

A.2.17 Action 3.5.1

Mitigation Action	
Action 3.5.1: Focus on human causes of ignition and address the problem through education and enforcement actions, to include vigorous investigation and prosecution of arson.	
Implementing Agencies	
Lead Agency (ies):	Napa County Fire, City of Calistoga
Roles and Responsibilities of Lead Agency (ies):	Project Work
Support Agency (ies):	Local Fire Departments
Roles and Responsibilities of Support Agency (ies):	Education and Enforcement
Preliminary Identified Tasks: Napa County Fire	
1- Curreant Contract with all fire and county fire	
2- County local fire marshalls	
3- Coordinate with local jurisdictions and fire marshall offices	
Preliminary Identified Tasks: City of Calistoga	
1- Address students at schools	
2- Enforce Muni Code for property maintenance	
3- Require burn permits	
4- Investigate sources of fires	
Implementation Costs	
Estimated Capital Costs:	\$25,000 Annually
Estimated Maintenance Costs:	
Implementation Resources	
Financial Resources (Funding):	General Fund
Technical Assistance Resources:	
Materials Needed	
(Equipment, Vehicles, and Supplies):	Readily Available (RA)/Need to Purchase (NTP)

Implementation Timeframe	
Estimated Mitigation Action Start Date:	Bi-Annually, On-going
Estimated Mitigation Action Completion Date:	

Action 3.5.1 Progress Report

New or Refined Mitigation Action, Progress report will be issued for next update cycle.

Progress Report Period: _____ to _____
(date) (date)

Project Title: _____ Project ID# _____

Responsible Agency: _____

Address: _____

City: _____

Contact Person: _____

Phone#: _____ email address: _____

List Supporting Agencies and Contacts: _____

Total Project Cost: _____

Funding Source: _____

Anticipated Cost Overrun/Underrun: _____

Date of Project Approval: _____ Start date of the project: _____

Anticipated completion date: _____

Description of the Project (include a description of each phase, if applicable, and the time frame for completing each phase): _____

Milestones	Completed (✓)	Projected Date of Completion

MHMP Goal Addressed: _____

Indicator of Success: _____

Project Status

Project on schedule

Project completed

Project delayed*

*explain _____

Project cancelled*

*explain _____

Project Cost Status

Cost unchanged

Cost overrun*

*explain _____

Summary of progress on project for this report:

A. What was accomplished during this reporting period?

B. What successes have you encountered, if any?

C. What obstacles, problems, or delays have you encountered, if any?

D. How was each problem resolved?

E. Based on the past experiences (successes and obstacles), what changes, if any, need to be made to ensure completion?

Next Steps: What are the next step(s) to be accomplished over the next reporting period?

Other Comments:

A.3 Napa County Hazard Maps

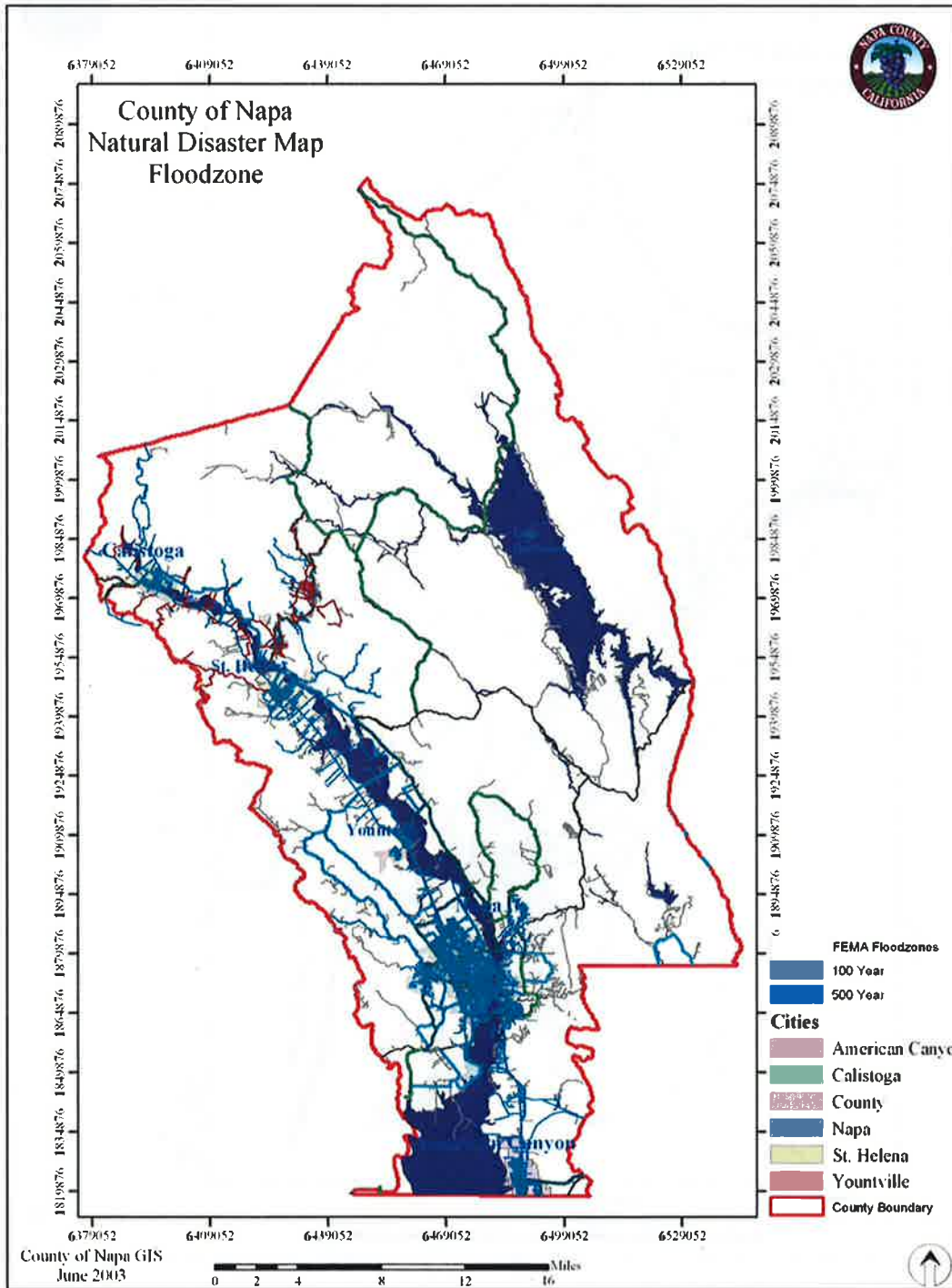


Figure 5-1: Napa County Floodzones

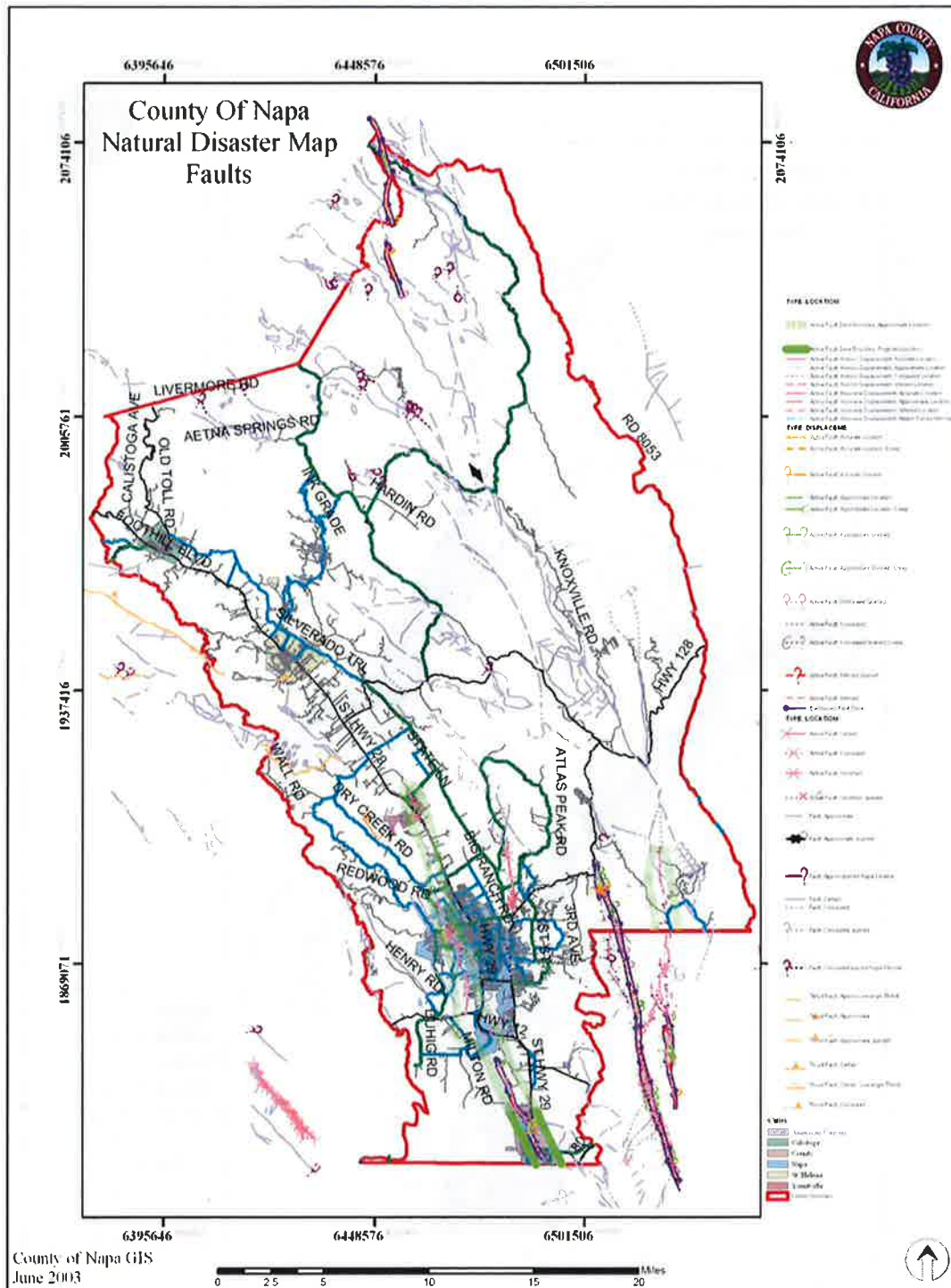


Figure 5-2: Napa County Fault Lines

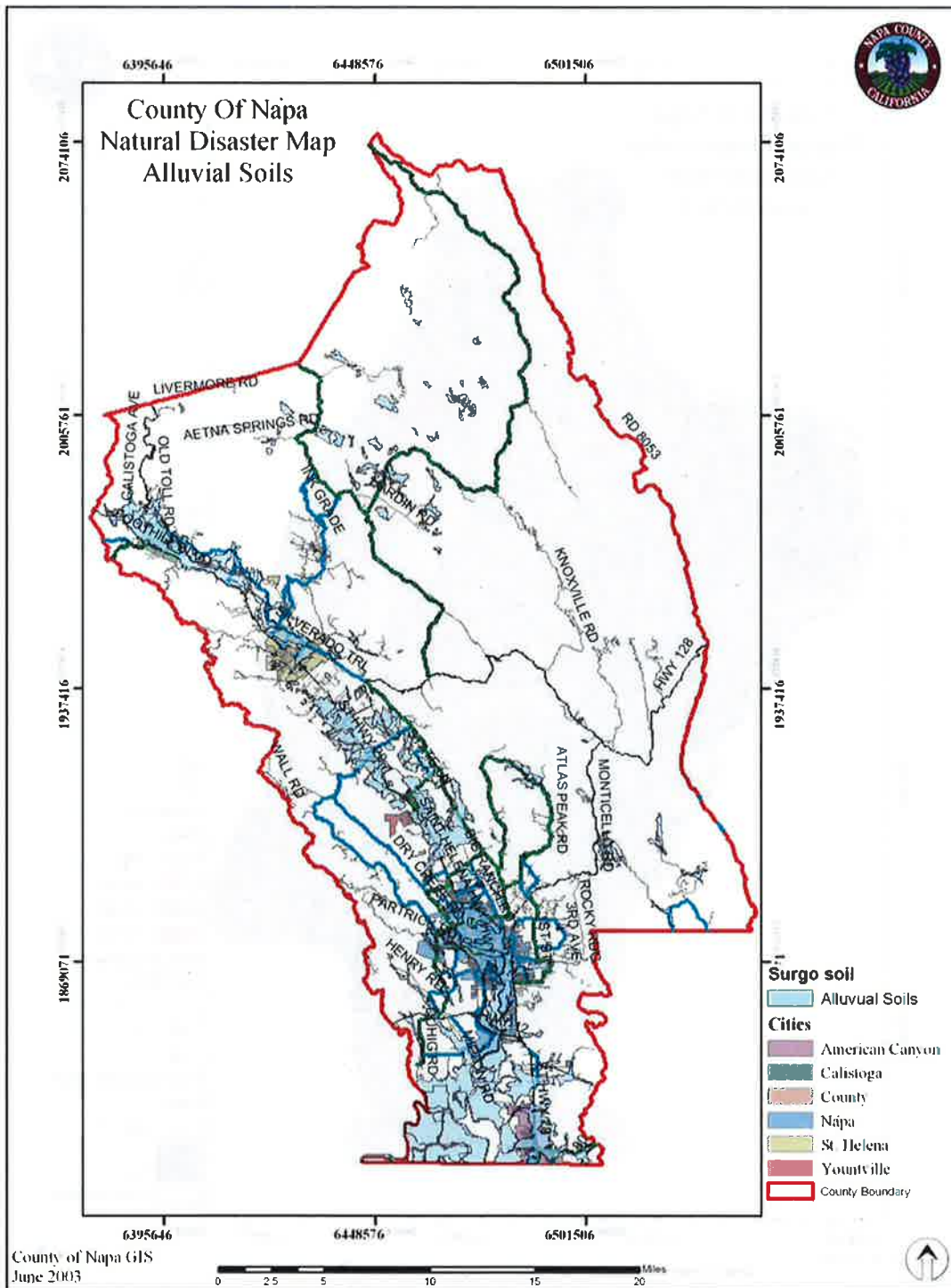


Figure 5-3: Napa County Alluvial Soils

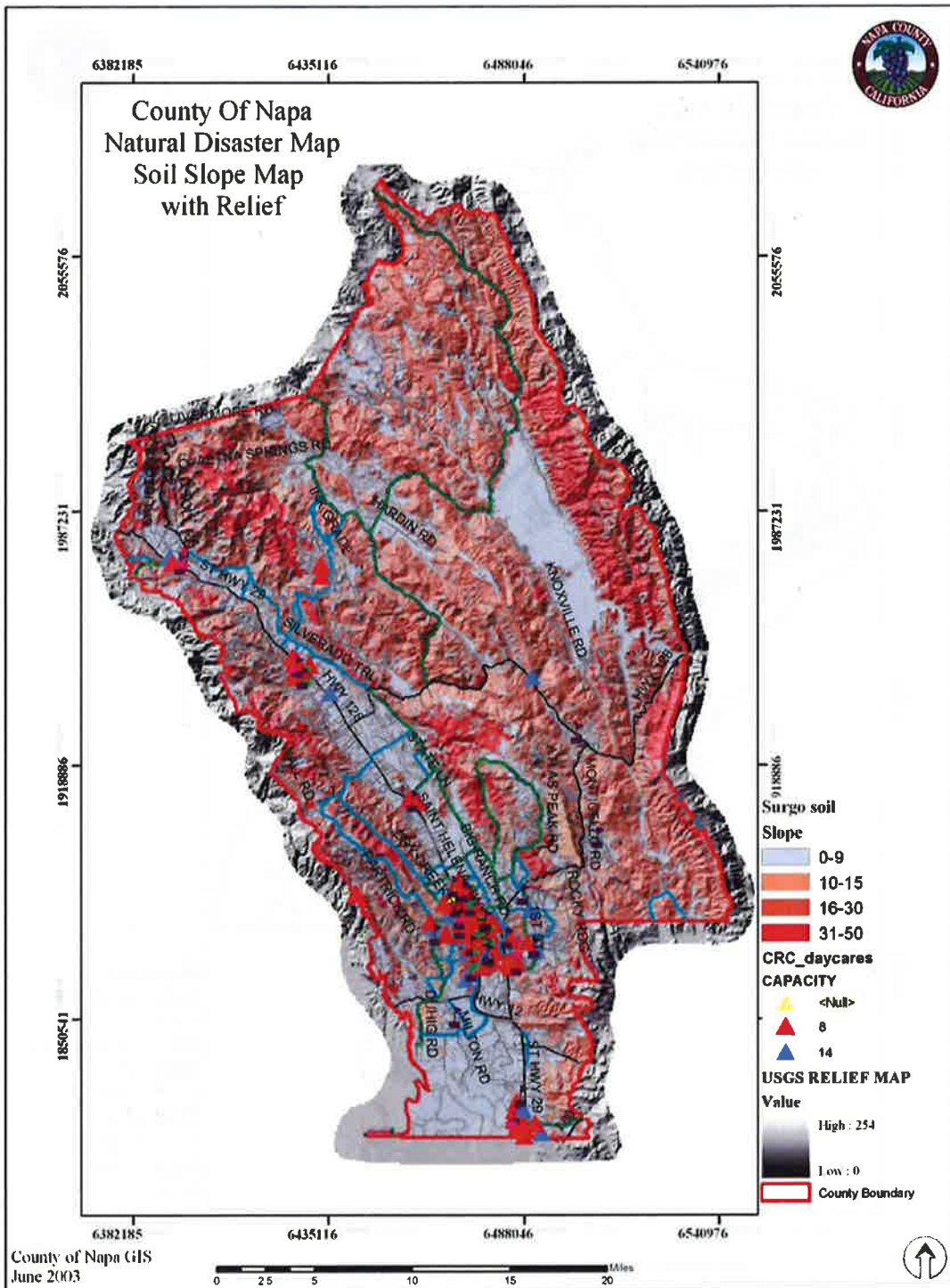


Figure 5-4: Napa County Soil Slope Relief

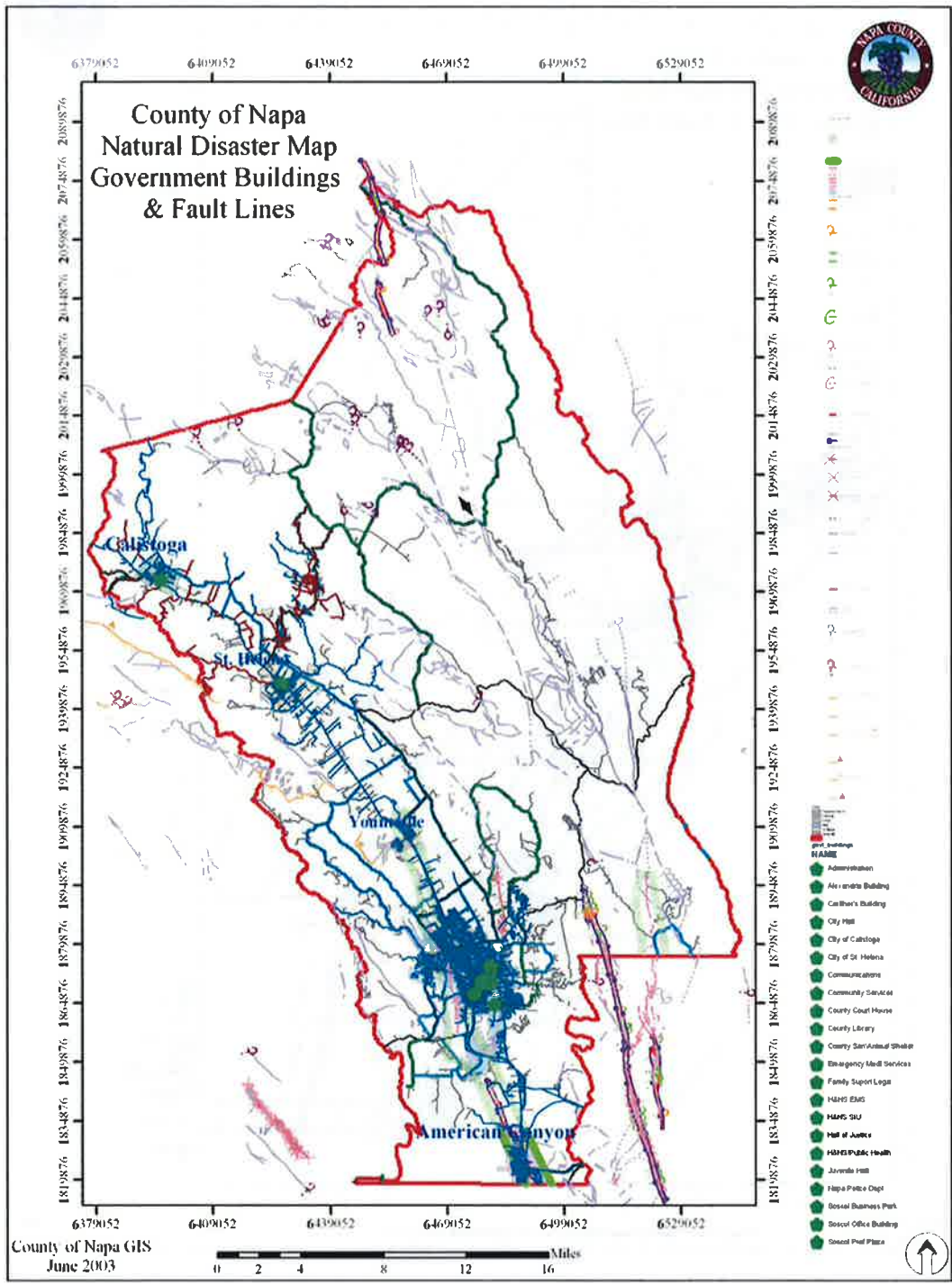


Figure 5-5: Napa County Fault Lines and Government Buildings

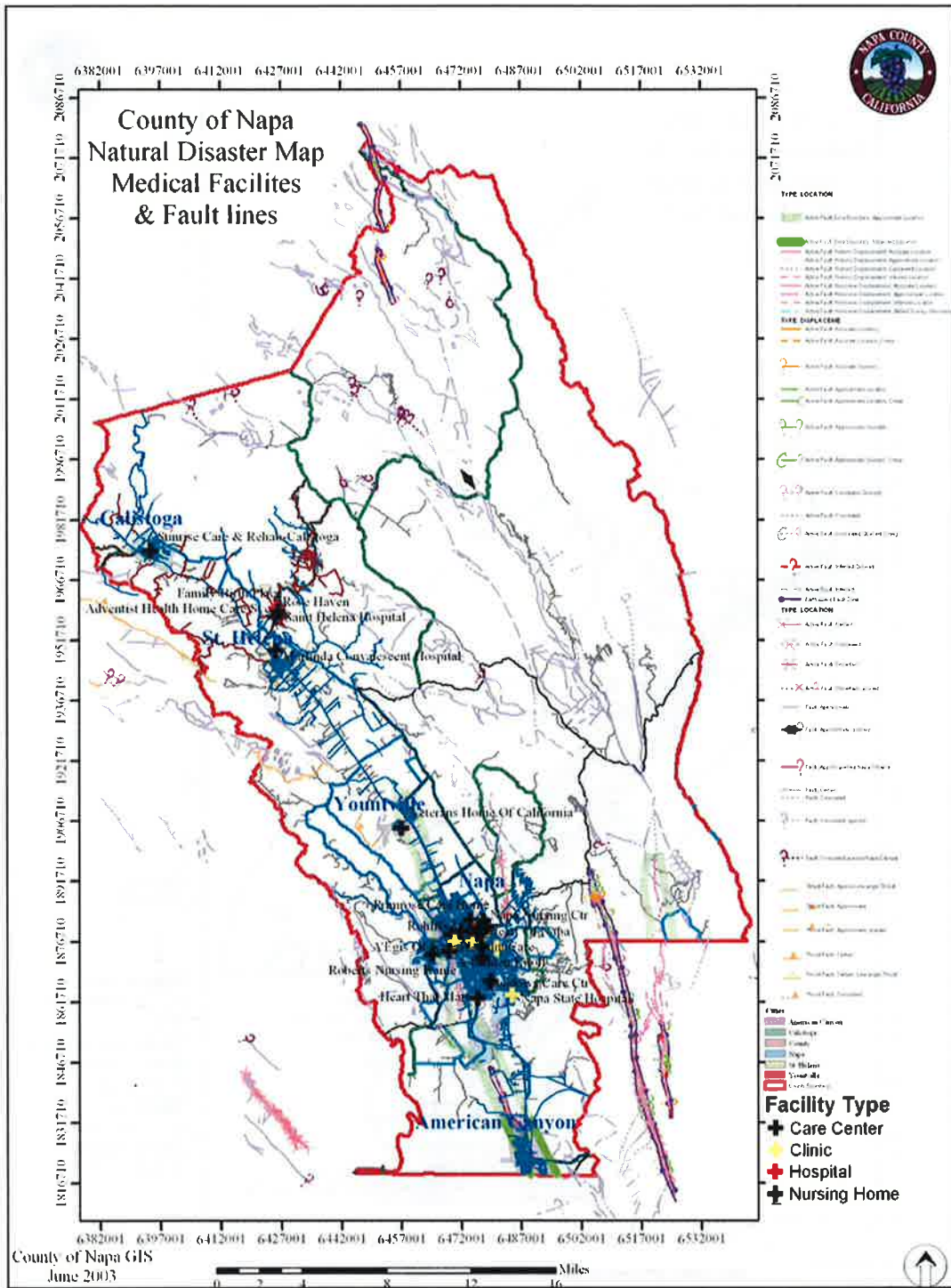


Figure 5-7: Napa County Fault Lines and Medical Facilities

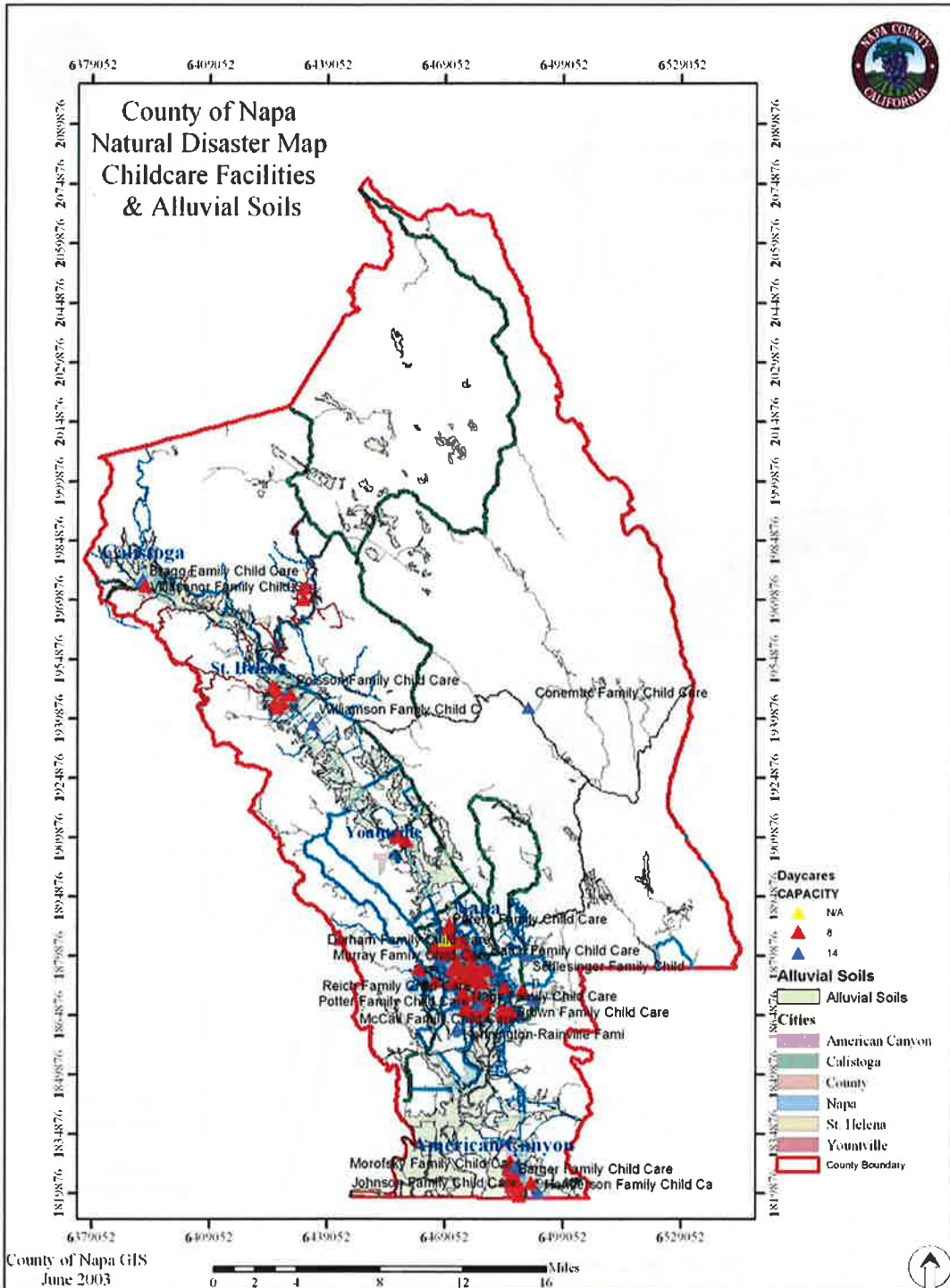


Figure 5-8: Napa Alluvial Soils and Childcare Facilities

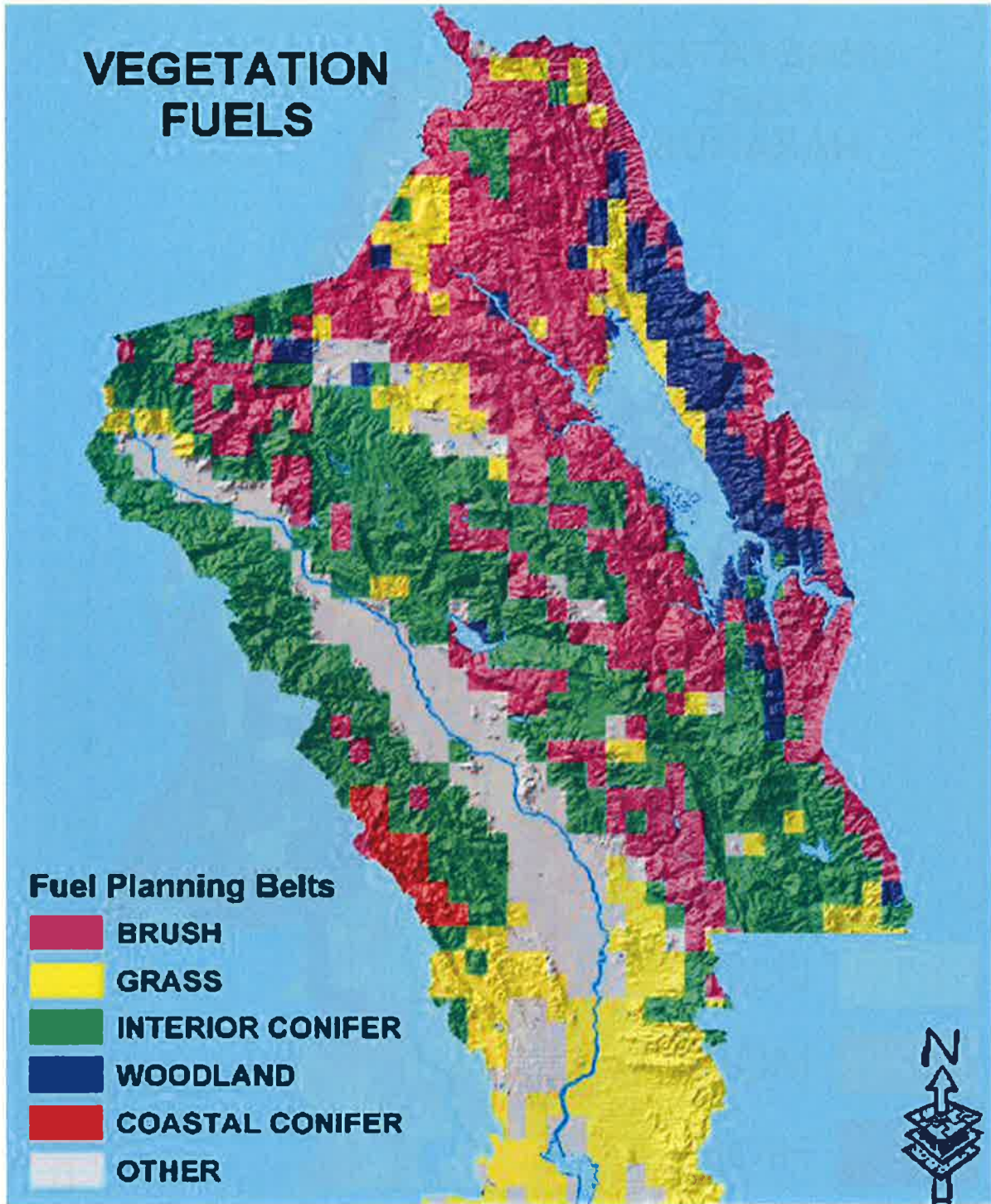


Figure 5-9: Napa County Vegetation Fuels

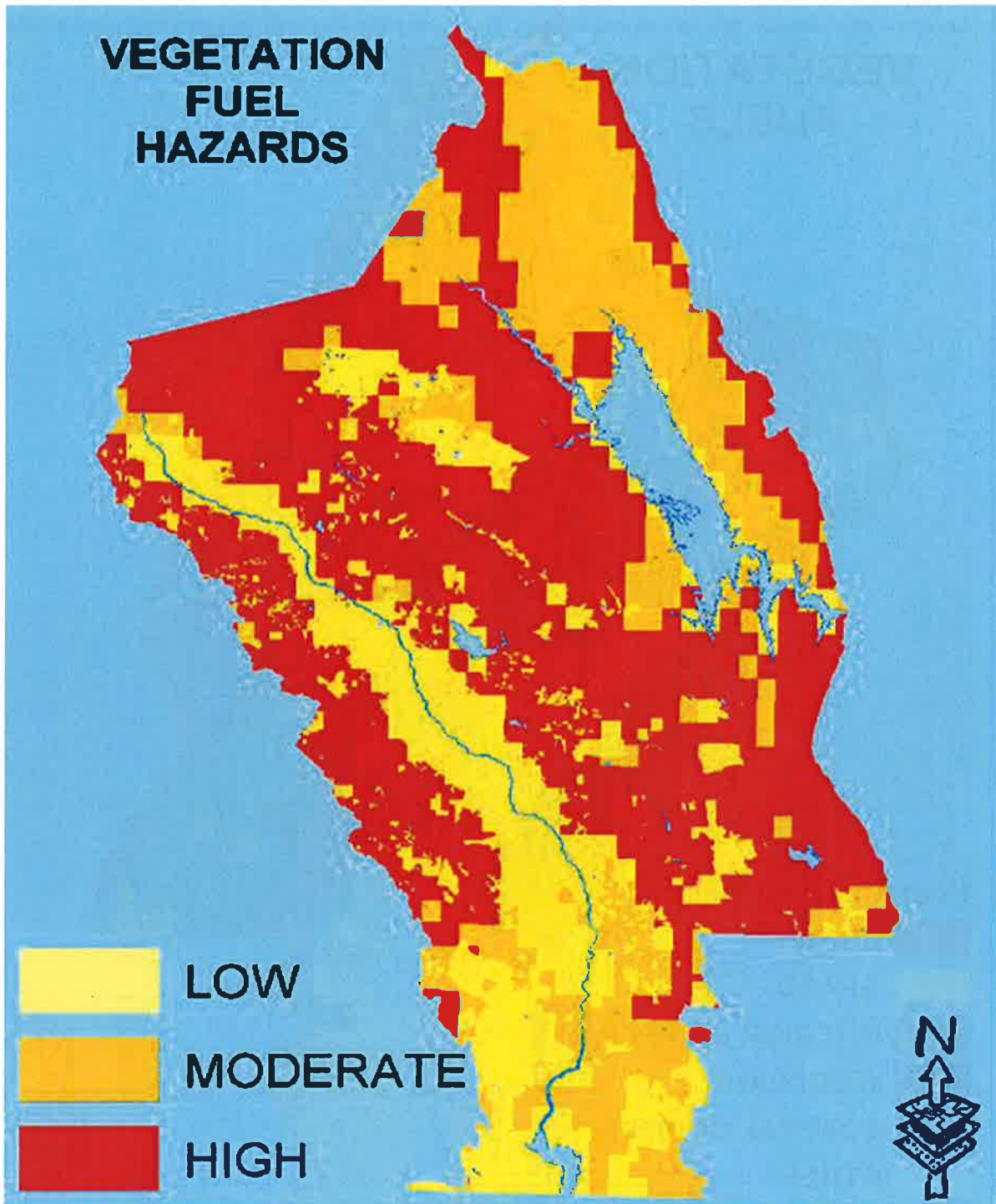


Figure 5-10: Napa County Wildfire Severity Zones

**NAPA COUNTY LANDS
GREATER THAN
500 FEET FROM A ROAD**

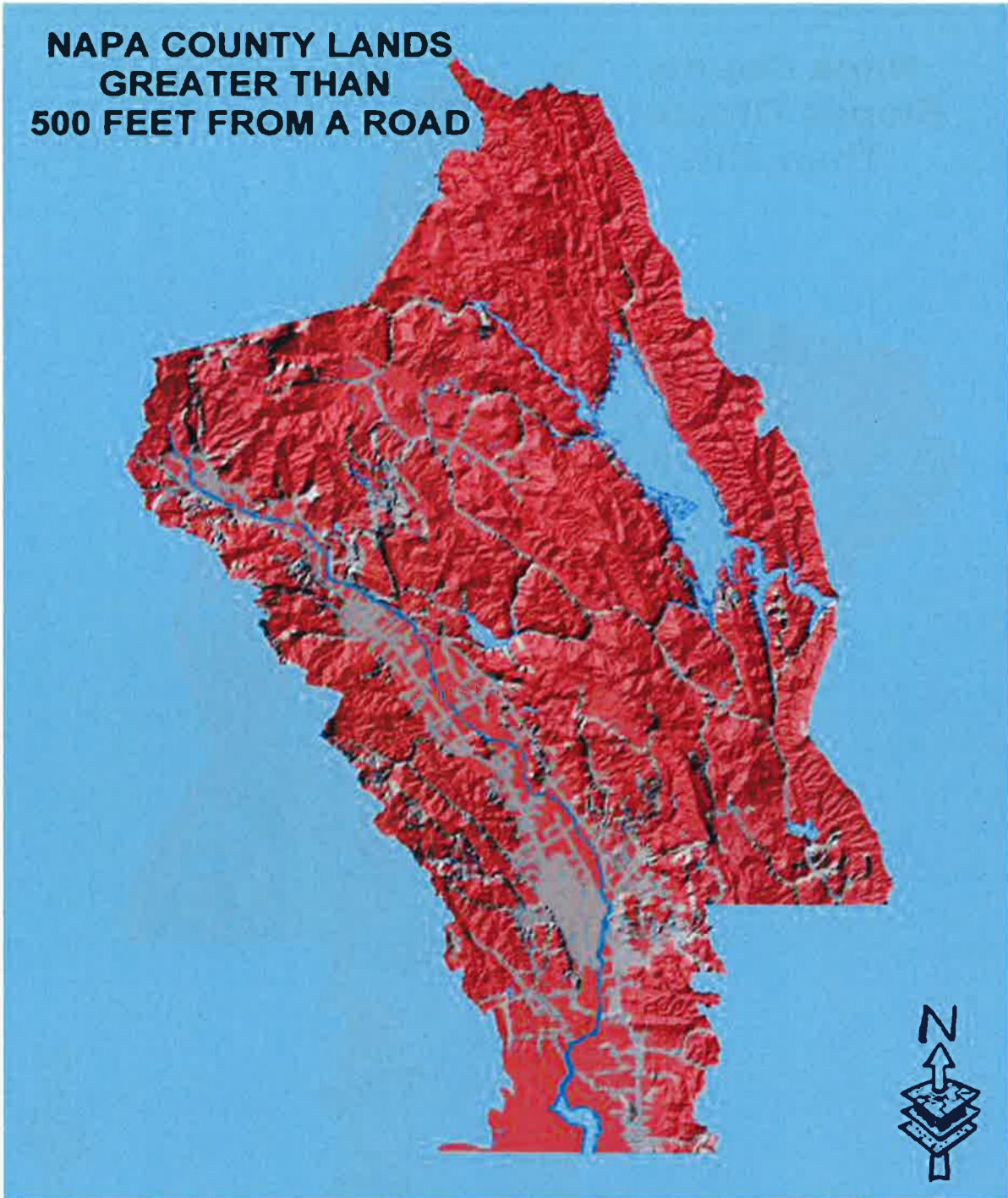


Figure 5-11: Napa County Lands in 500 ft Proximity to Roads

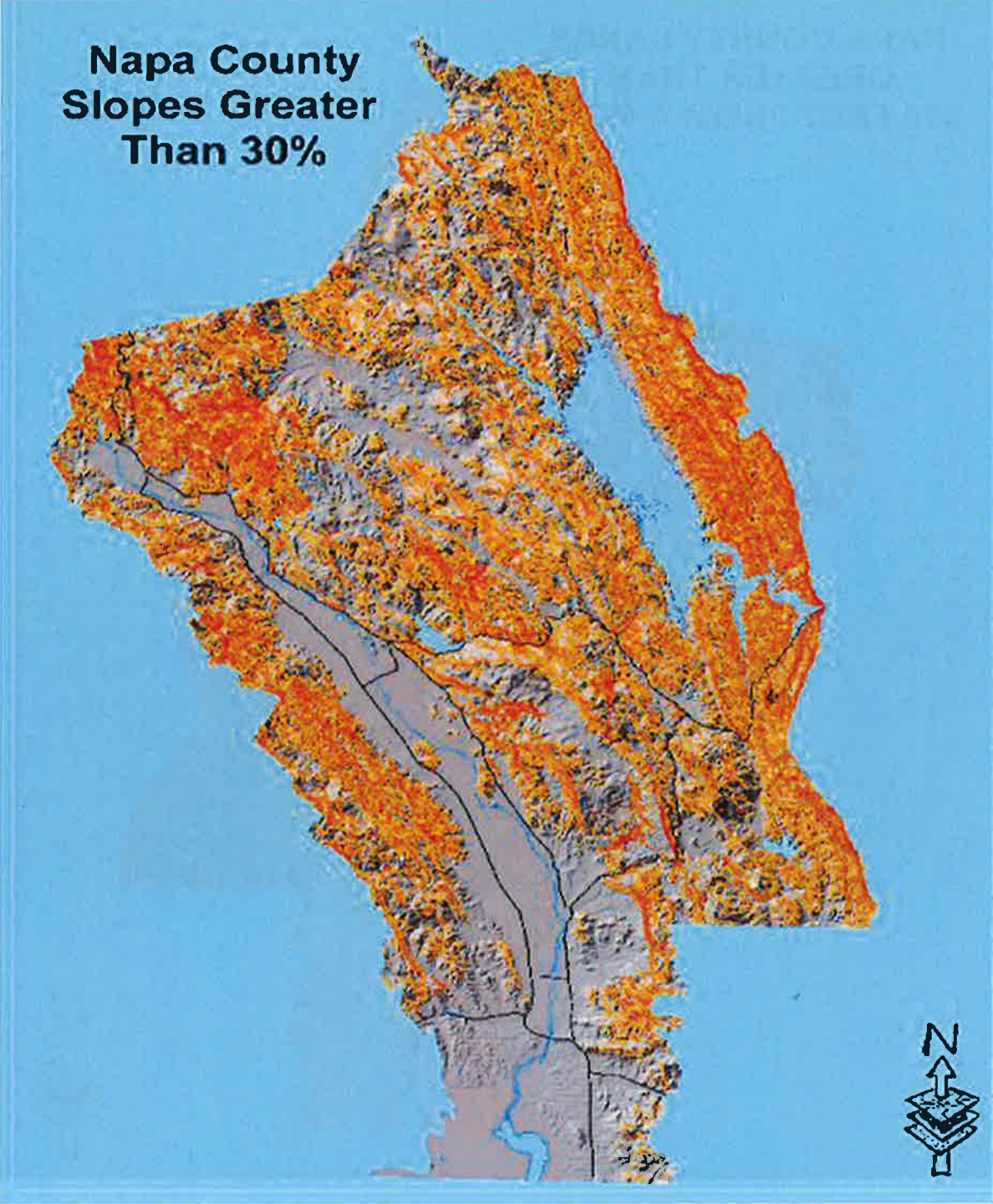


Figure 5-12: Napa County Slopes Greater Than 30%

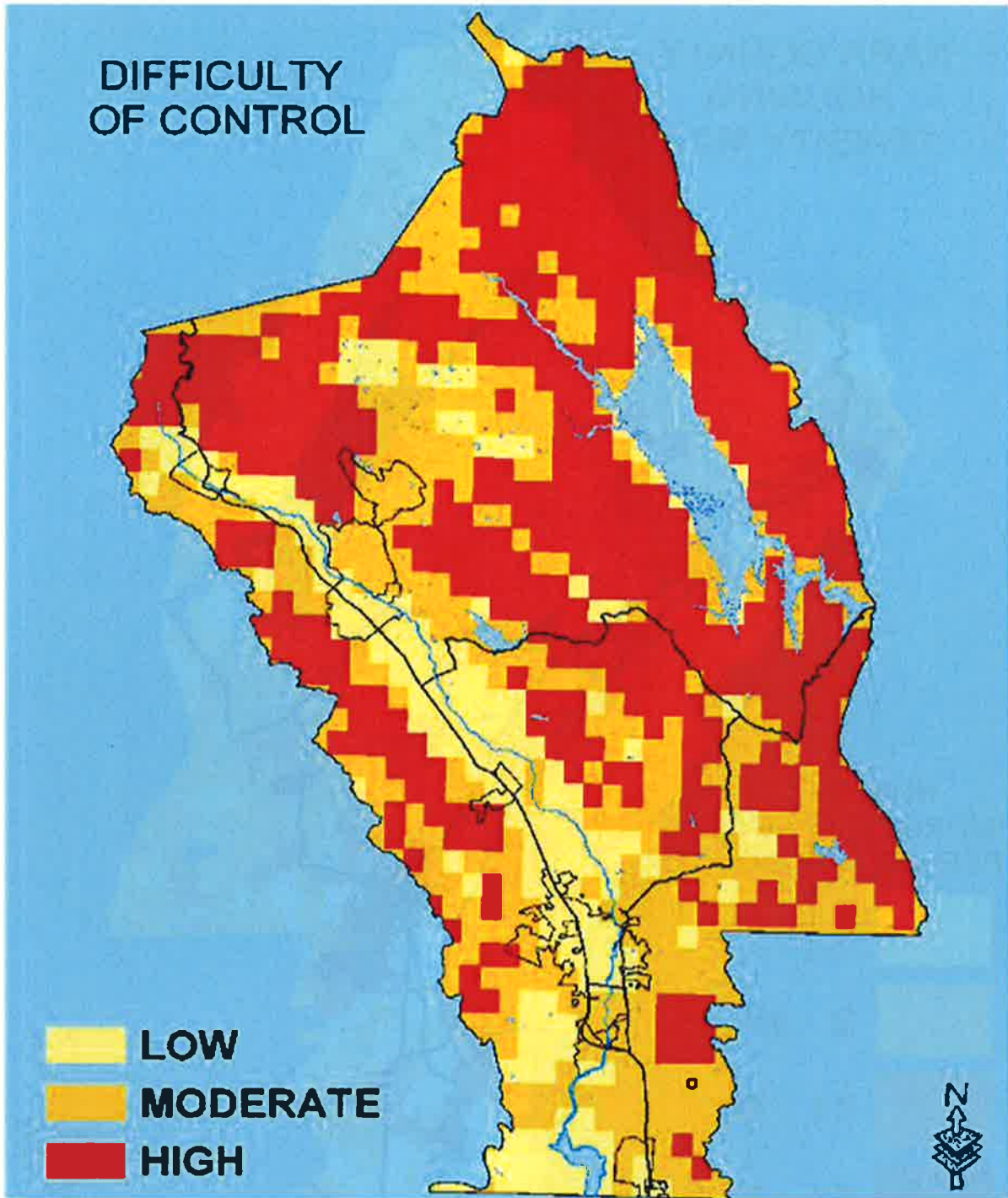


Figure 5-13: Napa County Difficulty of Control

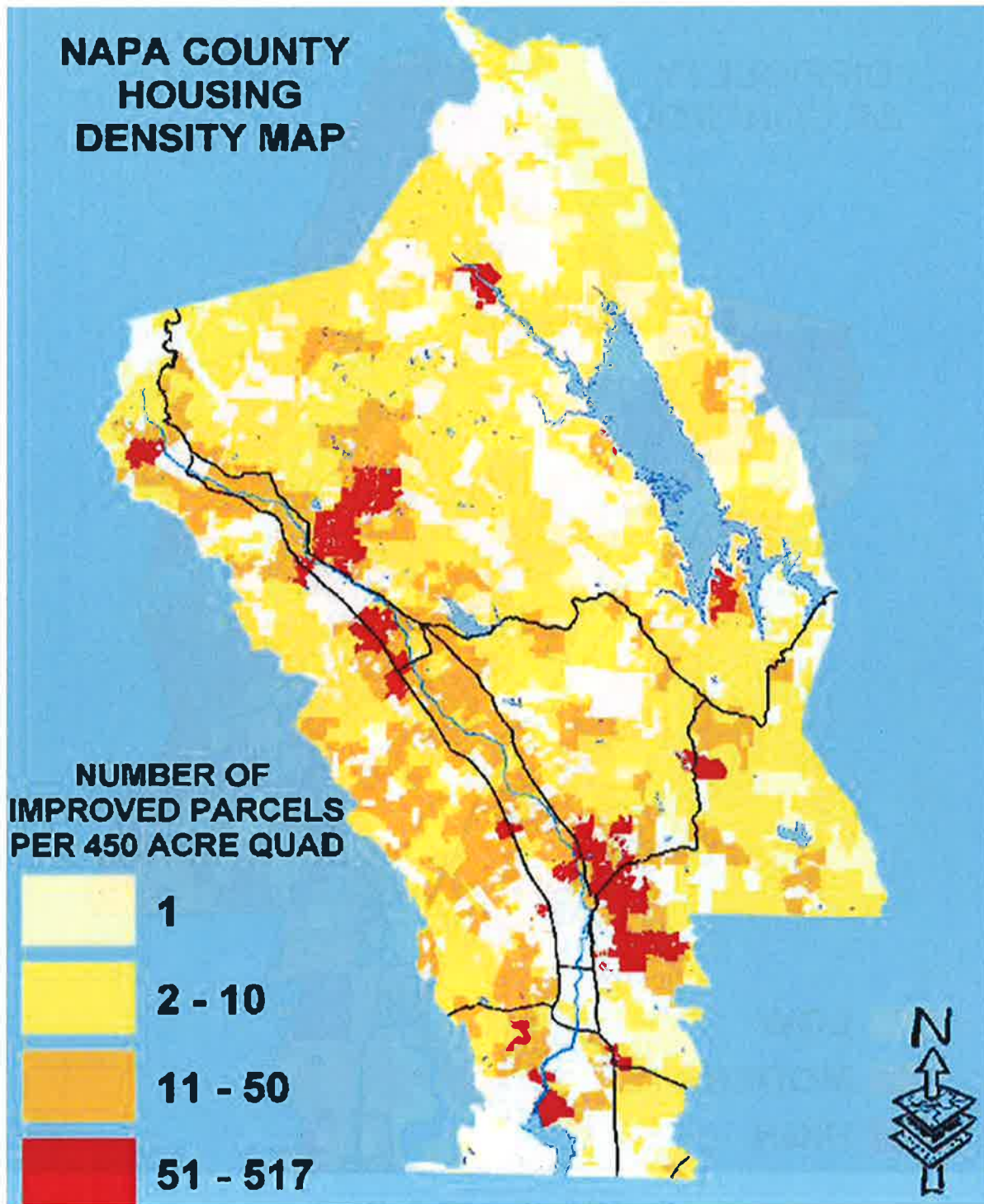


Figure 5-14: Napa County Housing Density

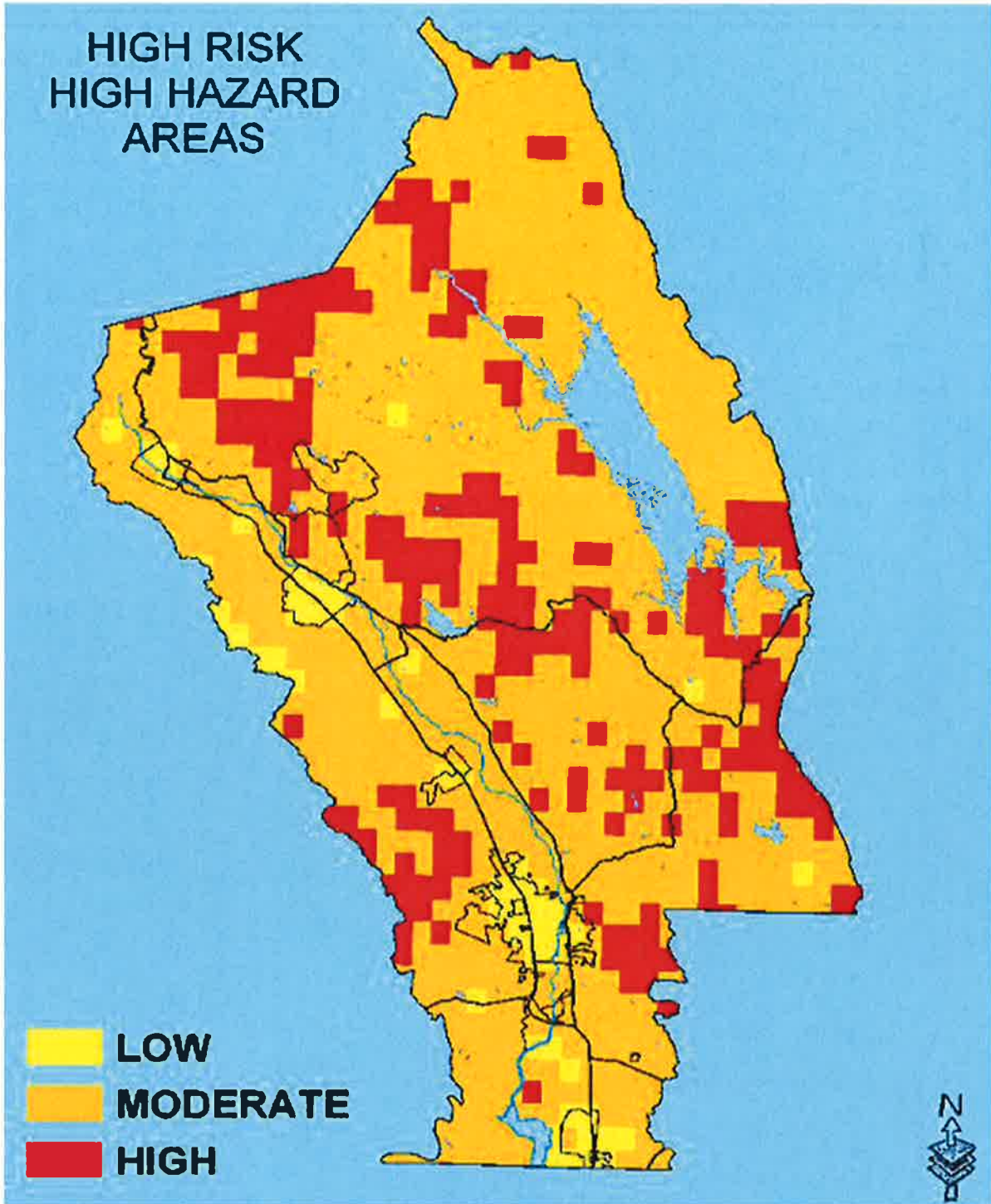


Figure 5-15: Napa County High Risk Wildfire Areas

A.4 Napa County Disaster History and Assets at Risk

Flood Background
Data

	Total Parcels	in thousands \$	in millions \$
Single Family	1977	\$525.00	\$1,037.93
Multiple Family	361	\$1,900.00	\$685.90
Industrial	1029	\$2,500.00	\$2,572.50
Agricultural	1733	\$680.00	\$1,178.44
Assets at risk	5100	\$1,401.25	\$5,474.77

Approximately \$5.5 Billion in assets at risk

Historical Floods Since 1960

Month Year Peak Flow CFS Year Flood Est Damage in Millions \$ Adj for Inflation

Month	Year	Peak Flow CFS	Year Flood	Est Damage in Millions \$ Adj for Inflation
Jan	1963	25000	10	5.5
Jan	1967	22000	10	5.2
Jan	1977	5000	2	1
Mar	1983	17100	2	3.5
Feb	1986	37100	50	320
Jan	1993	19300	5	4.2
Jan	1995	22000	10	80
Mar	1995	32600	20	170
Jan	1997	26700	10	120
Dec	2002	18000	2	2.5
Dec	2005	33000	25	95

Estimated Total 806.9

Earthquake

Background

Data

Napa County Earthquake Threat

Type of Parcel	Number parcels on Soft Soils	Average Value in thousands \$	Value at risk in millions \$
Single Family	2598	\$525.00	\$1,363.95
Multiple Family	452	\$1,900.00	\$858.80
Industrial	1425	\$2,500.00	\$3,562.50
Agricultural	2022	\$680.00	\$1,374.96
Assets at risk	6497	\$1,401.25	\$7,160.21

Approximately \$7.2 Billion in private assets at risk

Napa County Earthquake Experience

Name/Year	Magnitude	Max Shaking Intensity in County	Est Damage
Santa Rosa 1968	5.6	V-VI	< \$2 million
Loma Prieta 1989	6.9	V-VI	< \$5 Million
Yountville 2000	5.3	VI-VII+	\$ 64 Million

Future Earthquake Probability

Fault	Magnitude	% Probability of Quake Greater than 6.6 in 30 Years
Rodgers Creek	7.1	16.3
Northern Green Valley	6.1	0
Concord/Green Valley	6	2.7
West Napa	n/a	n/a

Fire Background Data

Assets at risks in the Wild land Urban Interface

- Estimated 5264 residential units with a median value of \$850,000 each for a potential loss of approximately \$4.5 Billion at risk
- Estimated 10,500 outbuildings with a median value of \$25,000 each for a potential loss of approximately \$26.5 Million
- Estimated \$1.5 Billion in public infrastructure, roads, utilities, facilities and open space
- Estimated 25,000 full and part time residents living in the environment

Fire History 1960-2002

Name	Acres	Year	Month	Day
C. FOSBERG #2	3796	1960	10	15
MORRISON	537	1960	10	15
NAPA SODA SPRINGS	2244	1960	6	20
ROADSIDE #20	576	1960	8	21
DE LA BRIANDAIS	387	1961	11	16
E. PROCTOR	876	1961	7	8
LEOMA LAKES	245	1961	9	3
M. WATSON	1831	1961	9	2
POPE VALLEY SERIES	1702	1961	9	2
R. COOMBA	194	1961	9	3
ROADSIDE #32	568	1961	9	4
ROADSIDE #19	490	1962	8	14
FOLEY FARM RI ESCAPE	382	1963	9	27
C. HANLY	55960	1964	9	19
NUNS CANYON	9807	1964	9	19
P.G.&E. #6	452	1964	9	21
ROADSIDE #14	230	1964	6	25
ROADSIDE #22	538	1964	7	11
ROADSIDE #42	8956	1964	9	21
JERICHO	2677	1966	8	6
PORTUGUESE CANYON	1321	1968	8	29
STAGS LAKE	562	1968	6	27
CEDAR RIDGE	255	1969	8	9

Fire History Continued:

Name	Acres		Year	Month	Day

ARROWHEAD	484			1972	7	14
POCKET GULCH	10431			1972	7	14
AZEVEDO #2	615			1973	9	8
SIGNAL HILL	4393			1973	9	8
HARRINGTON	81			1978	7	9
PLUNKETT	391			1979	7	16
ROCKWELL GAP	2012			1979	9	11
TURKEY	817			1980	9	13
ATLAS PEAK	33606			1981	6	22
SILVERADO	6218			1982	9	11
STEELE CANYON	523			1982	9	11
MARCH #2	712			1983	9	11
POPE	226			1983	8	28
POPE CANYON	1682			1983	7	10
HOWELL MTN. FIRE	2353			1983	0	0
MILLER	3622			1985	8	31
MILLER	34564			1988	9	17
RESORT	483			1988	9	18
BLUE FIRE	5964			1988	9	21
WOODEN FIRE	836			1992	0	0
PRIEST FIRE	5112			1995	0	0
GUENOC	649			1996	0	0
PG&E #8	2106			1996	8	2
MARKLEY	333			1997	8	3
SIXTEEN	37893			1999	10	16
BERRYESSA	4859			2000	6	13
POPE	753			2002	8	9
SILVERADO	69			2003	10	29
RUMSEY	38,763			2004	10	10
PLEASURE	261			2005	9	16
ATLAS	71			2006	10	25
WAKEFIELD	66			2006	6	28
128	57			2006	7	7
NAPA NOOK	400			2006	9	22
SODA CANYON (Pet	60			2007	7	11
KELLEY	32			2008	6	19
AETNA	76			2008	8	14
CAPELL	110			2008	8	15
DEER	150			2008	10	10
BERRYESSA - STEEL	70			2009	7	19
SODA CANYON	60			2011	11	

Building Inventory:

Preliminary Building Inventory Representative Types

Building Type	Count	City	of	Am.	Calistog	St	Yountvill	Total
Pre 1945 Wood Single Family Home	3000	5000		N/A	800	800	200	9800
Post 1945 Wood Single Family Home	7000	12500		2400	1000	1000	600	2450
Wood Frame Multi-Under 3 stories	50	200		10	10	10	5	285
Pre 1945 Wood Commercial	25	150		N/A	5	5	5	190
URM non retrofitted	42	25		5	5	5		82
URM Retrofitted	5	150		5	15	25		200
Pre 1973 Tilt Up	5	10		0	2	5		22
Post 1973 Tilt Up	35	15		5	3	10		68
Non Ductile concrete commercial	5	25		10	5	5		50
Multi Unit	5	30		5	5	5		50
Light Commercial	120	650		55	25	25	10	885

This data is preliminary and is being vetted by the Napa County Planning Department. It is sufficiently accurate to define the scope of the potential impact on the Operational Area.

A.5 Napa County Critical Facilities

NAPA COUNTY GOVERNMENT BUILDINGS				
ID	Name	Address	City	Zip
1	Administration	1195 Third Street	Napa	94559
2	Hall of Justice	1125 Third Street	Napa	94559
3	Communications	933 Water Street	Napa	94559
4	County Library	580 Coombs Street	Napa	94559
5	Juvenile Hall	2350 Old Sonoma Road	Napa	94558
6	Emergency Medical Services	1721 First Street	Napa	94559
7	Soscol Professional Plaza	1710 Soscol Avenue	Napa	94558
8	Soscol Business Park	650 Imperial Way	Napa	94559
9	Soscol Office Building	1804 Soscol Avenue	Napa	94559
10	Carither's Building	1127 First Street	Napa	94559
11	Alexandria Building	1001 Second Street	Napa	94559
12	County Court House	825 Brown Street	Napa	94559
13	Family Support Legal	1546 First Street	Napa	94559
14	H&HS EMS	1721 First Street	Napa	94559
15	County Sanitation/Animal Shelter	942 Hartle Avenue	Napa	94559
16	Health & Human Service/Public Health	2344 Old Sonoma Road	Napa	94559

17	H&HS SIU	1500 Third Street	Napa	94559
18	Napa Police Department	1539 First Street	Napa	94559
19	City Hall	955 School Street	Napa	94559
20	Community Services	1600 First Street	Napa	94559
21	City of St. Helena	1480 Main Street	St Helena	94574
22	City of Calistoga	1232 Washington Street	Calistoga	94515

A.6 Napa County Medical Facilities

ID	Facility	Address	City	Zip Code	Phone Number	Type
1	Napa Davita Dialysis	3900Bel Aire Plaza #C	Napa	94558	224-6533	Care Center
2	Piner's Care Center	1800 Pueblo Avenue	Napa	94558	224-7925	Care Center
3	Pleasant Care	2465 Redwood Road	Napa	94558	255-3012	Care Center
4	Roberts Nursing Home	3415 Browns Valley Road	Napa	94558	257-3515	Care Center
5	Urgent Care Ctr Of Napa	3230 Beard Road	Napa	94558	254-7778	Care Center
6	Napa Valley Dialysis	1100 Trancas Street #267	Napa	94558	224-6533	Care Center
7	Veterans Home Of California	100 California Drive	Yountville	94599	944-4600	Care Center
8	Family Birth Place	650 Sanitarium Road	Deer Park	94576	963-6505	Care Center
9	Primrose Care Home	3698 Jefferson Street	Napa	94558	255-8594	Care Center
10	Adapt Day Treatment Program	1600 Myrtle Avenue	Napa	94558	253-9136	Clinic
11	Community Health Clinic Ole	935 Trancas Street # 4c	Napa	94558	254-1770	Clinic
12	Excel Quality Care	575 Lincoln Avenue #240	Napa	94558	426-6522	Clinic

13	Napa State Hospital	2100 Napa Vallejo Highway	Napa	94558	253-5260	Clinic
14	Rohlffs Manor	2400 Fair Drive	Napa	94558	255-9555	Clinic
15	Senior Life Care Inc	3460 Villa Lane	Napa	94558	224-2285	Clinic
16	Transitions-St Helena Hospital	1000 Professional Drive	Napa	94558	259-2840	Clinic
17	Queen Of The Valley Hospital	1000 Trancas Street	Napa	94558	252-4411	Hospital
18	Saint Helena Hospital	650 Sanitarium Road	Deer Park	94576	963-3611	Hospital
19	Sunrise Care & Rehab-Calistoga	1715 Washington Street	Calistoga	94515	942-6253	Nursing Home
20	Adventist Health Home Care Svc	3 Woodland Lane	Deer Park	94576	963-3691	Nursing Home
21	A Hidden Knoll	3158 Browns Valley Road	Napa	94558	258-1873	Nursing Home
22	A'Egis Of Napa	2100 Redwood Road	Napa	94558	251-1409	Nursing Home

A.7 Napa County Public Safety Facilities

ID	Facility	Address	City	Zip	Phone	Type
1	Napa County Fire Department	1555 Airport Blvd	Napa	94589	253-6196	Fire
2	Napa County Fire Department	1820 Monticello Road	Napa	94559	253-4940	Fire
3	Napa Fire Prevention	1600 First Street	Napa	94559	257-9590	Fire
4	Napa Fire Department	1539 First Street	Napa	94559	257-9593	Fire
5	Napa County Fire Department	7401 Solano Avenue	Yountville	94599	944-8887	Fire
6	Yountville Fire Department	6587 Jefferson Street	Yountville	94599	963-3601	Fire
7	American Canyon Fire Department	911 Donaldson Way	American Canyon	94589	642-2747	Fire
8	St Helena Fire Department	1500 Main Street	St Helena	94574	967-2880	Fire
9	Napa County Fire Department	1199 Big Tree Road	St Helena	94574	963-3601	Fire
10	Calistoga City Fire Department	1113 Washington Street	Calistoga	94515	942-2821	Fire
11	Mountain Volunteer Fire Department	5198 Sharp Road	Calistoga	94515	942-2222	Fire
12	American Canyon Sheriffs Regional Station	300 Crawford Way	American Canyon	94589	648-0171	Police

13	Napa County Sheriff Department	1535 Airport Rd	Napa	94559	965-1158	Police
14	Upper Valley Sheriffs Regional Station	3111 St Helena Hwy North	St. Helena	94574	965-1158	Police
15	Calistoga Police Department	1234 Washington Street	Calistoga	94515	942-2810	Police
16	Upper Valley Sheriffs Regional Station	650 Sanitarium Road	Deer Park	94576	963-5944	Police
17	Napa City Police Department	1539 First Street	Napa	94559	257-9223	Police
18	Napa County Sheriffs Department	1195 Third Street	Napa	94559	253-4415	Police
19	St. Helena Police Department	1480 Main Street	St Helena	94574	963-3636	Police
20	Yountville Sheriffs Regional Station	6516 Washington Street	Yountville	94599	944-9228	Police
23	Heart of Napa	2300 Brown Street	Napa	94558	226-1821	Nursing Home
24	Heart That Matters	68 Coombs Street #9	Napa	94559	252-7569	Nursing Home
25	Home Care Nurses Registry	1712 Jefferson Street	Napa	94558	255-8719	Nursing Home
26	Home Care Svc-Queen-Valley	1100 Trancas Street # 300	Napa	94558	257-4124	Nursing Home
27	Meadows Care Center	1900 Atrium Parkway	Napa	94558	257-4990	Nursing Home

28	Napa Nursing Center	3275 Villa Lane	Napa	94558	257-0931	Nursing Home
29	Sierra Vista Nursing & Rehab	705 Trancas Street	Napa	94558	255-6060	Nursing Home
30	Sunrise Assisted Living-Napa	3700 Valle Verde Drive	Napa	94558	255-1100	Nursing Home
31	Your Home Nursing Svc	3188 Jefferson Street	Napa	94558	224-7780	Nursing Home
32	Rose Haven	520 Sanitarium Road	St Helena	94574	963-3748	Nursing Home
33						

A.8 Napa County Schools

ID	Name	Address	City	Zip	Phone
1	Alta Heights Elementary School	15 Montecito Boulevard	Napa	94558	253-3671
2	Bel Aire Park Elementary School	3580 Beckworth Drive	Napa	94558	253-3775
3	Browns Valley Elementary School	1001 Buhman Avenue	Napa	94558	253-3761
4	Calistoga Junior-Senior High School	1608 Lake Street	Calistoga	94515	942-6278
5	Capell Valley Elementary School	1192 Capell Valley Road	Napa	94558	259-8434
6	Carneros Elementary School	1680 Los Carneros Avenue	Napa	94559	253-3466
7	Casa Montessori School	780 Lincoln Avenue	Napa	94558	224-1944
8	Culinary Institute of America	2555 Main Street	St Helena	94574	967-0600
9	El Centro Elementary School	1480 El Centro Avenue	Napa	94558	253-3771
10	Foothills Elementary School	711 Sunnyside Road	St Helena	94574	963-3546
11	Howell Mountain Elementary	525 White Cottage Road	Angwin	94508	965-2423
12	Justin-Siena High School	4026 Maher Street	Napa	94558	255-3615
13	Madrone Continuation School	465 Main Street	St Helena	94574	963-2739
14	McPherson Elementary School	2670 Yajome Street	Napa	94558	253-3488

15	Mount George Elementary School	1019 2nd Avenue	Napa	94559	253-3766
16	Napa Adventist Junior Academy	2201 Pine Street	Napa	94559	255-5233
19	Napa High School	2475 Jefferson Street	Napa	94558	253-3711
22	Napa Valley Christian Academy	2645 Laurel Street	Napa	94558	252-2191
23	Napa Valley College Upper Valley Campus	1088 College Avenue	St Helena	94574	967-2930
28	New Technology High School	920 Yount Street	Napa	94558	259-8557
29	Northwood Elementary School	2214 Berks Street	Napa	94558	253-3471
30	Pacific Union College	100 Howell Mountain Road	Angwin	94508	965-7272
31	Palisades High School	1507 Grant Street	Calistoga	94515	942-5255

NAPA COUNTY SCHOOLS (continued)					
32	Phillips Elementary School	1210 Shetler Avenue	Napa	94558	253-3481
33	Pope Valley Union School	6200 Pope Valley Road	Pope Valley	94567	965-2402
34	PUC Elementary School	135 Neilson Court	Angwin	94508	965-2459
35	Pueblo Vista Elementary School	1600 Barbara Road	Napa	94558	253-3491
36	Redwood Middle School	3600 Oxford Street	Napa	94558	253-3415

37	River School	2447 Old Sonoma Road	Napa	94558	253-6813
38	Robert Louis Stevenson Middle School	1316 Hillview Place	St Helena	94574	963-2725
39	Salvador Elementary School	1850 Salvador Avenue	Napa	94558	253-3476
40	Shearer Elementary School	1590 Elm Street	Napa	94559	253-3508
41	Silverado Middle School	1133 Coombsville Road	Napa	94559	253-3688
42	Snow Elementary School	1130 Foster Road	Napa	94558	253-3666
44	St Apollinaris Catholic School	3700 Lassen Street	Napa	94558	224-6525
45	St Helena Catholic School	1255 Oak Place	St Helena	94574	963-4677
46	St Helena Elementary School	1325 Adams Street	St Helena	94574	963-2712
47	St Helena High School	1401 Grayson Street	St Helena	94574	963-2740
48	St Helena Montessorri School	1328 Spring Street/880 College Ave	St Helena	94574	963-1527
49	St Johns Lutheran School	3521 Linda Vista Avenue	Napa	94558	226-7970
50	St Johns the Baptist School	983 Napa Street	Napa	94558	224-8388
51	Sunrise Montessori Elementary School	1226 Salvador Avenue	Napa	94558	257-2392
52	Sunrise Montessori Of Napa	4149 Linda Vista Avenue	Napa	94558	253-1105
53	Temescal High School	2447 Old Sonoma Road	Napa	94558	253-3791
54	Trinity Grammer & Prep	2055 Redwood Road	Napa	94558	258-9030

55	Vichy Elementary School	3261 Vichy Avenue	Napa	94558	253-3544
56	Vintage High School	1375 Trower Avenue	Napa	94558	253-3601

NAPA COUNTY SCHOOLS (continued)					
57	Westwood Elementary School	2700 Kilburn Avenue	Napa	94558	253-3678
58	Yountville Elementary School	6554 Yount Street	Yountville	94599	253-3485
59	Napa Valley Charter School	575 Third Street	Napa	94559	252-5522
60	West Park Elementary	2315 W Park Avenue	Napa	94558	253-3516
61	Kolbe Academy	1600 F Street	Napa	94559	256-4306
62	Calistoga Elementary School	1327 Berry Street	Calistoga	94515	942-4398
63	Wooden Valley Elementary School	1340 Wooden Valley Road	Napa	0	253-3703
64	Donaldson Way Elementary School	430 Donaldson Way	Am Canyon	0	253-3524
65	American Canyon Middle School	300 Benton Way	Am Canyon	0	259-8592
66	Napa Junction Elementary School	300 Napa Junction Road	Am Canyon	0	253-3461
67	St Helena Primary School	1701 Grayson Avenue	St Helena	0	967-2772
68	Napa Valley College	2277 Napa-Vallejo Highway	Napa	0	253-3000

Appendix B. **City of American Canyon**

B.1 Risk Assessment

Table 5-1 displays RF index criteria and weighting determinations from the American Canyon HMP Planning Committee Focus Group. Final RF scores determine High, Moderate, or Low risk designations based upon the conclusion index. It should be noted that although some hazards are classified as posing “Low Risk”, their occurrence of varying or unprecedented magnitudes is still possible and will continue to be re-evaluated during future updates of this plan. Due to the inherent errors possible in any disaster risk assessment, the results of the risk assessment should only be used for planning purposes and in developing projects to mitigate potential losses.

Table 5-1: American Canyon Risk Factor Results Table

Rank	Natural Hazards	Probability	Wt.	Impact	Wt.	Spatial Extent	Wt.	Warning Time	Wt.	Duration	Wt.	RF Factor
1	Wildfire	2	0.6	1	0.3	2	0.4	4	0.4	1	0.1	1.8
2	Flooding	3	0.9	3	0.9	4	0.8	4	0.4	3	0.3	3.3
3	Earth-Quake	2	0.6	1	0.3	2	0.4	4	0.4	2	0.2	1.9
Risk Factor Conclusion												
<i>HIGH RISK (3.0 – 4.0)</i>				Flooding								
<i>MODERATE RISK (2.0 – 2.9)</i>												
<i>LOW RISK (0.1 – 1.9)</i>				Wildfire, and Earthquake								

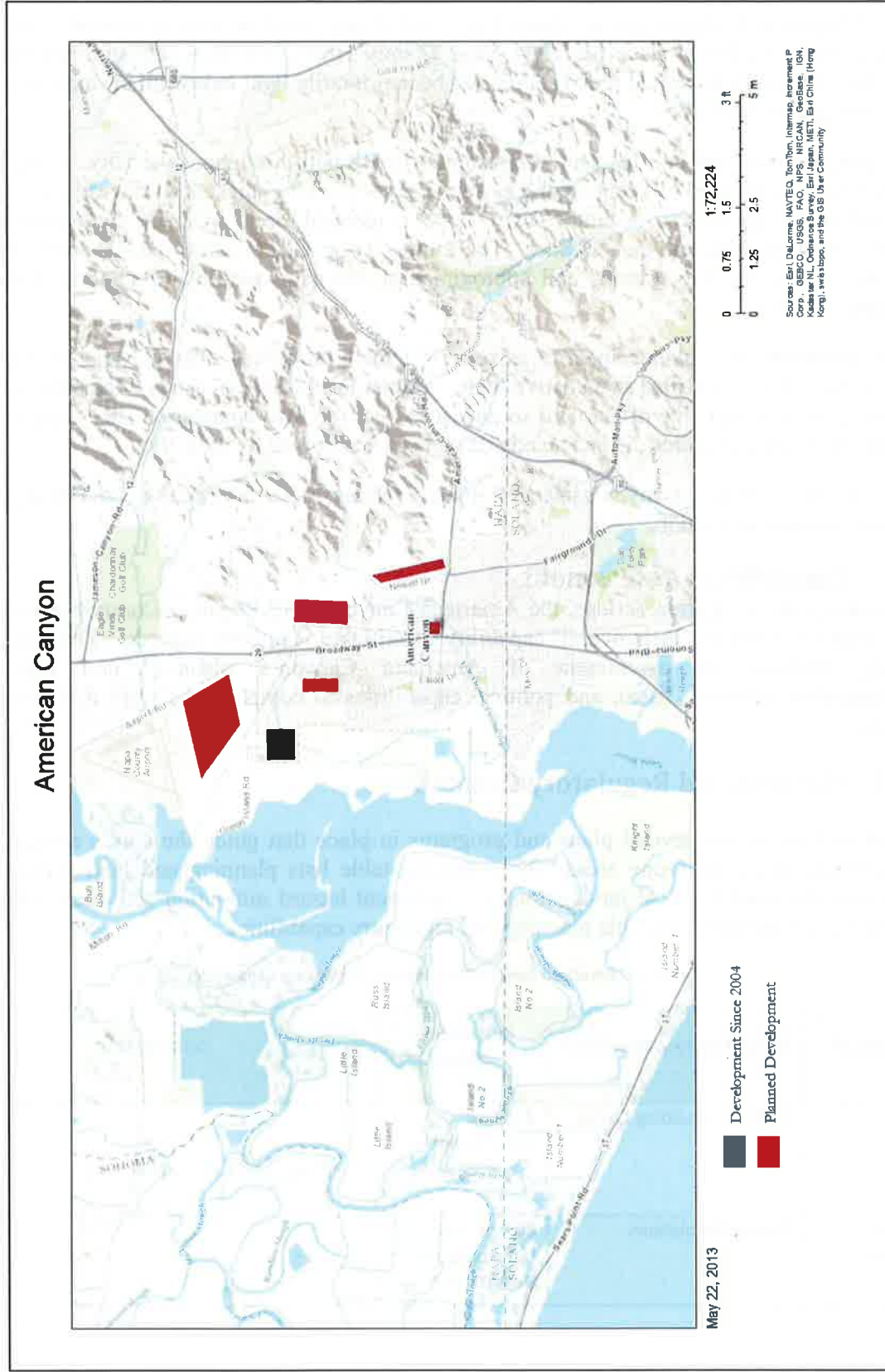
The RF results assist planners to classify risk for each hazard regardless of hazard type. For purposes of this plan the following classifications are used:

Low Risk—Minimal potential impact. The occurrence and potential cost of damage to life and property is minimal.

Moderate Risk—Moderate potential impact. This ranking carries a moderate threat level to the general population and/or built environment. Here the potential damage is more isolated and less costly than a more widespread disaster.

High Risk—Widespread potential impact. This ranking carries a high threat to the general population and/or built environment. The potential for damage is widespread. Hazards in this category may have occurred in the past.

B.2 Future Development



City of American Canyon has experienced the most development activity compared to the other participating jurisdiction since the 2004 Napa County HMP. Development that has occurred since the previously approved (2004) HMP has been primarily light industrial in small areas near the north east of the city.

Commercial, industrial and residential developed is planned throughout the City. Some future development is planned to occur on the eastern side of the city adjacent to the railroad right of way and near Highway 29. A future Town Center is planned for an area near the intersection of S Napa Junction Road and the rail lines. The future “Town Center” site contains approximately 29 acres within the City Limits, and approximately 290 acres within the adjacent Sphere of Influence (S.O.I.).

Future development is planned near or adjacent to known fault lines. The portions of American Canyon have been identified in an active fault. Alquist-Priolo Special Study zone runs from the airport, along the east side of Oat Hill southeast to near the City boundary. The Alquist-Priolo Special Study zone requires distinct standards which are enforced by the City.

The City of American Canyon’s General Plan provides more information on Geologic and Seismic Hazards in relation.

B.3 Capabilities Assessment

In preparing the mitigation actions, the American Canyon HMP Planning Committee members were asked to consider their overall capability to mitigate identified hazards. The mitigation strategy includes an assessment of American Canyon’s planning and regulatory, administrative/technical, fiscal, and political capabilities to complete the identified mitigation actions.

B.3.1 Planning and Regulatory Capabilities

American Canyon has several plans and programs in place that guide the City’s mitigation of development in hazard-prone areas. The following table lists planning and land management tools typically used by local jurisdictions to implement hazard mitigation activities. Table 5-2 provides a sample list of possible planning and regulatory capabilities.

Table 5-2: American Canyon Planning and Regulatory Capabilities

Hazard	Plan/Program/ Regulation	Responsible Agency	Comments
Multi-Hazard	California Building Codes	Building Department	
Multi-Hazard	Zoning Regulations	Community Development Department	

Hazard	Plan/Program/ Regulation	Responsible Agency	Comments
Multi-Hazard	Subdivision Regulations	Community Development Department	
Multi-Hazard	Comprehensive Land Use Plan (or General, Master or Growth Mgmt. Plan)	Community Development Department	
Multi-Hazard	Capital Improvement Plan	Public Works Department	
Wildfire	Local Community Codes	Fire Department	
Wildfire / Flood	USDA	NRCS	Flood and Fire Recovery on Private Lands
Flood	Prop 50/84 Integrated Regional Water Management (IRWM)	DWR	DWR has a number of IRWM grant program funding opportunities. Current IRWM grant programs include: planning, implementation, and stormwater flood management. http://www.water.ca.gov/iwrm/grants/index.cfm
Flood	USDA	NRCS	Improve floodplain function and reduce effects of flooding on private lands
Flood	Central Valley Flood Protection Plan	DWR	State legislative requirements provide Napa County local planning responsibilities for floodplain management (e.g., general plans, zoning ordinances, development agreements, tentative maps, and other actions).
Flood	NFIP	Napa County Flood Control / Buildings Dept.	NFIP makes federally backed flood insurance available to homeowners, renters, and business owners in participating communities. As a participating member of the NFIP, Napa County Officials are dedicated to protecting homes of more than 160 policies currently in force. <ul style="list-style-type: none"> ▪ 163 policies in force ▪ \$37,987,500 insurance in force ▪ 34 paid losses ▪ \$680,554 total paid losses 6 substantial damage claims since 1978
Flood	DWR Prop 84	DWR	<ul style="list-style-type: none"> ▪ Grant funding just came out from the Flood Operations Center.

Hazard	Plan/Program/ Regulation	Responsible Agency	Comments
<i>Flood</i>	<i>USDA</i>	Natural Resources Conservation Service (NRCS)	Emergency Watershed Protection Program Environmental Quality Incentive Program

B.3.2 Administrative and Technical Capabilities

American Canyon has several departments and agencies that have both the administrative authority and technical capabilities related to hazard mitigation and loss prevention, as identified below:

<i>Staff/Personnel Resources</i>	<i>Yes</i>	<i>No</i>	<i>Department / Agency</i>	<i>Comments</i>
Planners (with land use / land development knowledge)	x		Community Development Department	
Planners or engineers (with natural and/or human caused hazards knowledge) Public Works has capability.	x		Public Works	
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)	x		Building Department	
Emergency Manager	x		City Manager/Fire Chief	
Floodplain Manager (Planning Director / Public Works Director)	x		Public Works	
Land surveyors		x		
Scientists or staff familiar with the hazards of the community		x		
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program	x		Public Works/Fire Department/Engineering Dept	

Staff/Personnel Resources	Yes	No	Department / Agency	Comments
Grant writers or fiscal staff to handle large/complex grants (David Keller)	x		Finance Dept	
Construction Equipment	X		Public Works	
Public Works: <ul style="list-style-type: none"> ▪ Technical Assistance ▪ Personnel Assistance 	X		Public Works	
Utilities / Dam Safety Experts <ul style="list-style-type: none"> ▪ Dam Safety Personnel ▪ PG&E Arborist 		x		

B.3.3 Fiscal Capabilities

This section identifies the financial tools or resources that the City of American Canyon could potentially use to help fund mitigation activities. These include City specific capabilities, as well as county, state and federal resources. It is also important to note that funding can also be sourced from participating agencies/organizations that collaborate with the County in the implementation of mitigation actions.

Table 5-3: American Canyon Fiscal Capabilities

Financial Resources	Yes	No	Department / Agency	Comments
Capital improvement programming	x		Public Works	Plan in place
Community Development Block Grants (CDBG)	x		Housing	Eligible
Special purpose taxes	x		Fire, Public Works, Planning	Property Tax Assessment (Annual + New Development)
Gas / electric utility fees		x		
Water / sewer fees	x	x	Public Works Water Division	

Financial Resources	Yes	No	Department / Agency	Comments
Stormwater Utility fees	x		PBES	
Development impact fees	x		Community Development Department/ Fire Department	
General obligation, revenue, and/or special tax bonds	x			
Partnering arrangements or intergovernmental agreements	x		Fire Department	JPA with City of Napa FD

B.3.4 Political Capability

Political capability in this instance is being measured by the degree to which local political leadership (including appointed boards) is willing to enact policies and programs that reduce hazard vulnerabilities in your community, even if met with some opposition. Examples may include guiding development away from identified hazard areas, restricting public investments or capital improvements within hazard areas, or enforcing local development standards that go beyond minimum State or Federal requirements (e.g., building codes, floodplain management, etc.). The American Canyon Focus Group within the HMP Planning Committee rated the jurisdiction’s political capability to enact policies and programs that reduce hazard vulnerabilities.

The diagram below provides a simple 0 to 5 scale for which the American Canyon Focus Group used to assess the City of American Canyon. The focus group agreed that that political boards are “somewhat willing” to change policy or programs. Generally, a higher score corresponds to a higher degree of community political capability.



Score: 3.0