

F.4 Yountville Hazard Maps

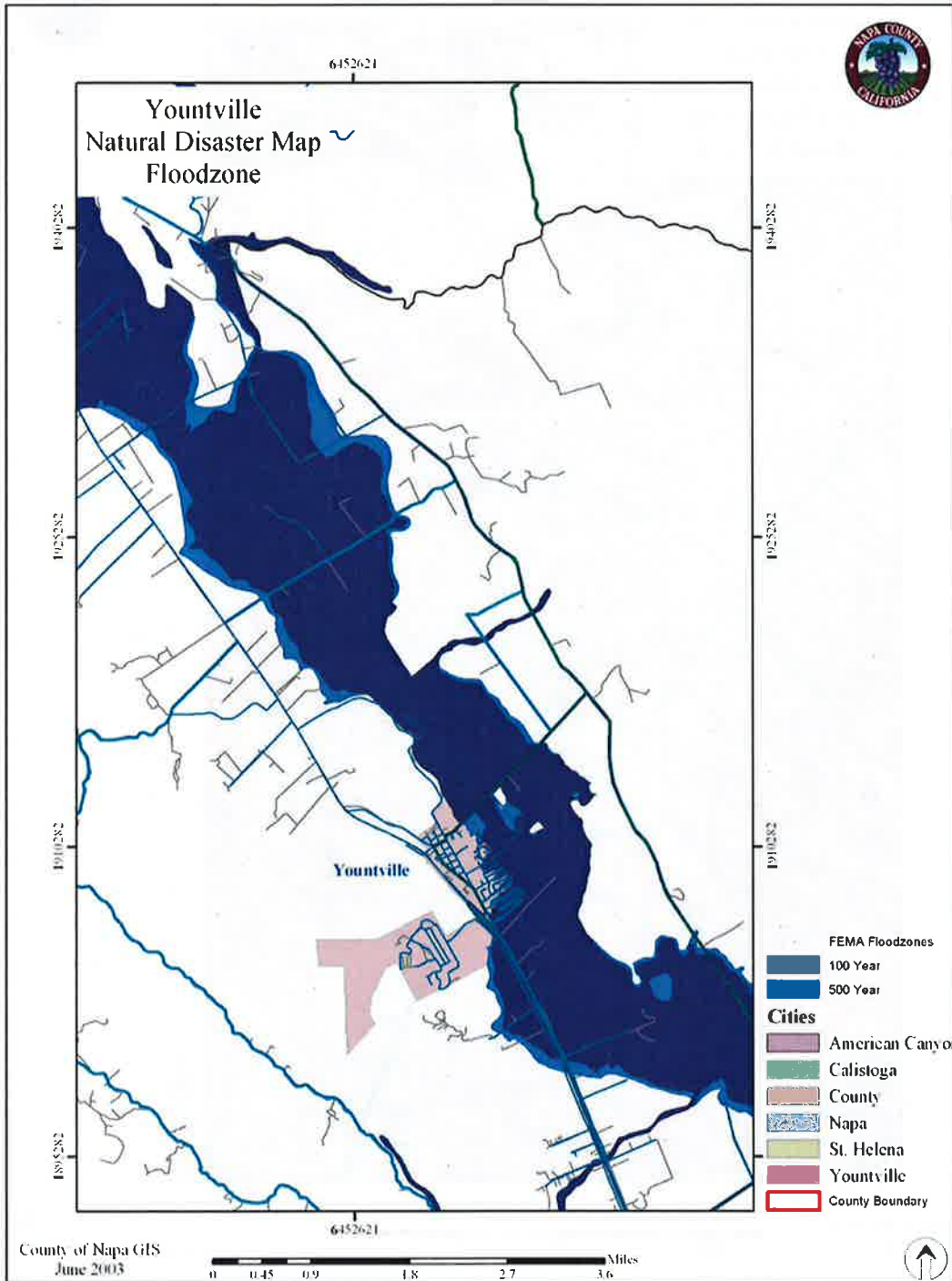


Figure 5-42: Yountville Floodzones

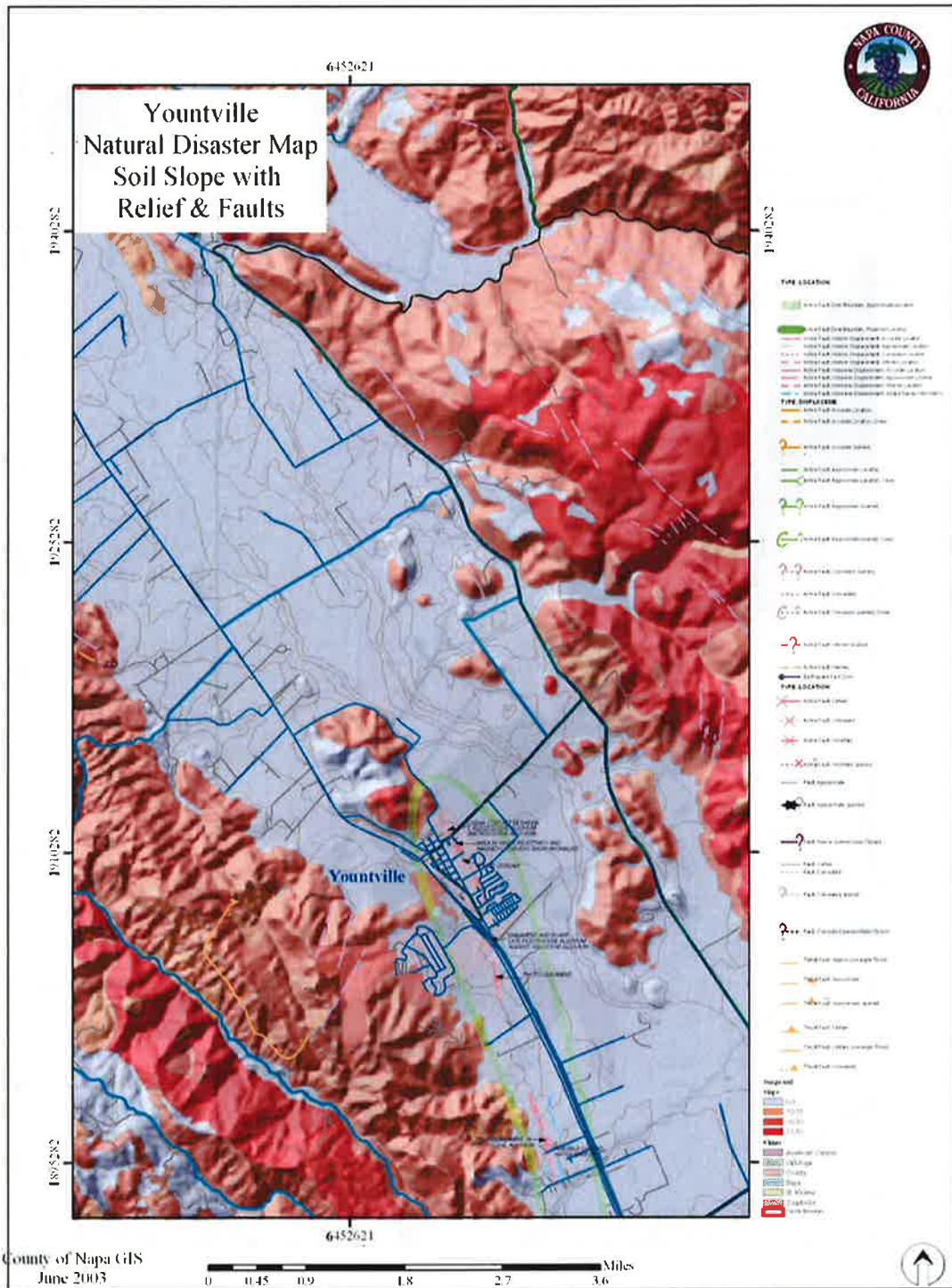


Figure 5-43: Yountville's Faults and Soil Relief

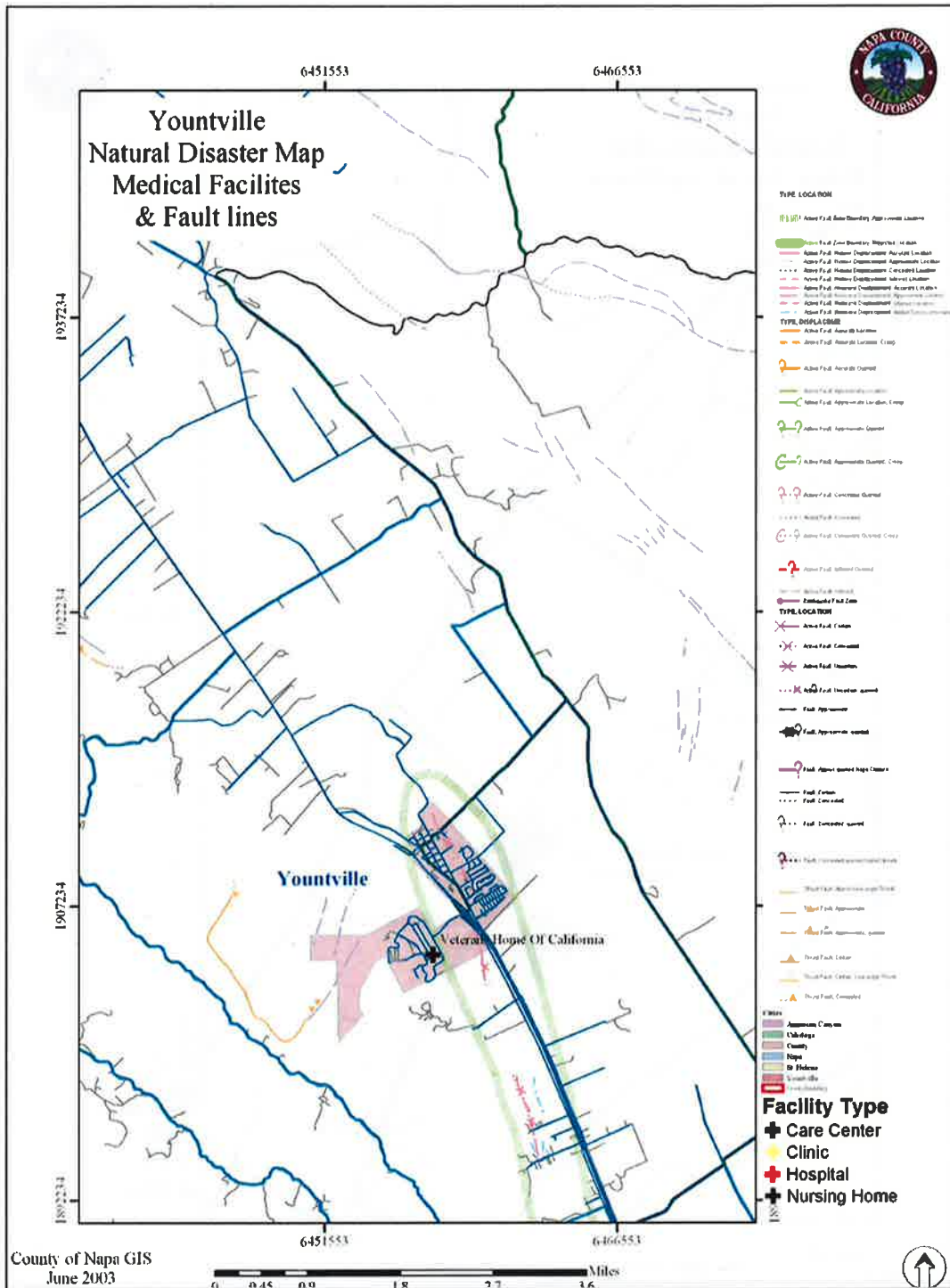


Figure 5-45: Yountville Fault Lines and Medical Facilities

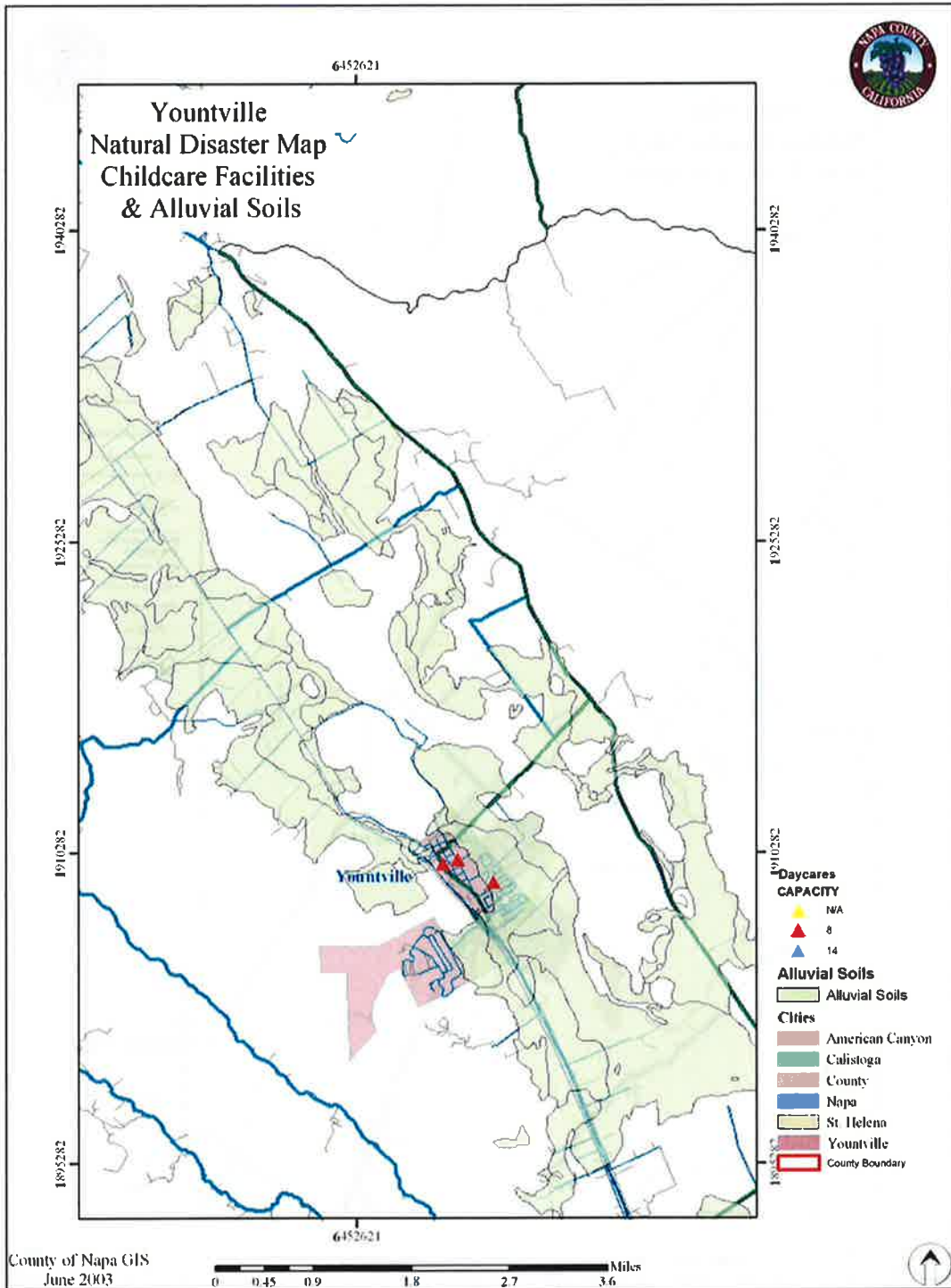


Figure 5-47: Yountville Alluvial Soils and Childcare Facilities

Appendix G. Napa Valley College

G.1 Risk Assessment

Table 5-14 displays RF index criteria and weighting determinations from the Napa Valley College 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 5-15: Napa Valley College Risk Factor Results Table

Rank	Natural Hazards	Probability	Wt.	Impact	Wt.	Spatial Extent	Wt.	Warning Time	Wt.	Duration	Wt.	RF Factor
1	Wildfire	1	0.3	1	0.3	1	0.2	3	0.3	2	0.2	1.3
2	Flooding	2	0.6	3	0.9	3	0.6	4	0.4	4	0.4	2.9
3	Earth-Quake	2	0.6	1	0.3	1	0.2	2	0.2	2	0.2	1.5
Risk Factor Conclusion												
<i>HIGH RISK (3.0 – 4.0)</i>												
<i>MODERATE RISK (2.0 – 2.9)</i>				Flooding								
<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:

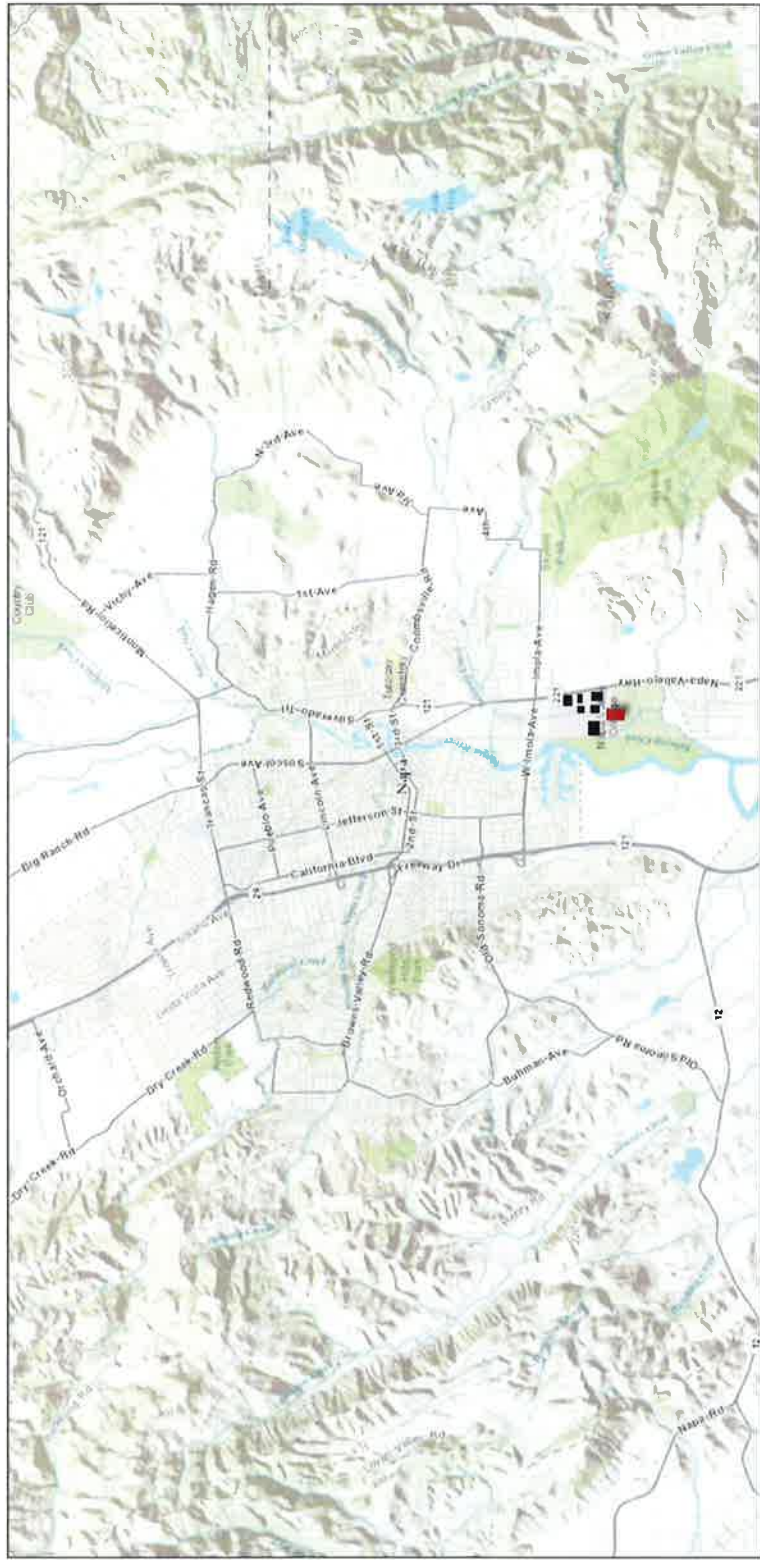
Low Risk—Minimal potential impact. The occurrence and potential cost of damage to life and property is minimal.

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.

G.2 Future Development

Napa City - Napa Valley College



May 22, 2013

1:72,224



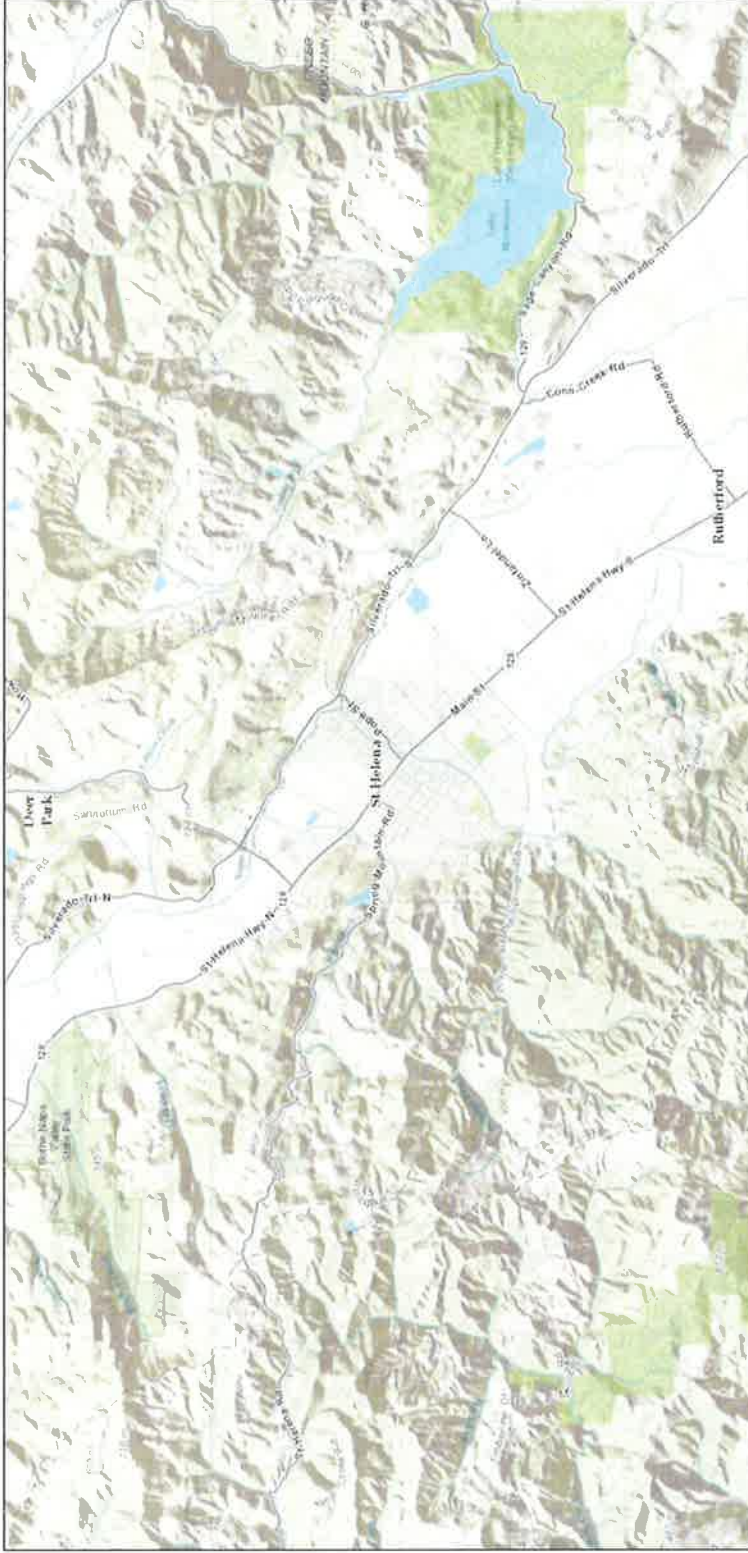
Development Since 2004

Solarfield

Note: All Buildings were constructed above the Floodline; 6.5 acre Solarfield in Flood Plain was constructed above 100 foot floodline

Sources: Esri, DeLorme, NAVTEC, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeBCo, IGN, etc., IGN, Esri, Swisstopo, Mapbox, Esri, China (Hong Kong), Swisstopo, and the US State Community

St. Helena - Napa Valley College



May 22, 2013

1:72,224



Note: No new or planned development on St. Helena Napa Valley College Campus since 2004.

Sources: Esri, DeLorme, NAVTEQ, The Terra Group, Intermap, Infocision, P
 Corp, GEBCO, USGS, FAO, NPS, NRCAN, NRCAN, GEBCO, IGN
 Karlsruhe, N.L. Ordnance, Survey, Esri Japan, METI, Esri China (Hong
 Kong), Swisstopo, and the GIS User Community

Napa College Campus's has experienced a number of facility upgrades and additions since the 2004 Napa County HMP. Development that has occurred since the previously approved (2004) HMP has occurred outside the identified flood plain and has adhered to State Seismic Standards.

A small Solar Field is planned for construction in the near future. The solar field is intently planned for construction in the identified flood plain. Construction methods account for base flood elevations and is considered low impact development within the identified 100-year flood zone.

G.3 Capabilities Assessment

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

G.3.1 Planning and Regulatory Capability

Napa Valley College has several plans and programs in place that guide the College'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 5-15 provides a sample list of possible planning and regulatory capabilities.

Table 5-16: Napa Valley College Planning and Regulatory Capability

Hazard	Plan/Program/ Regulation	Responsible Agency	Comments
Multi-Hazard	California Building Codes	Facilities Department/Department of State Architect	Napa County has adopted new building codes and regulations that protect new development and buildings from flooding, wildfire and EQ.
Multi-Hazard	Zoning Regulations	DSA	
Multi-Hazard	Comprehensive Land Use Plan (or General, Master or Growth Mgmt. Plan)	Facilities Department/Board of Trustees	
Multi-Hazard	Capital Improvement Plan	Facilities Dept./State of California Chancellor's office	
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

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

G.3.2 Administrative and Technical Capability

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

Table 5-17: Napa Valley College Administrative and Technical Capability

Staff/Personnel Resources	Yes	No	Department / Agency	Comments
Planners (with land use / land development knowledge)		x	Planning and Building	
Planners or engineers (with natural and/or human caused hazards knowledge) Public Works has capability.	x		Facilities/College Police	

Staff/Personnel Resources	Yes	No	Department / Agency	Comments
Engineers or professionals trained in building and/or infrastructure construction practices (includes building inspectors)	x		Facilities	
Emergency Manager	x		College Police	
Floodplain Manager (Planning Director / Public Works Director)	x		Facilities	
Land surveyors		x		
Scientists or staff familiar with the hazards of the community	x		Staff in facilities and College Police as well as instructors	
Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program	x		Geology staff / Police	
Grant writers or fiscal staff to handle large/complex grants (David Keller)	x		Business office/Institutional Advancement	
Construction Equipment	x		Facilities	Smaller scale equipment
Public Works: <ul style="list-style-type: none"> ▪ Technical Assistance ▪ Personnel Assistance 	x		Facilities Department	
Utilities / Dam Safety Experts <ul style="list-style-type: none"> ▪ Dam Safety Personnel ▪ PG&E Arborist 		x		

Staff/Personnel Resources	Yes	No	Department / Agency	Comments
State Emergency Management Personnel <ul style="list-style-type: none"> ▪ State OES Access ▪ CCIC Access ▪ Mobile Emergency Personnel ▪ Medical Air Evacuation (Based in Auburn & Redding) 		x		
Regional Medical Assistance Personnel	x		Nursing Institute staff onsite periodically	CMT program on campus
National Weather Service Weather Watchers		x		

G.3.3 Fiscal Capability

This section identifies the financial tools or resources that the College could potentially use to help fund mitigation activities. These include College-specific capabilities, as well as city, 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 5-18: Napa Valley College Fiscal Capability

Financial Resources	Yes	No	Department / Agency
Capital improvement programming	x		District Office
Community Development Block Grants (CDBG)		x	
Special purpose taxes	x		Possible
Gas / electric utility fees		x	
Water / sewer fees		x	
Stormwater Utility fees		x	
Development impact fees		x	
General obligation, revenue, and/or special tax bonds	x		Possible
Partnering arrangements or intergovernmental agreements	x		
DWR Position 84 Bond Funding		x	
Weatherization Services		x	

G.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 Napa Valley College HMP Planning Committee Focus Group rated the political capability to enact policies and programs that reduce hazard vulnerabilities. The diagram below provides a simple 0 to 5 scale for which the Planning Committee used to assess the College. The Napa Valley College Focus Group agreed that that political boards are “moderately willing” to change policies or programs. Generally, a higher score corresponds with a higher degree of community political capability.



G.3.5 Self-Assessment of Capability

The Napa Valley College HMP Planning Committee conducted a short Capabilities Assessment Self-Survey in order to understand the degree of capability for categories reviewed previously in this section. Using as an outline, the Planning Committee agreed “as a group” upon the degree of capability; limited, moderate, or high for each capability area. The survey conclusion results are based upon information provided previously in this Section and working knowledge of College operations.

Table 5-19: Napa Valley College Self-Assessment of Capability

Capability Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability		x	
Administrative and Technical Capability		x	
Fiscal Capability	x		
Community Political Capability		x	

Appendix H. Napa County Office of Education

H.1 Risk Assessment

Table 5-19 displays RF index criteria and weighting determinations from the NCOE HMP Planning Committee. 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 5-20: NCOE 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	3	0.9	3	0.6	3	0.3	4	0.4	2.8
2	Flooding	2	0.6	4	1.2	3	0.6	4	0.4	4	0.4	3.2
3	Earth-Quake	2	0.6	3	0.9	3	0.6	2	0.2	4	0.4	2.4
Risk Factor Conclusion												
<i>HIGH RISK (3.0 – 4.0)</i>												
<i>MODERATE RISK (2.0 – 2.9)</i>				Flooding								
<i>LOW RISK (0.1 – 1.9)</i>				Wildfire, and Earthquake								

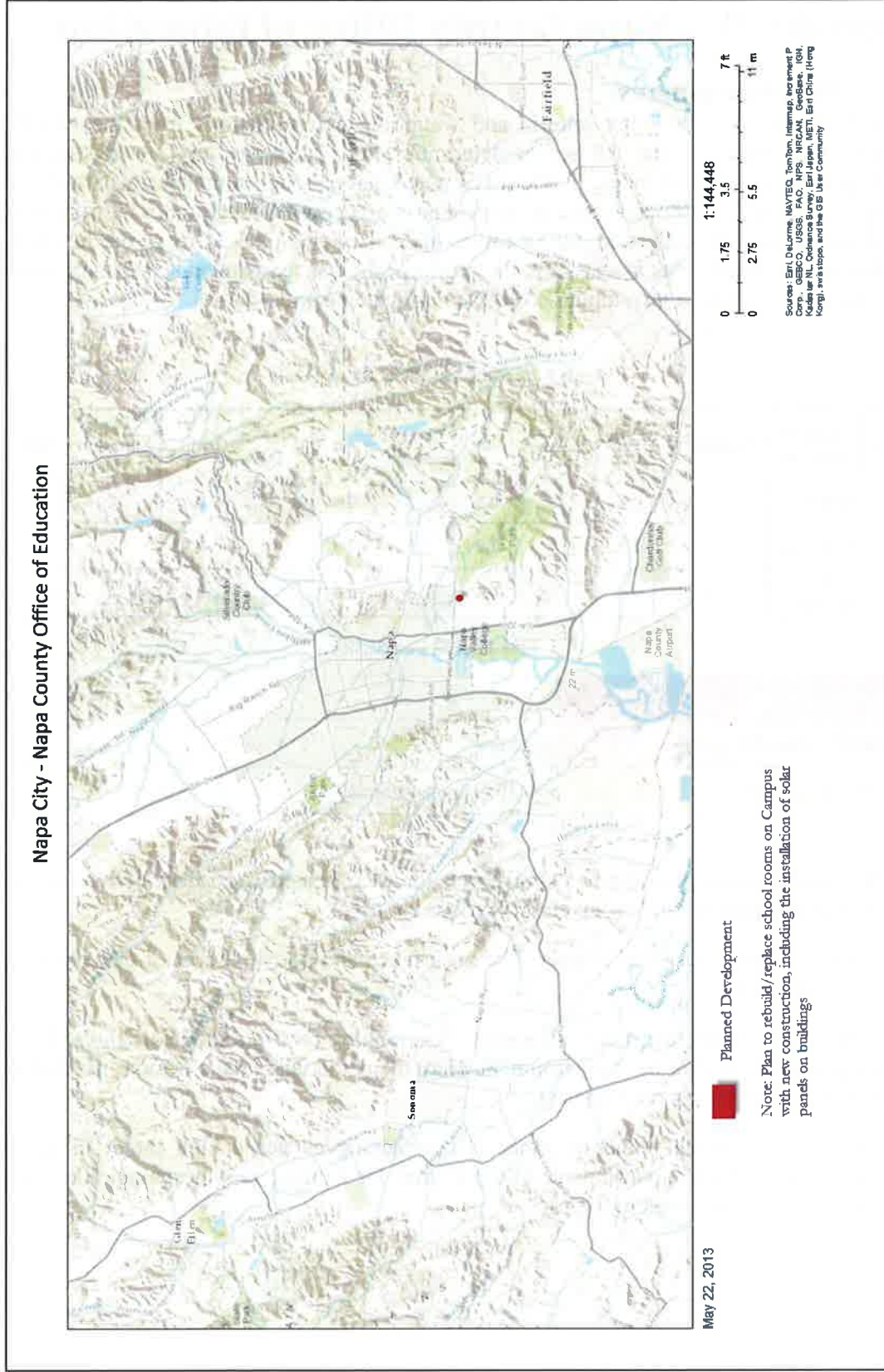
The RF results assist planners to classify risk for each hazard regardless of hazard type. For purposes of this plan the following classifications are used:

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.

H.2 Future Development



The Napa County of Education has experienced minimal development since the 2004 Napa County HMP. Planned future developed is contained within existing campuses.

H.3 Capabilities Assessment

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

H.3.1 Planning and Regulatory Capability

NCOE has several plans and programs in place that guide the mitigation of educational facilities 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 5-20 provides a sample list of possible planning and regulatory capabilities.

Table 5-21: NCOE Planning Regulatory Capability

Hazard	Plan / Program / Regulation	Responsible Agency	Comments:
Multi-Hazard	Education Code	California Department of Education	Napa County Office of Education follows Ed Code as required by California Department of Education.
Multi-Hazard	Division of the State Architect	State of California Department of General Services	<i>Enforces standards for school construction</i>
Multi-Hazard	Office of Public School Construction	State of California Department of General Services	<i>Enforces standards for school construction funded by the School Facility Program</i>

H.3.2 Administrative and Technical Capability

Napa County Office of Education has departments and agencies that have both the administrative authority and technical capabilities related to hazard mitigation and loss prevention, as identified below:

Table 5-22: NCOE Administrative and Technical Capability

Staff/Personnel Resources	Yes	No	Department / Agency	Comments
<i>Planners (with land use / land development knowledge)</i>		X		Districts may have staff in this role
<i>Planners or engineers (with natural and/or human caused hazards knowledge) Public Works has capability.</i>		X		Districts may have staff in this role Napa County Office of Education does not
<i>Engineers or professionals trained in building and/or infrastructure construction</i>		X		Districts may have staff in this role Napa County Office of
<i>Emergency Manager</i>	X		Business Services Division	
<i>Floodplain Manager (Planning Director / Public Works</i>		X		
<i>Land surveyors</i>		X		
<i>Scientists or staff familiar with the hazards of the community</i>		X		
<i>Personnel skilled in Geographic Information Systems (GIS) and/or FEMA's HAZUS program</i>		X		
<i>Grant writers or fiscal staff to handle large/complex grants</i>	X		School and Community Partnership Projects	
<i>Construction Equipment</i>		X		
<i>Public Works:</i> <ul style="list-style-type: none"> ▪ <i>Technical Assistance</i> ▪ <i>Personnel Assistance</i> 		X		
<i>Utilities / Dam Safety Experts</i> <ul style="list-style-type: none"> ▪ <i>Dam Safety Personnel</i> ▪ <i>PG&E Arborist</i> 		X		

<i>State Emergency Management Personnel</i>		X		
<ul style="list-style-type: none"> ▪ <i>State OES Access</i> ▪ <i>CCIC Access</i> ▪ <i>Mobile Emergency Personnel</i> ▪ <i>Medical Air Evacuation</i> 				
<i>Regional Medical Assistance Personnel</i>		X		
<i>National Weather Service Weather Watchers</i>		X		

H.3.3 Fiscal Capability

This section identifies that the NCOE has little to no financial tools or resources that can potentially be used to help fund mitigation activities.

Table 5-23: NCOE Fiscal Capability

<i>Financial Resources</i>	<i>Yes</i>	<i>No</i>	<i>Department / Agency</i>	<i>Comments</i>
<i>Capital improvement programming</i>		X		
<i>Community Development Block Grants (CDBG)</i>		X		
<i>Special purpose taxes</i>		X		
<i>Gas / electric utility fees</i>		X		
<i>Water / sewer fees</i>		X		
<i>Stormwater utility fees</i>		X		
<i>Development impact fees</i>		X		County Offices of Education – No Districts within Napa County - Yes
<i>General obligation, revenue, and/or special tax bonds</i>		X		County Offices of Education - No Districts within Napa County - Yes

survey conclusion results are based upon information provided previously in this Section and working knowledge of NCOE's operations.

Table 5-24: NCOE Self-Assessment of Capability

Capability Area	Degree of Capability		
	Limited	Moderate	High
Planning and Regulatory Capability		X	
Administrative and Technical Capability		X	
Fiscal Capability		X	
Community Political Capability		X	


Appendix I. **Presentation Material**

Napa County Operational Area Hazard Mitigation Plan (NOAHMP) Update



Planning Committee Meeting #1

May 23rd, 2013

Name	Title	Jurisdiction/ Organization	Email	Telephone
Steve Godt	VP - NAPA PLANNING		sgodt@napa.ca.gov	
Steve Rogers	Town Manager	Yountville	Stegers@youth.com	944-8765
Steve Campbell	Fire Chief	Chilistoga	SCampbell@ci.Culistoga.ca.gov	889-2783
Matt Christensen	Director Facilities	Napa Valley College	mchristens@napavalley.edu	707-253-3340
Gwen Weeks	FIRE Chief	Am Can FPD	glen.w@amcanfire.com	707-551-0650
Tim Thompson	LOGISTICS MANAGER BATHING CITY CITY Disaster Plan Mgr	NCOE	j.thompson@ncoe.org	707-263-6089
Steve Brassfield	County GIS	City of Napa	sbrassfield@cityofnapa.org	707-301-0842
Katy Walks	BC	Napa County Fire	katy.walks@countyofnapa.org	707-263-6154
Steve Hawks	BC	Napa County Fire	Steven.Hawks@Fire.ca.gov	707-944-9132
Kerry Whitney	Dir & OES Supt	Napa Co.	kerry.whitney@countyofnapa.org	707-253-4821
Sen. Mike Jones	Regional Director	CA Northwest	sen.jones@redcross.org	707-577-7609
Nick Meisius	Disaster Coordinator	Red Cross - Napa	nick.meisius@redcross.org	707-257-2900



Napa Operational Area
Hazard Mitigation Plan (NOAHMP) 2013 Update
 Napa County, CA
 NOAHMP Planning Committee Meeting #1
 May 23, 2013

Agenda

10:00 a.m. –
10:15 a.m.

Part I

- Welcome and Introductions
- Project Overview
- HMP Update Process and Components
 - Planning Process
 - Plan Components
- Project Timeline
- Question and Answer Session


5 Min Break

10:20 a.m. –
12:00 p.m.

Part II

- Risk Factor Development
- Community Profiles
- Capabilities Assessment


2



Part I

- Welcome and Introductions
- Project Overview
- HMP Process and Components
 - Planning Process
 - Plan Components
- Overview of Existing HMP
- Project Timeline
- Question and Answer Session

3



Welcome and Introductions

Napa County Office of Emergency Services (OES) and Napa County Risk Management

County Project Manager MHMP Planning Committee	Kevin Twohey, OES Director Whoever wants to be!
Michael Baker Jr., Inc. Project Manager Hazard Mitigation Planner GIS /Hazus Specialist Senior Technical Advisor	Ethan Mobley, AICP Desirae Hoffman Lane Simmons Carver Struve, CFM

4



Project Overview

- **What is Hazard Mitigation?**
Hazard mitigation is any sustained action taken to reduce or eliminate long-term risk to life and property resulting from natural hazards.
- **What is a Mitigation Plan?**
The plan is an official statement of Napa County's hazards, vulnerability analysis, and mitigation strategy. The result of a collaborative multi-agency and county citizen planning process. As a living document, it guides implementation activities to achieve the greatest reduction of vulnerability, which results in saved lives, reduced injuries, reduced property damages, and protection for the environment.
- **Why have a Mitigation Plan?**
A mitigation plan allows communities to focus efforts and limited resources on the most highly desirable mitigation projects. Napa County also must have a State and federally approved plan to apply for and receive mitigation grants. These grants can augment local mitigation activities already done and planned activities too. Ultimately, these actions reduce vulnerability and communities are able to recover quickly and return to the "norm" after disasters.

5



Project Overview Primary Objectives

- Reconvene the HMP Planning Committee to provide required input and meet FEMA planning process requirements.
- Update the flood loss analysis to include repetitive loss properties and more information about the National Flood Insurance Program (NFIP) claims at a local scale.
- Update the capabilities assessment to include financial and human resource capabilities necessary to develop and implement mitigation actions
- Identify specific mitigation actions for each participating jurisdiction
- Identify the position, office, department, or agency responsible for implementing and funding mitigation actions
- Improve mitigation action implementation and reporting.
- Improve community profiles to describe changes in development that have occurred in hazard prone areas; increases and/or decreases in community risk as a result of hazard mitigation.
- Various plan updates to meet FEMA requirements.

6



Project Overview Background

- Disaster Mitigation Act (DMA) 2000 (Public Law 106-390) provides the legal basis for FEMA mitigation planning requirements for State, local and Indian Tribal governments as a condition of mitigation grant assistance.
- Napa County developed the 2004 Hazard Mitigation Plan (HMP).
- FEMA requires an update every 5 years.
- Napa County initiated process in 2009; process ongoing.



7



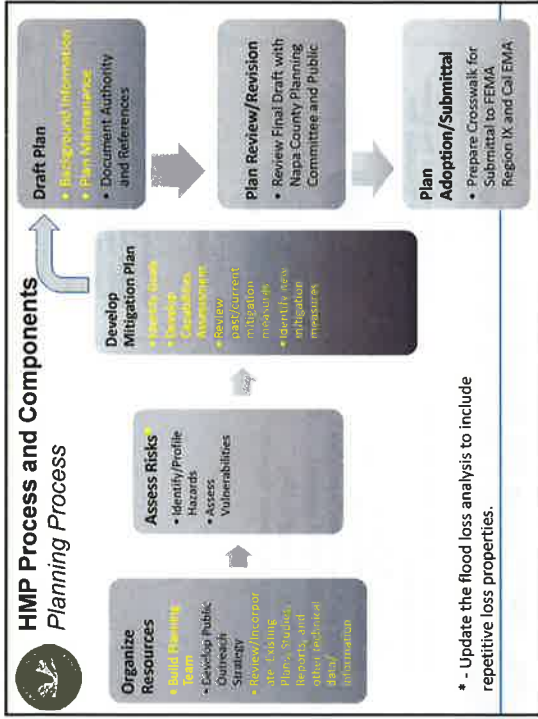
HMP Process and Components Planning Process

The planning process is predefined by federal regulations. The requirements and procedures for State, Tribal and Local Mitigation Plans are found in the Code of Federal Regulations (CFR) at:

Title 44, Chapter 1, Part 201 (44 CFR Part 201)

DMA (44 CFR 201.6)	Common Name
(1) Organize Resources	
201.6(c)(1)	Organize to prepare the plan
201.6(b)(1)	Involve the public
201.6(b)(2) and (3)	Coordinate with other agencies
(2) Assess Risks	
201.6(c)(2)(i)	Assess the hazard
201.6(c)(2)(ii) and (iii)	Assess the problem
(3) Develop the Mitigation Plan	
201.6(c)(3)(i)	Set goals
201.6(c)(3)(ii)	Review possible activities (actions)
201.6(c)(3)(iii)	Draft an action plan
(4) Plan Maintenance	
201.6(c)(4)	Adopt the plan
201.6(c)(4)	Implement, evaluate, and revise

8



HMP Process and Components Planning Process: Step 1 Organize Resources

We need your help!!!

- Build Planning Team**
 - Backbone of the planning process
 - Provides direction for the development of the HMP Update
 - Consists of key decision-makers in specific government functions
 - Public face of the HMP Update Planning Process
 - Provides input throughout the planning process
- Review/Incorporate Existing Plans, Studies, Reports, Technical Data and Other Information**


HMP Process and Components Planning Process: Step 2 Assess Risk

Flood Risk Classification

- Develop Risk Factors for Identified Hazards
- Profile Future Development in High Hazard Areas for each participating Jurisdiction

HMP Process and Components Planning Process: Step 3 Update Mitigation Plan

- Review Past Goals and Objectives**
- Develop Capabilities Assessment**
 - Planning and Regulatory Capability
 - Administrative and Technical Capability
 - Fiscal Capability
 - Political Capability
- Review Past / Current Mitigation Actions**
 - Identify New Mitigation Actions
 - Evaluate/Prioritize Mitigation Actions
 - Identify Implementation Strategy for Mitigation Actions




HMP Process and Components

Planning Process: Step 4 Plan Development


- Section 1: Legal Requirements
- Section 2: Hazard Mitigation Planning Process
- Section 3: Risk Assessment
- Section 4: Mitigation Strategies
- Section 5: Plan Maintenance Procedures
- Section 6: Appendices

Napa Operational Area Pre-disaster Draft Hazard Mitigation Plan February 2012



Napa County, Cities of Calistoga, American Canyon, St. Helena, Town of Yountville, Napa Valley Community College District, Napa County Office of Education, Napa County Board of Supervisors, Napa County Office of Water Conservation District and other Area Partners.

13




HMP Process and Components

Planning Process: Step 5 Review and Revision


- Update Admin Draft Plan
 - Edit and develop existing/new sections in current plan.
- Planning Committee review after edits are complete.
- Prepare for re-submittal, June 2013

Napa Operational Area Pre-disaster Draft Hazard Mitigation Plan February 2012



Napa County, Cities of Calistoga, American Canyon, St. Helena, Town of Yountville, Napa Valley Community College District, Napa County Office of Education, Napa County Board of Supervisors, Napa County Office of Water Conservation District and other Area Partners.

14




HMP Process and Components

Planning Process: Step 6 Plan Re-submittal and Adoptions

- Submit edits to FEMA with Crosswalk for final approval.
- The County BOS has already adopted the Multi-Hazard Mitigation Plan.
- Clock for 5 year update starts after receiving final FEMA approval.
- Next Steps.....Engage in Plan Maintenance and Update Activities

Napa Operational Area Pre-disaster Draft Hazard Mitigation Plan February 2012



Napa County, Cities of Calistoga, American Canyon, St. Helena, Town of Yountville, Napa Valley Community College District, Napa County Office of Education, Napa County Board of Supervisors, Napa County Office of Water Conservation District and other Area Partners.

15



HMP Process and Components

Planning Process: Plan Maintenance


- Plan Maintenance**
 - Monitoring, evaluating and updating the plan is important for the next update.
 - Incorporation into other planning mechanisms
 - Continued public involvement
 - A five-year process

Napa Operational Area Pre-disaster Draft Hazard Mitigation Plan February 2012




Napa County, Cities of Calistoga, American Canyon, St. Helena, Town of Yountville, Napa Valley Community College District, Napa County Office of Education, Napa County Board of Supervisors, Napa County Office of Water Conservation District and other Area Partners.

16




Questions?

17



Session Break

18



Part II

- Risk Factor Development (Task 1)
- Community Profile Update (Task 2)
- Capabilities Assessment Update (Task 3)

19



MHMP Update Planning Process Workshop Process

- Provides us an opportunity to work as a team
- Provides transparency in the planning process
- Includes a series of data collection exercises to assemble necessary and required information.
- Provides documentation of the planning process to be included in the HMP Update
- Minimizes disruption and impacts to business process and resources by divide and conquer.



20




Existing HMP Overview Goals and Objectives

- Promote disaster resistance for existing and future development
- Promote public understanding, support for disaster mitigation
- Protect Napa County from the devastation of large and small scale disasters
- Reduce deaths, injuries, structural damage from flooding
- Reduce deaths, injuries, structural damage from wildfires
- Reduce deaths, injuries, structural damage from earthquakes



21




Operational Area Planning Updating Plan Components

- Napa County Operational Area HMP
 - Napa County Participating Agency
 - Napa County Partner Agency
 - State or Federal Partner Agency
- City of Calistoga
- City of American Canyon
- City of Napa
- City of St. Helena
- Napa County Flood Control and Water Conservation District
- Napa County Office of Education
- Napa Valley College
- Town of Yountville

Umbrella Plan Updates

Create Detailed Jurisdictional Appendices


22



Operational Area Planning Umbrella Plan Updates


- Napa County Operational Area HMP updates will occur in the following sections:
 - Section 2: Community Profiles
 - Section 3: Risk Assessment
 - Section 4: Capabilities Assessment

Napa Operational Area Pre-disaster Draft Hazard Mitigation Plan February 2012



Napa County, Cities of Calistoga, American Canyon, St. Helena, Town of Yountville, Napa Valley Community College District, Napa County Office of Education, Napa County Flood Control and Water Conservation District and other Area Partners


23



Operational Area Planning Participating Jurisdictions Updates

- Jurisdictional Appendices will include the following Sub-Sections:
 - Community Hazard Profile
 - Future Development in High Hazard Areas
 - Capabilities Assessments
 - Mitigation Actions
 - Implementation Strategy

Napa Operational Area Pre-disaster Draft Hazard Mitigation Plan February 2012



Napa County, Cities of Calistoga, American Canyon, St. Helena, Town of Yountville, Napa Valley Community College District, Napa County Office of Education, Napa County Flood Control and Water Conservation District and other Area Partners

24

**Existing HMP Overview
Risk Assessment: Task 1**



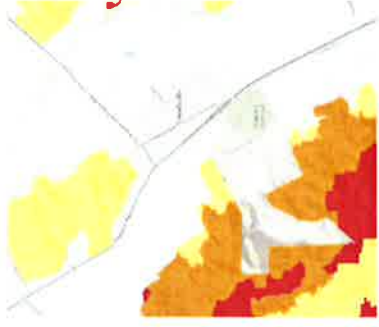
- **Risk Factor Analysis:** The RF approach combines historical data, local knowledge, and consensus opinions to produce numerical values that allow identified hazards to be ranked against one another. These criteria are used to evaluate hazards and identify the highest risk hazard in Napa County.
 - Each degree of risk is assigned a value ranging from 1 to 4 and a weighing factor for each category has been predetermined.
 - The sum of all five categories equals the final RF value, as demonstrated in the example equation below:

$$\text{RF Value} = [(\text{Probability} \times .30) + (\text{Impact} \times .30) + (\text{Spatial Extent} \times .20) + (\text{Warning Time} \times .10) + (\text{Duration} \times .10)]$$

**Existing HMP Overview
Risk Assessment: Task 2**



- **Hazards Identified in 2009 HMP:**
 1. Flooding
 2. Earthquake
 3. Wildfire



- Using maps produced from My Plan: <http://myplan.calema.ca.gov/>
- Identify areas that have been developed since 2004.
- Identify areas that have the potential for development in the next 5 years.

**Existing HMP Overview
Capabilities Assessment: Task 3**




- *Planning and Regulatory Capability*
- *Administrative and Technical Capability*
- *Fiscal Capability*
- *Community Political Capability*
- *Self-Assessment of Capability*



Questions?






Next Steps

Meeting June 20th; 10:00 a.m.
Same Place

Topics:

- Review Past / Current Mitigation Actions
- Identify New Mitigation Actions
- Evaluate / Prioritize Mitigation Actions
- Identify Implementation Strategy for Mitigation Actions.


29




Thank You for Your Participation

Contact: emobley@mbakercorp.com

30



Napa Operational Area
Hazard Mitigation Plan (NOAHMP) 2013 Update
Napa County, CA
NOAHMP Planning Committee Meeting #2
June 20, 2013



Welcome and Introductions

Napa County Office of Emergency Services (OES) and Napa County Risk Management

<p>County Project Manager MHMP Planning Committee</p> <p>Kevin Twohey, OES Director Whoever wants to be!</p>	<p>Project Manager Hazard Mitigation Planner GIS/Hazus Specialist Senior Technical Advisor</p> <p>Michael Baker Jr., Inc.</p> <p>Ethan Mobley, AICP Desirae Hoffman Lane Simmons Carver Struve, CFM</p>
--	--

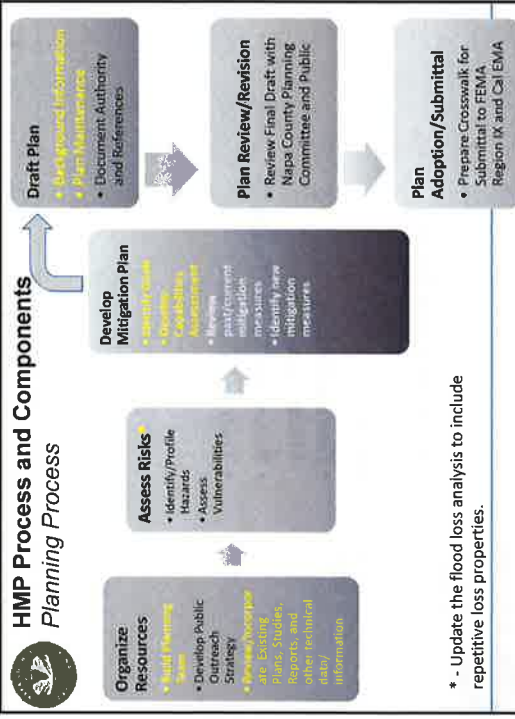
2

Project Overview


- **What is Hazard Mitigation?**
Hazard mitigation is any sustained action taken to reduce or eliminate long-term risk to life and property resulting from natural hazards.
- **What is a Mitigation Plan?**
The plan is an official statement of Napa County's hazards, vulnerability analysis, and mitigation strategy. As a living document, it guides implementation activities to achieve the greatest reduction of vulnerability, which results in saved lives, reduced injuries, reduced property damages, and protection for the environment.
- **Why have a Mitigation Plan?**
A mitigation plan allows communities to focus efforts and limited resources on the most highly desirable mitigation projects and apply for and receive mitigation grants. Ultimately, these actions reduce vulnerability and communities are able to recover quickly and return to the "norm" after disasters.

3

HMP Process and Components




* - Update the flood loss analysis to include repetitive loss properties.



Agenda

- **Mitigation Plan Update**
The Plan identifies a number of mitigation actions for each of the identified hazards (floods, earthquake, and wildfire). However, these mitigation actions address larger Napa County, with the exception of some with specific responsible agencies being participating jurisdictions. Specific mitigation actions for each participating jurisdiction are not identified.
- **Mitigation Action Update**
The Plan does not include any information on the status of the mitigation actions identified in the previously-approved (2004) plan.
- **Mitigation Strategy Update**
Some of the identified mitigation actions do not include an implementation strategy. The Plan only identifies the criteria used to rank the projects/mitigation actions (time horizon, cost, risk benefit, and input from local stakeholders), but does not provide a description of the economic considerations as part of the prioritization process.
- **Implementation Plan Update**
The Plan only describes the integration process and does not provide a description of how the participating jurisdictions incorporated the mitigation plan, as appropriate, into other planning mechanisms as a demonstration of progress in local hazard mitigation efforts.

5



Agenda

10:00 a.m. –
11:45 a.m.

Part I


- Mitigation Action Review

11:15 a.m. –
12:00 p.m.

Part II

- Existing Planning Mechanisms
- Review and Update Tempo
- Tools and Templates


6



Part I

- Mitigation Action Review
- Mitigation Progress Reports
- Detailed Mitigation Implementation


7



Part II

- Existing Planning Mechanisms
- Review and Update Tempo
- Tools and Templates

8




**Operational Area Planning
Updating Plan Components**

- Napa County Operational Area HMP
 - Napa County Participating Agency
 - Napa County Partner Agency
 - State or Federal Partner Agency
- City of Calistoga
- City of American Canyon
- City of Napa
- City of St. Helena
- Napa County Flood Control and Water Conservation District
- Napa County Office of Education
- Napa Valley College
- Town of Yountville

Umbrella Plan Updates

Create Detailed Jurisdictional Appendices


9



Next Steps

Draft Plan, Review and Submittal

10



**Thank You
for Your Participation**

Contact: emobley@mbakercorp.com

11

