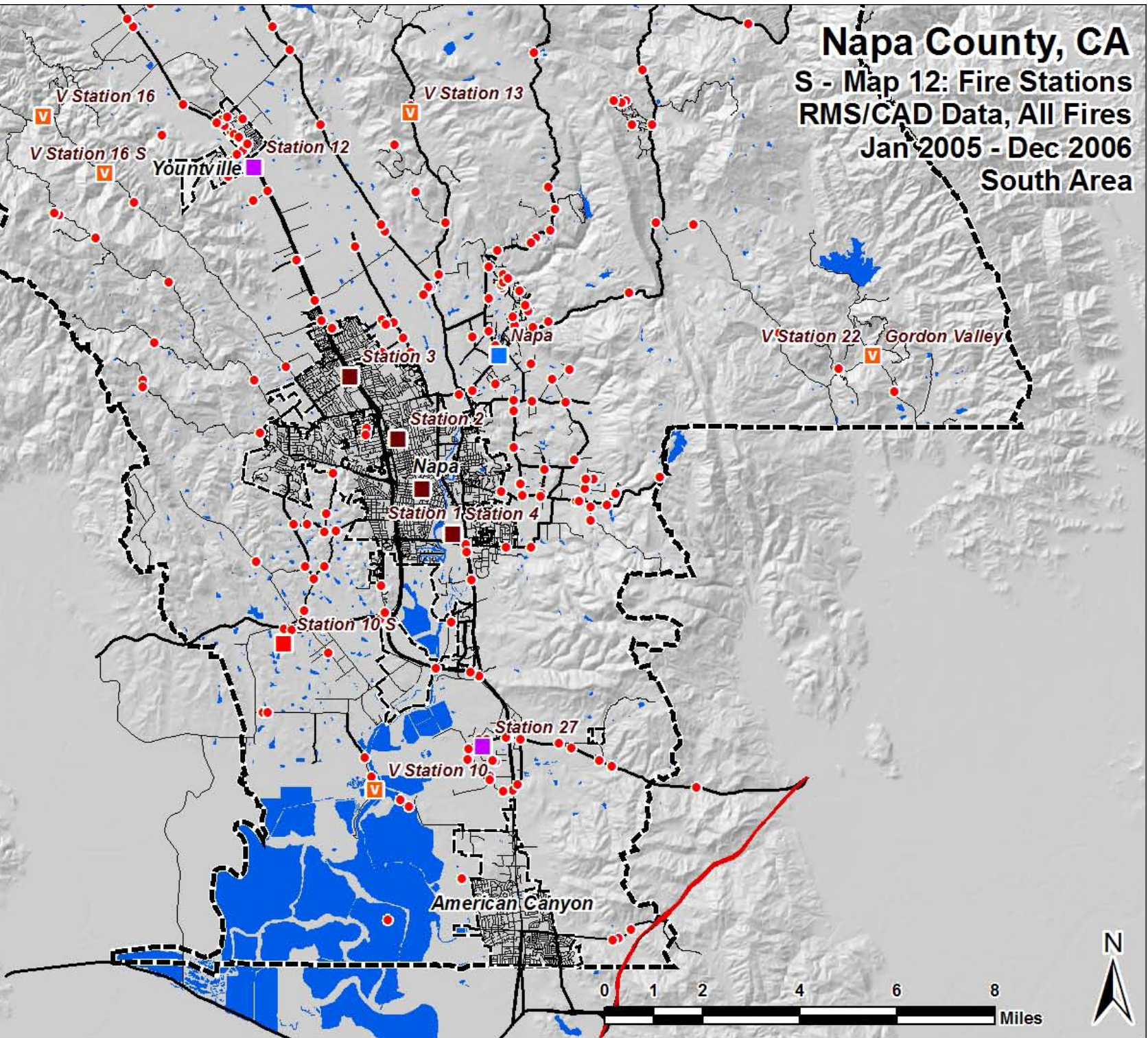
S - Map 12: Fire Stations

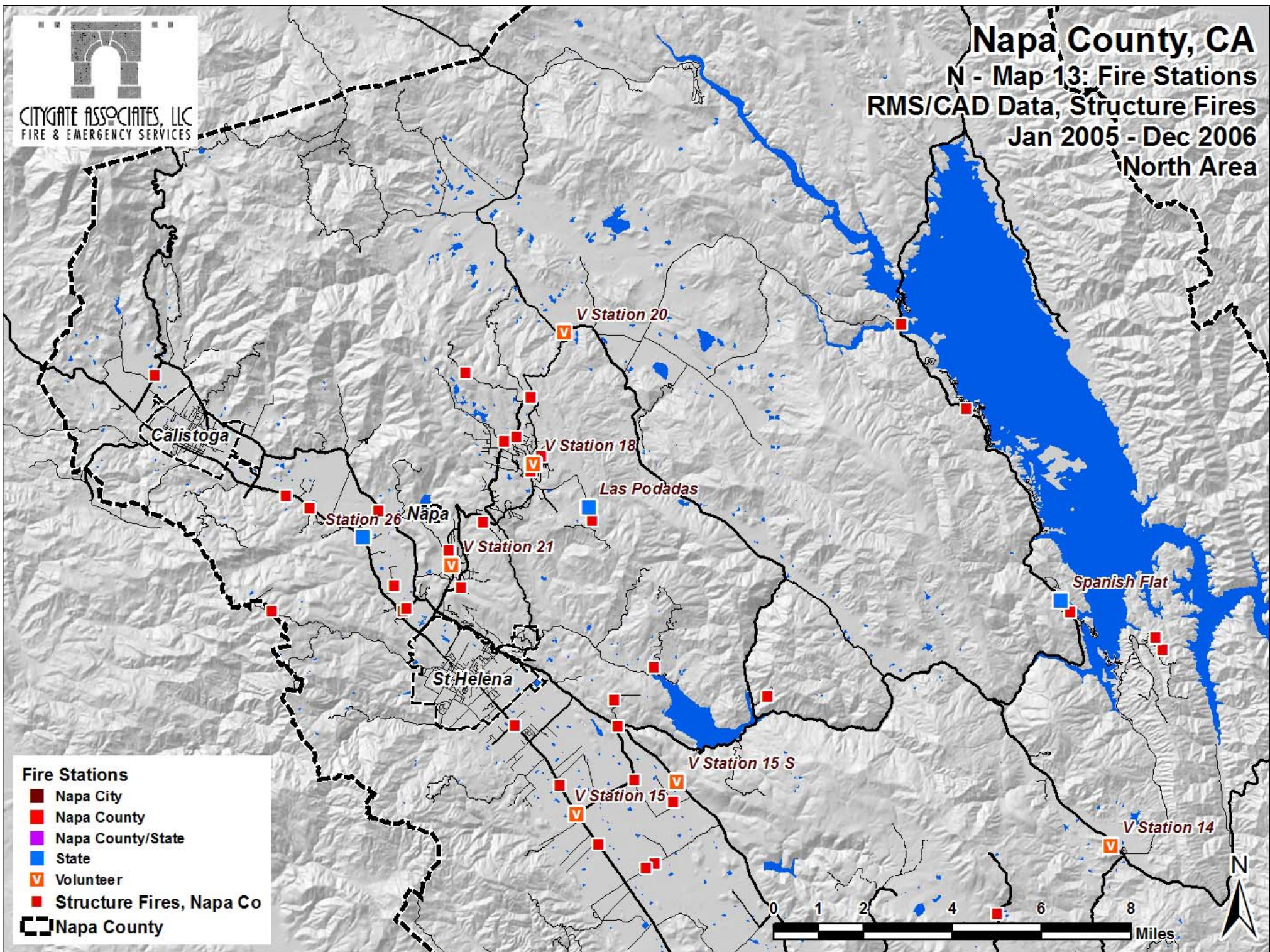
RMS/CAD Data, All Fires

Jan 2005 - Dec 2006

South Area

- Fire Stations**
- Napa City
 - Napa County
 - Napa County/State
 - State
 - Volunteer
 - All Fires, Napa Co
 - ▭ Napa County





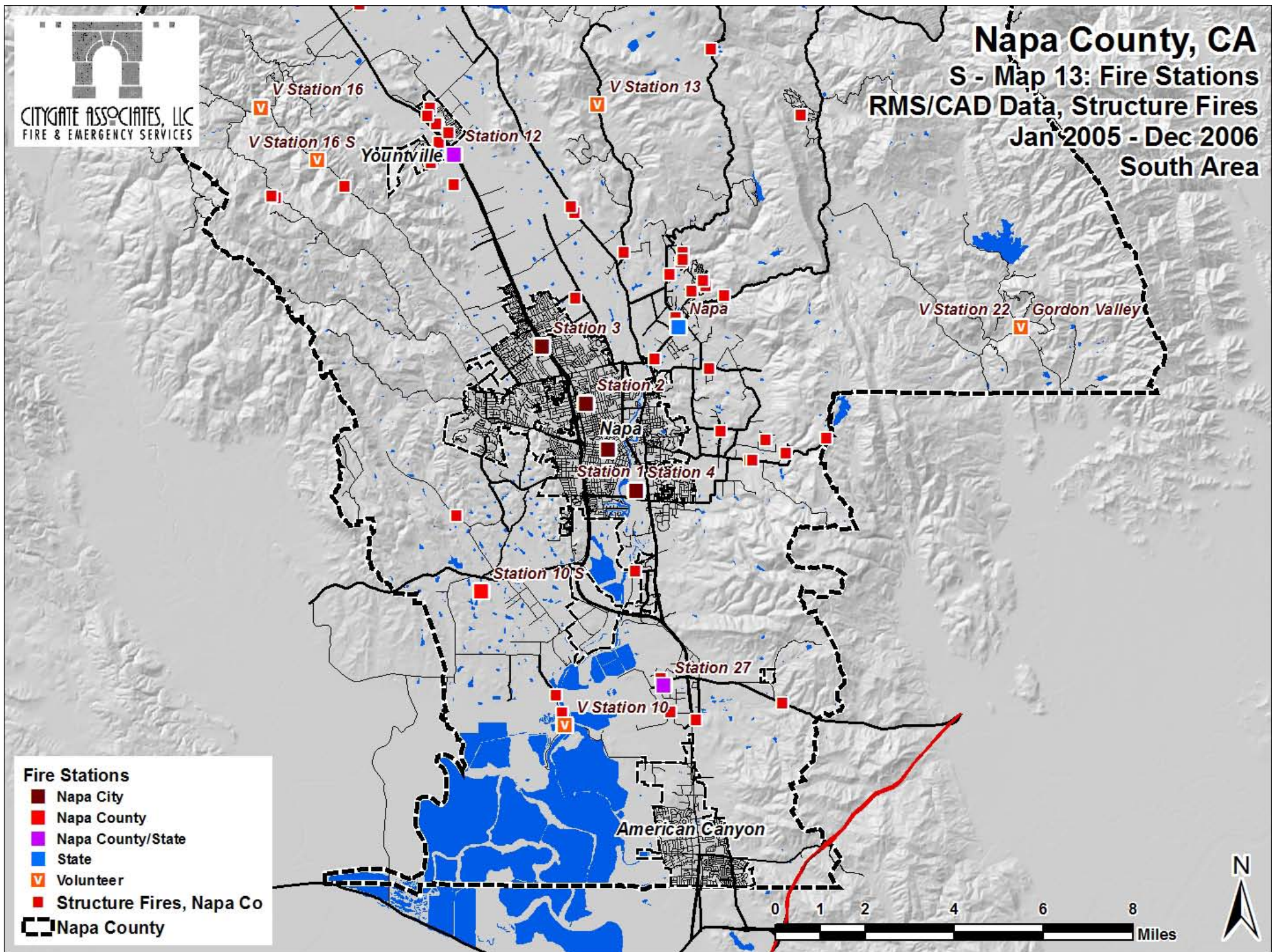
Napa County, CA

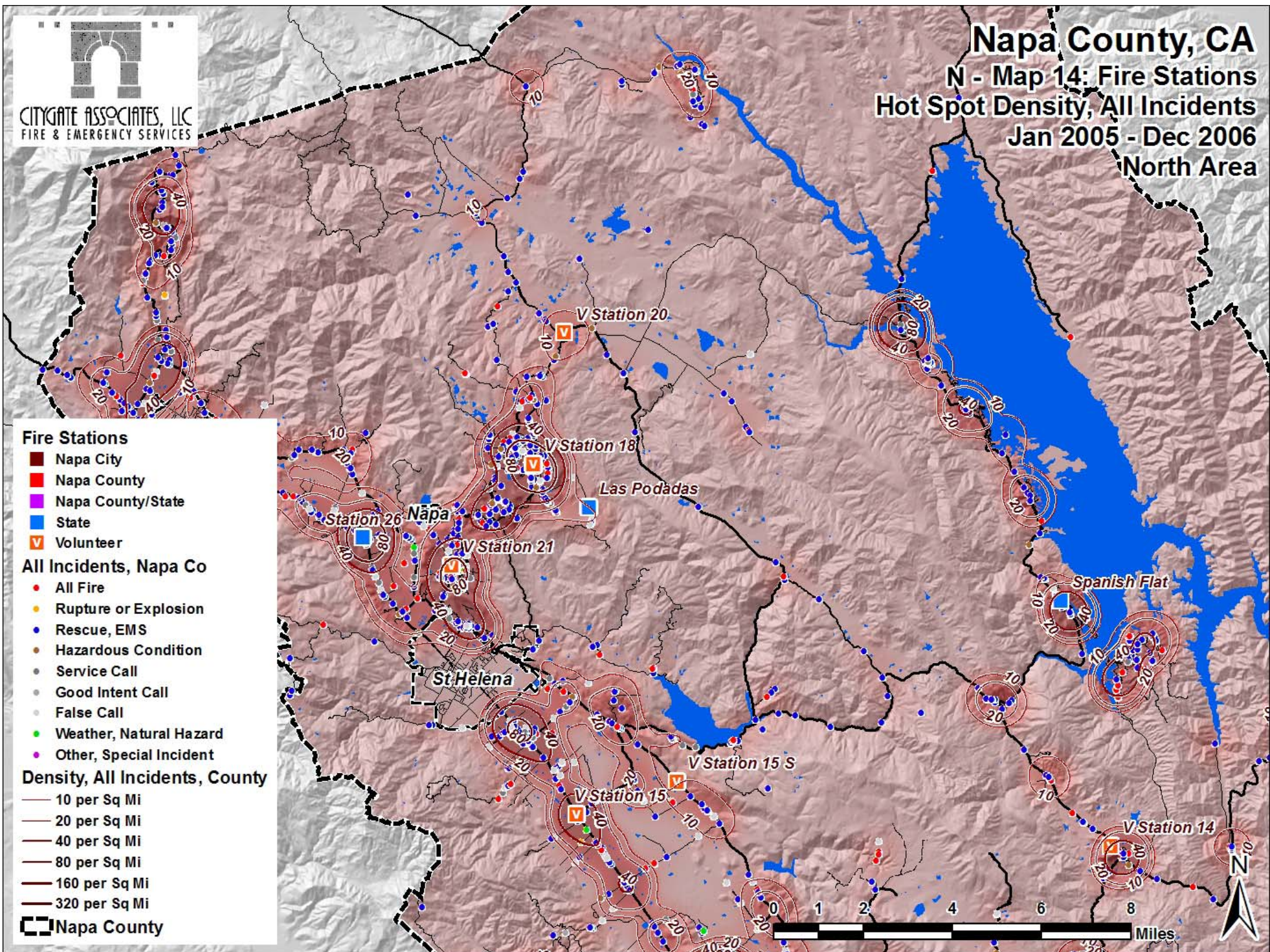
S - Map 13: Fire Stations

RMS/CAD Data, Structure Fires

Jan 2005 - Dec 2006

South Area

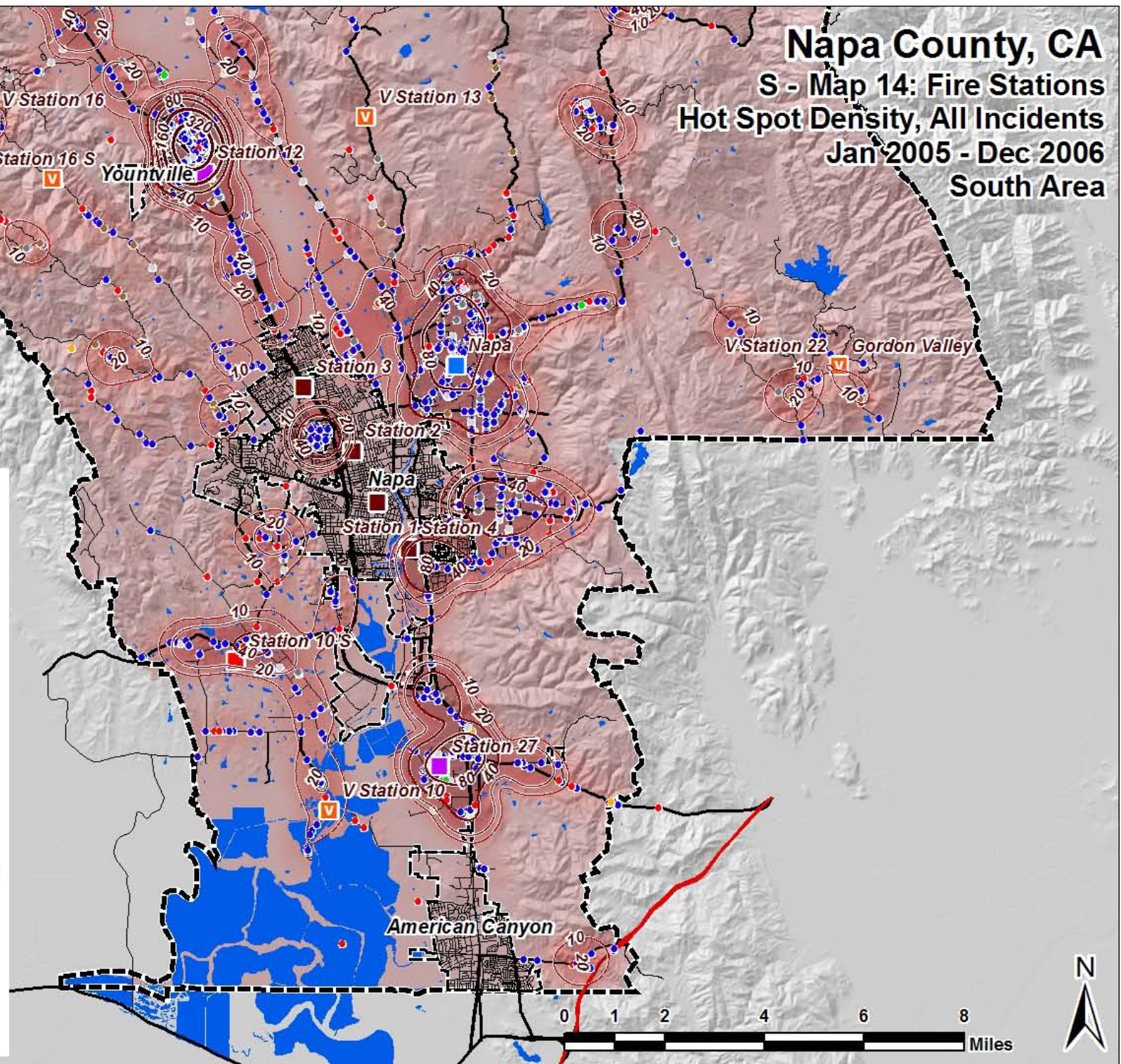


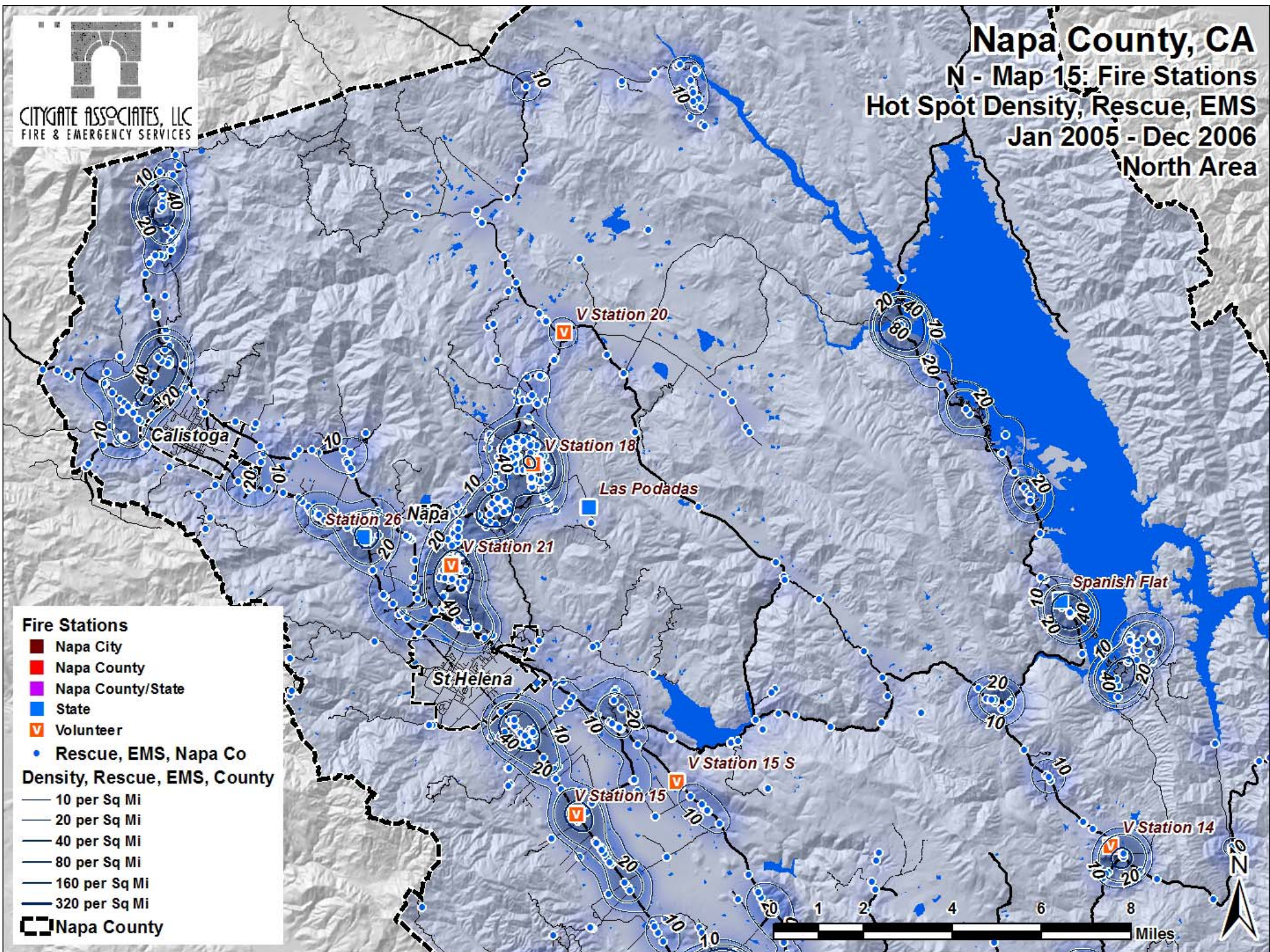


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S - Map 14: Fire Stations Hot Spot Density, All Incidents Jan 2005 - Dec 2006 South Area

- Fire Stations**
- Napa City
 - Napa County
 - Napa County/State
 - State
 - Volunteer
- All Incidents, Napa Co**
- All Fire
 - Rupture or Explosion
 - Rescue, EMS
 - Hazardous Condition
 - Service Call
 - Good Intent Call
 - False Call
 - Weather, Natural Hazard
 - Other, Special Incident
- Density, All Incidents, County**
- 10 per Sq Mi
 - 20 per Sq Mi
 - 40 per Sq Mi
 - 80 per Sq Mi
 - 160 per Sq Mi
 - 320 per Sq Mi
- Napa County





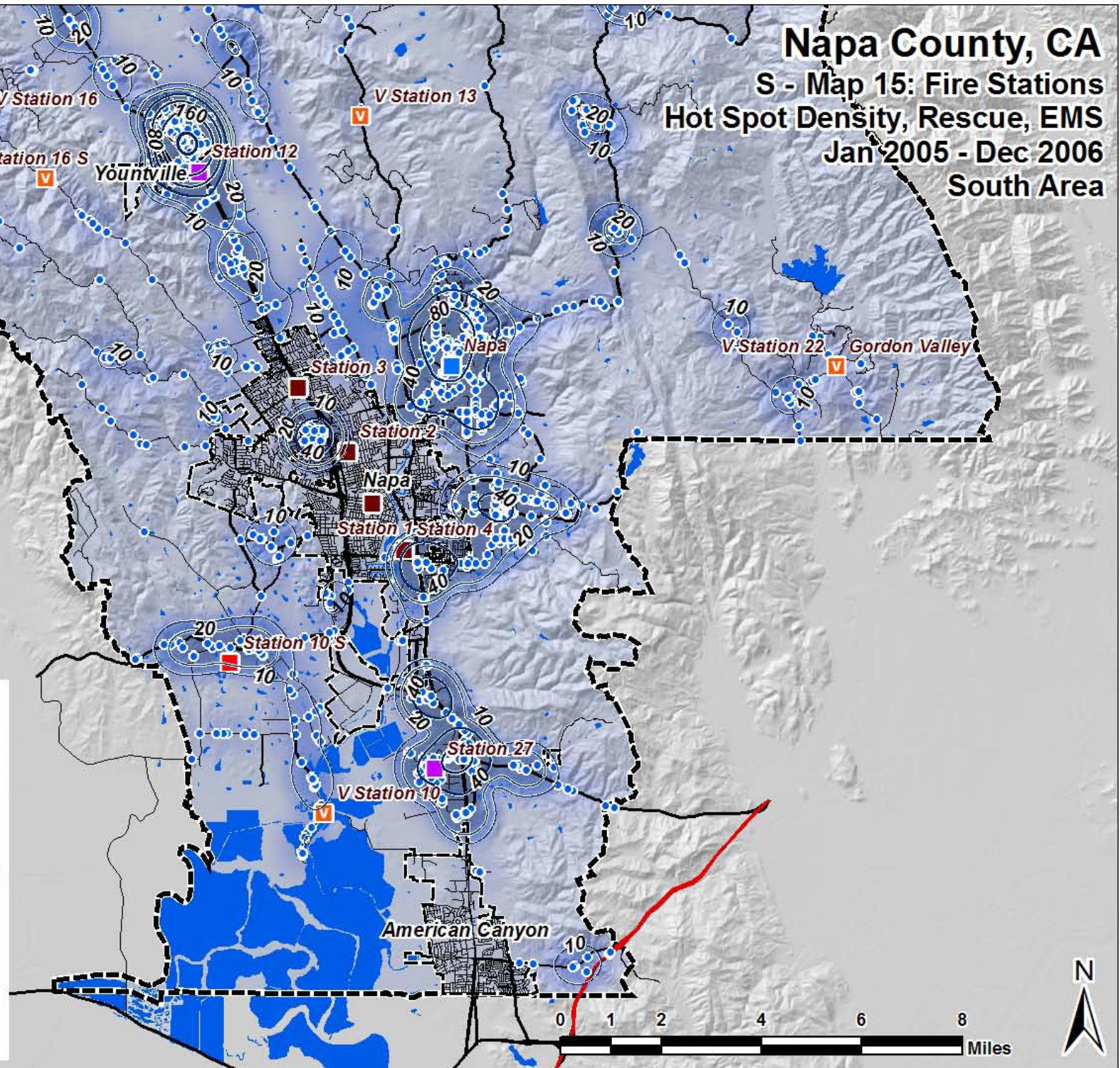
Napa County, CA

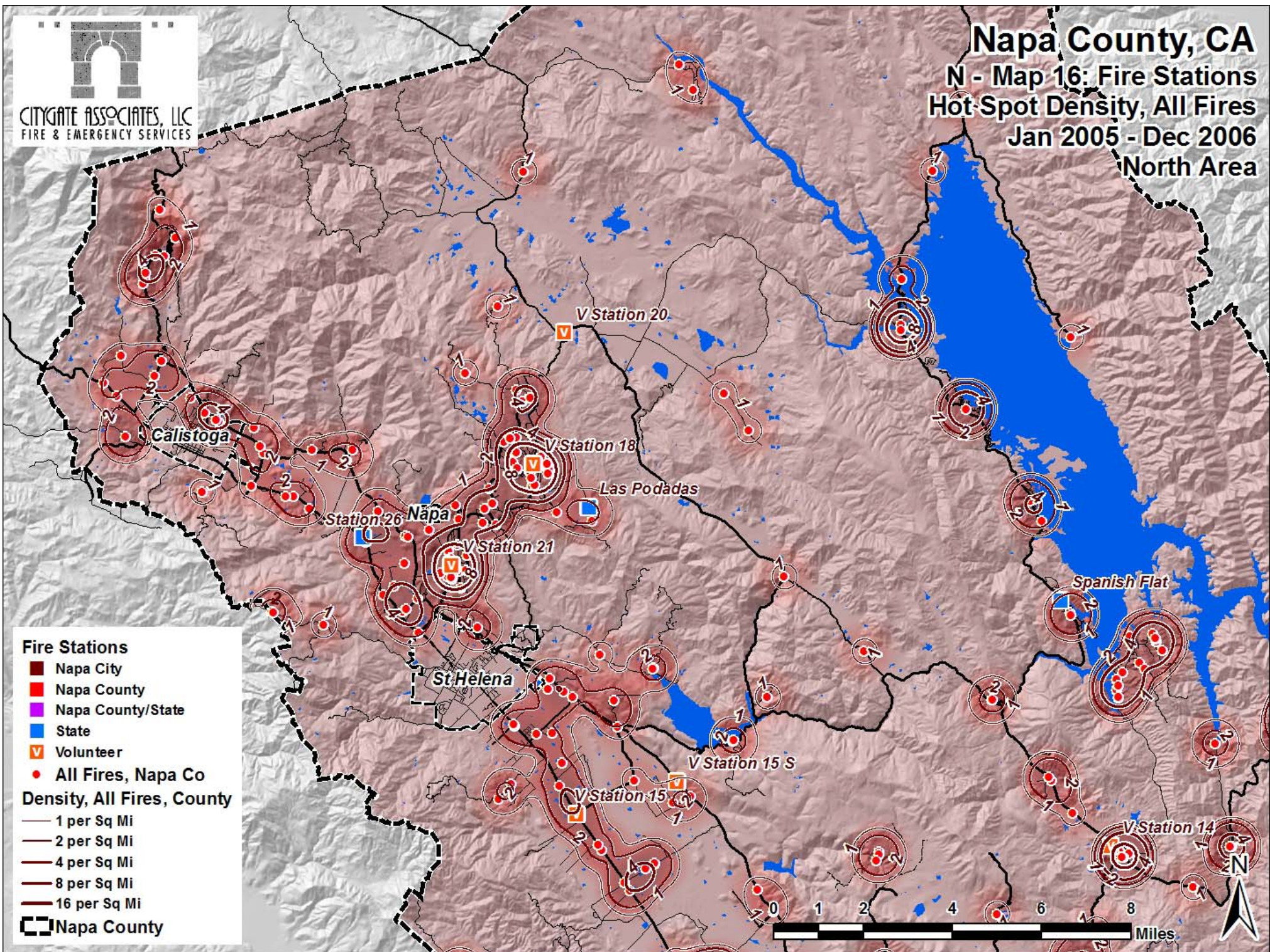
S - Map 15: Fire Stations

Hot Spot Density, Rescue, EMS

Jan 2005 - Dec 2006
South Area

- Fire Stations**
- Napa City
 - Napa County
 - Napa County/State
 - State
 - Volunteer
 - Rescue, EMS, Napa Co
- Density, Rescue, EMS, County**
- 10 per Sq Mi
 - 20 per Sq Mi
 - 40 per Sq Mi
 - 80 per Sq Mi
 - 160 per Sq Mi
 - 320 per Sq Mi
- Napa County

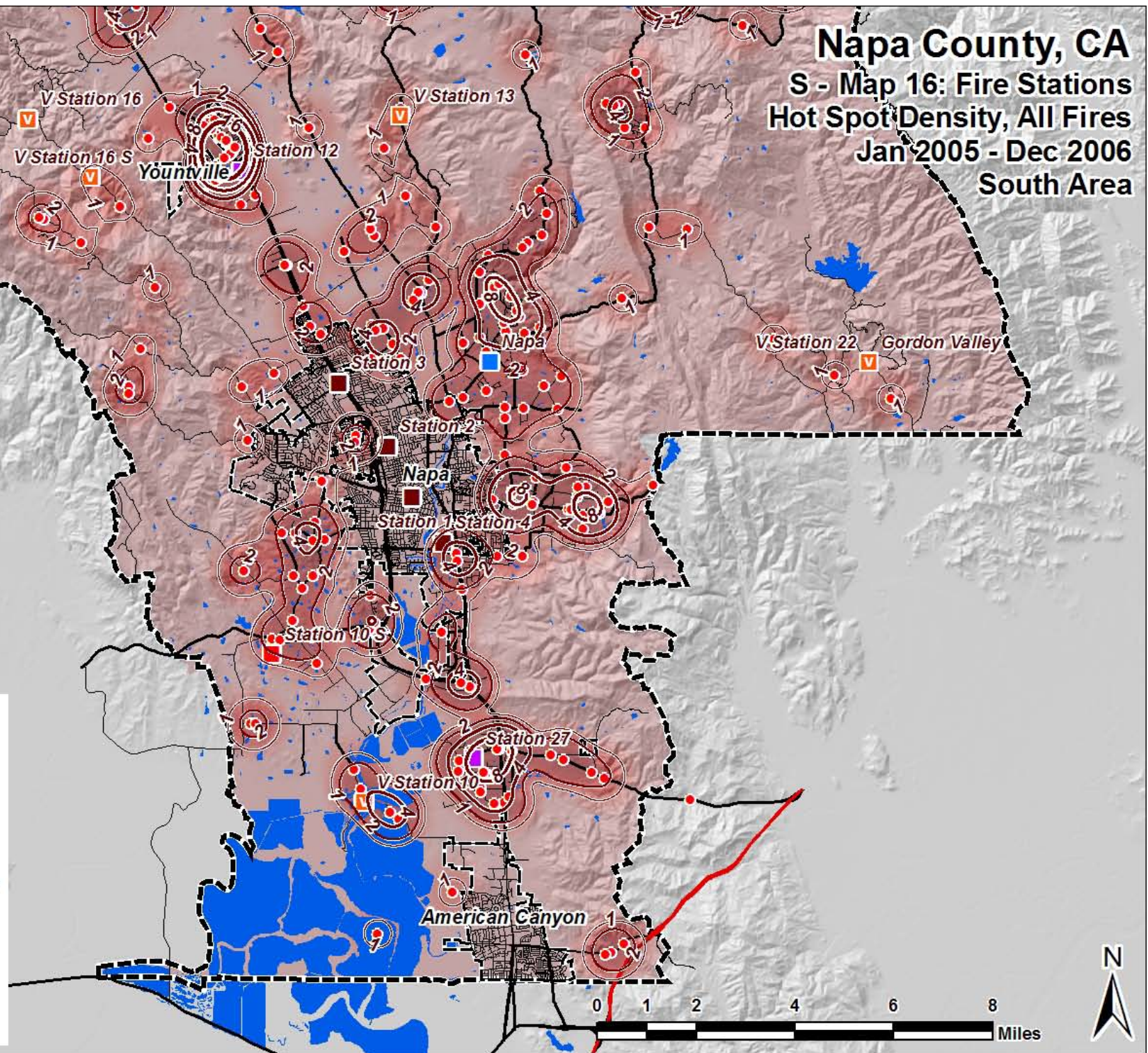


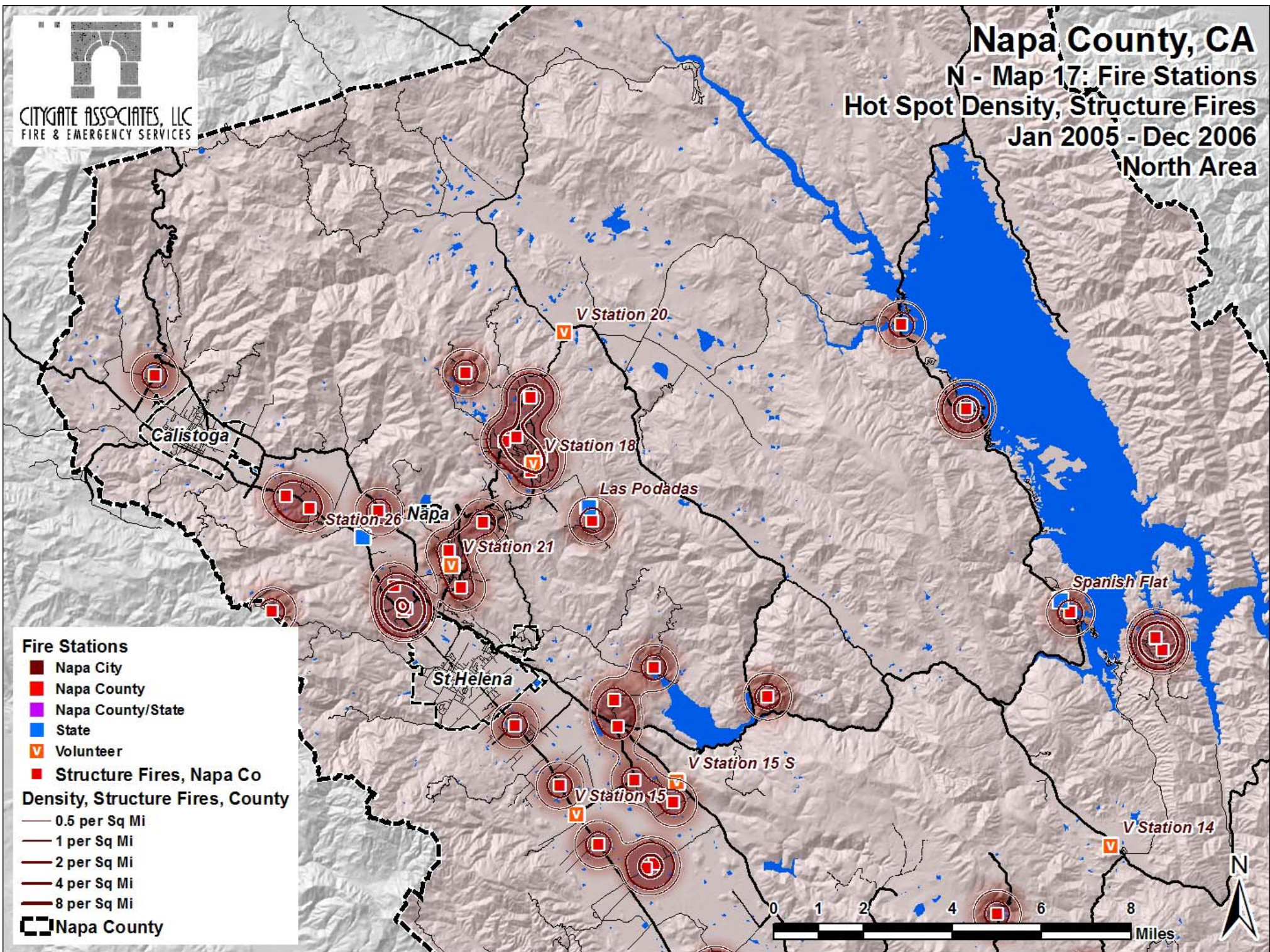


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S - Map 16: Fire Stations Hot Spot Density, All Fires Jan 2005 - Dec 2006 South Area

- Fire Stations**
- Napa City
 - Napa County
 - Napa County/State
 - State
 - Volunteer
 - All Fires, Napa Co
- Density, All Fires, County**
- 1 per Sq Mi
 - 2 per Sq Mi
 - 4 per Sq Mi
 - 8 per Sq Mi
 - 16 per Sq Mi
- Napa County





Fire Stations

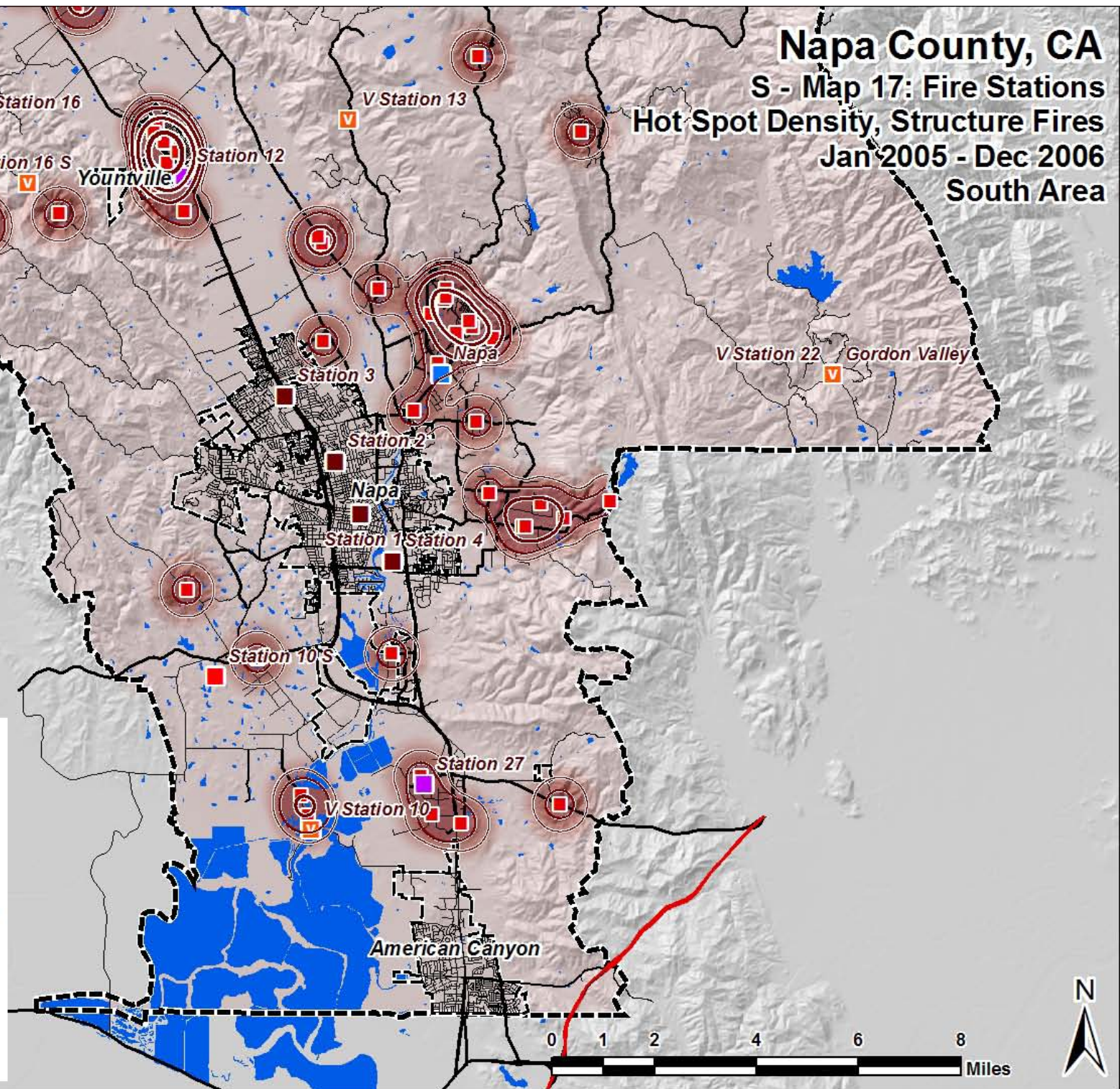
- Napa City
- Napa County
- Napa County/State
- State
- Volunteer

Structure Fires, Napa Co

Density, Structure Fires, County

- 0.5 per Sq Mi
- 1 per Sq Mi
- 2 per Sq Mi
- 4 per Sq Mi
- 8 per Sq Mi

■ Napa County



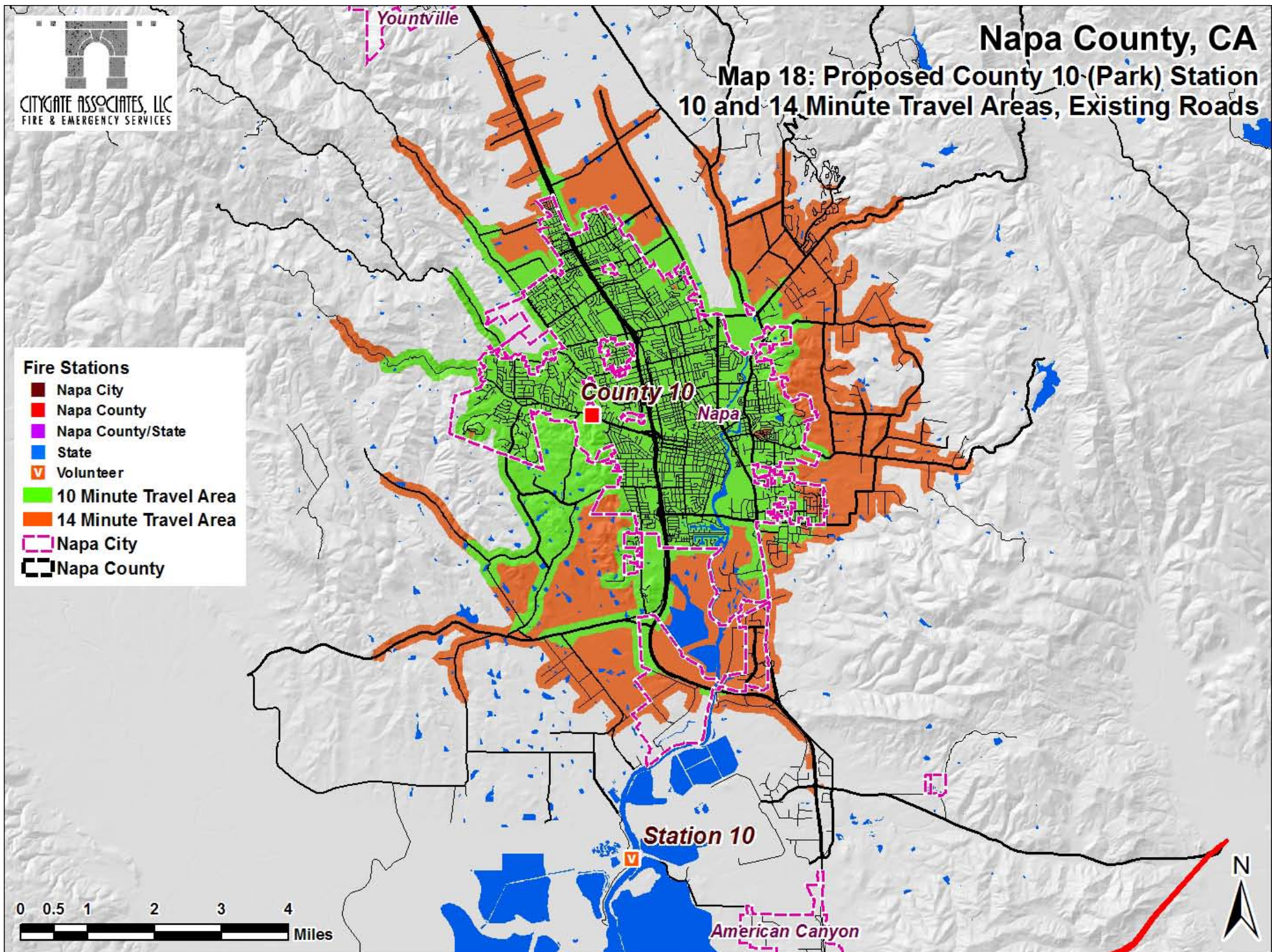


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Map 18: Proposed County 10-(Park) Station 10 and 14 Minute Travel Areas, Existing Roads

Fire Stations

- Napa City
- Napa County
- Napa County/State
- State
- Volunteer
- 10 Minute Travel Area
- 14 Minute Travel Area
- Napa City
- Napa County



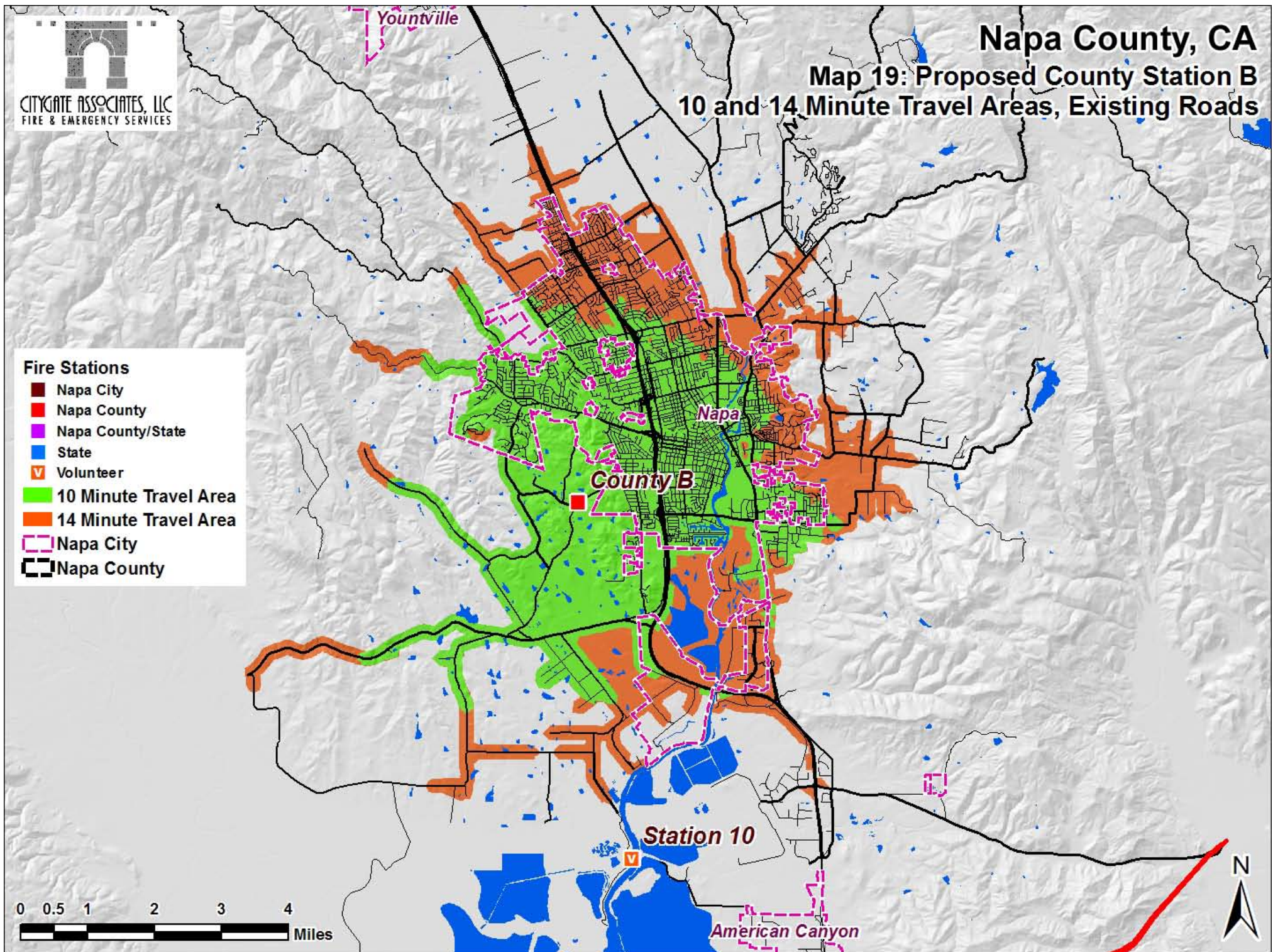


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Map 19: Proposed County Station B 10 and 14 Minute Travel Areas, Existing Roads

Fire Stations

- Napa City
- Napa County
- Napa County/State
- State
- Volunteer
- 10 Minute Travel Area
- 14 Minute Travel Area
- Napa City
- Napa County





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Map 20: Proposed County Station C 10 and 14 Minute Travel Areas, Existing Roads

- Fire Stations**
- Napa City
 - Napa County
 - Napa County/State
 - State
 - Volunteer
- Travel Areas**
- 10 Minute Travel Area
 - 14 Minute Travel Area
- Boundaries**
- Napa City
 - Napa County

