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SECTION 16 CITY OF SOLVANG

16.1 INTRODUCTION

This annex was prepared in 2010 – 2011 as part of an update to the Santa Barbara County Multi-Hazard Multi-Jurisdictional Hazard Mitigation Plan. The City of Solvang participated in the County wide Mitigation Advisory Committee. This is a new hazard mitigation plan and the first to be submitted to FEMA for the City of Solvang. This annex serves as a complete hazard mitigation planning tool for the City of Solvang. It contains updated capability assessment information, a new vulnerability assessment, and a complete mitigation strategy. The methodology and process for developing this annex is explained throughout the following sections.

Solvang was founded in 1911 by a group of Danish teachers. Danish for “Sunny Fields”, Solvang is now a popular tourist destination. Located in the Santa Ynez Valley, it is home to a variety of Danish festivals, the Hans Christian Andersen Park, Danish pastries and Danish-themed shops. Solvang was incorporated as a city on May 1, 1985. It is located just off the south coast of the County, at an elevation of roughly 496 feet. The median resident age in Solvang is 46.2, and the median income was \$59,615 according to the 2005-2009 American Community Survey. Solvang, like the rest of the Santa Ynez Valley continues to experience growth as people migrate from the coastal areas looking for affordable real estate within commuting distance to the more populous areas of the County.

RESOLUTION NO. 12-886

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY
OF SOLVANG CALIFORNIA
ADOPTING THE 2011 CITY OF SOLVANG ANNEX FOR
IDENTIFYING RISK ASSESSMENT AND MITIGATION
STRATEGIES AND APPROVING THE
SANTA BARBARA COUNTY MULTI-JURISDICTION
HAZARD MITIGATION PLAN**

WHEREAS, The Federal Disaster Mitigation Act of 2000 (Act), as described in 44 CFR Section 201.6 mandates local governments to submit and maintain a Federal Emergency Management Agency (FEMA) approved local hazard mitigation plan; and,

WHEREAS, The City of Solvang has participated in a county-wide multi-jurisdictional plan with Santa Barbara County as the lead agency; and,

WHEREAS, The Multi-Jurisdiction Hazard Mitigation Plan identifies each jurisdiction's risk assessment and mitigation strategies to reduce the impacts of natural disasters on the public and local government; and,

WHEREAS, Identification of hazards in the City assists with response planning, exercise development, public education, and awareness, and other emergency management functions; and,

WHEREAS, FEMA approved the Santa Barbara County Multi Jurisdiction Hazard Mitigation Plan, and,

WHEREAS, The Federal Disaster Mitigation Act of 2000 requires the Plan to be formally adopted by the City Council and provided to FEMA for formal approval.

NOW THEREFORE IT IS HEREBY RESOLVED by the City Council of the City of Solvang California, as follows:

1. The City Council approves and adopts the 2011 update of the Hazard Mitigation Plan (Exhibit A), in accordance with the Disaster Mitigation Act of 2000.
2. The City Council adopts the Santa Barbara County Multi Jurisdiction Hazard Mitigation Plan
3. This Resolution is effective upon its adoption.

PASSED, APPROVED AND ADOPTED at a regular meeting of the City Council of the City of Solvang , January 23, 2012 by the following vote:

AYES: Mayor Richardson, Council Members Duus, Jamieson, Palmer and Wood

NOES:

ABSTAIN:

ABSENT:



Jim Richardson, Mayor

ATTEST:



Mary Ellen Rio, City Clerk

16.2 INTERNAL PLANNING PROCESS

Table 16-1 lists the City of Solvang Local Planning Team. These individuals collaborated to identify the City's critical facilities, provide relevant plans, report on progress of city mitigation actions and provide suggestions for new mitigation actions.

Table 16-1 City of Solvang Local Planning Team 2011

Name	Title
Brad Vidro	City Manager
Mary Ellen Rio	Emergency Coordinator
Matt van der Linden	Public Works Director

16.2.1 City Local Planning Team Meetings and Outcomes

The City of Solvang Local Planning Team (LPT) met regularly during the planning process to review and complete this hazard mitigation plan. No formal documentation of these discussions was captured.

16.2.2 Public Involvement

In March 2011, an online survey was distributed county-wide to solicit public input regarding the concern for risk to natural hazard events and suggestions for how local government could minimize the risk. The City of Solvang notified residents and businesses of the opportunity to participate in the survey through issuing a press release, posting it on the City's website, and sending email notifications. A copy of the survey is included in County Appendix 3C. Copies of the City's outreach materials are included in Section 16.8, Solvang Attachment 1: Outreach Materials.

Survey Results

The survey respondents from the City of Solvang identified earthquake and wildfire as the two hazards of primary concern. Dam failure and flooding follow closely as secondary concerns. Overall, the City of Solvang's Local Planning Team found all four of these hazards of primary concern. That rationale is presented in Section 16.4.

Solvang respondents indicated they have made improvements to their property to reduce risk of damage (refer to Question 3) including implementing and/or maintaining defensible space around their properties to reduce damage from wildfires, along with many other efforts. The results of the survey provide valuable information for the City of Solvang as they continue in their mitigation efforts. These responses may be used as a bench mark for future measurements of improvement. For example, the City may choose to focus on educational outreach about what homeowners and renters

can do to reduce future damage from natural hazards. After this type of implementation, a similar survey may be administered to validate the progress and confirm that more residents have implemented mitigation practices.

The survey allowed the City of Solvang an opportunity to expand the list of stakeholders. Respondents provided contact information and will be given an opportunity to review/comment on the complete draft prior to adoption. As the City continues to increase awareness of hazard mitigation, the suggested stakeholders (item 21 below) will be considered for involvement in future mitigation planning discussions.

As a result of this survey, the City recognizes flooding and earthquake as the two major disasters over wildfire. The City acknowledges that the Bradbury Dam Booklet could be updated, more emergency preparedness information distributed and additional CERT training will be conducted.

The survey responses received from the City of Solvang residents are summarized below:

1. 31 out of 510 survey respondents were from the City of Solvang. No responses were received in Spanish.
2. Respondents were asked which three hazards, out of the seven hazards the MAC identified, are of most concern to their neighborhood or home. Below are responses from residents of Solvang (in order of most responses):

Hazard	Number of Responses
Earthquake	29
Wildfire	22
Dam Failure	16
Flooding (including coastal surge)	11
Landslide/Coastal Erosion	8
Agriculture (pests and disease)	4
Additional Hazards*	4
Tsunami	0

* Respondents noted the following additional hazards: Wind, Looting in major disaster, Trees, Vacant lots, too much on street parking.

3. Respondents were asked what they are doing to their property or within their home to reduce future damage from the hazards identified above. Below is a summary of responses:

Property Mitigation	Responses
Seismic retrofit of the structure and / or foundation	3
House elevation or first floor modification to prevent flood damage	2
Installed backflow prevention device(s)	7
Defensible space landscaping (clear vegetation around house to reduce wildfire risk)	13

Roof retrofit using fire resistant material	7
Installation of fire sprinklers	1
Installation of fire hydrant or above ground water storage tank	1
Strengthened openings (Doors, windows, and/or garage door to reduce high-hazard wind risk)	5
Other (please specify)	6

*The responses to "Other" were: Many of these already exist for the condo development that I am in, including backflow prevention device, defensible space landscaping, fire resistant roof, fire sprinklers in all units, access to fire hydrant. Property is well out of flood zone. None-no money/renters. Braced items in home against earthquake. Selecting the right trees for the location, ex; large oak next to a house is not a good. idea. Food and drinking water storage. RO filters in kitchen.

4. Respondents were asked if a severe hazard event occurred today, such that all services were cut off from their home and they were unable to leave or access a store for 72 hours, which items they would have readily available. Below is a summary of responses from Solvang respondents:

Item that is Readily Available	Responses
Potable Water (3 gallons per person)	22
Cooking and eating utensils	30
Can Opener	28
Canned / Non-perishable Foods (ready to eat)	26
Gas grill / Camping stove	28
Extra Medications	17
First Aid Kit/Supplies	27
Portable AM/FM Radio (solar powered, hand crank, or batteries)	20
Handheld "Walkie-Talkie" Radios (with batteries)	9
Important Family Photos/Documentation in a water and fire proof container	7
Extra Clothes and Shoes	22
Blanket(s)/ Sleeping Bag(s)	26
Cash	12
Flashlight (with batteries)	29
Gasoline	10
Telephone (with batteries)	21
Pet Supplies	17
What else do you have in your emergency kit?*	5

* Respondents noted the following additional items in their emergency kits: I have taken the CERT training course and I carry an emergency bag in my car and I have a larger kit for my home. Generator, propane tanks, camping trailer, 4x4 transportation. Cell phone. Sun cooker, sun shower, porta potty. Telephone number to call for family connection.

5. Respondents were asked if they have a plan for evacuating large animals and pets. Below is a summary of responses:

- 8, or **27.6%** of respondents, answered that they **have a plan for evacuating their pets (cats, dogs, etc).**
- 1, or **3.4%** of respondents, answered that they **have a plan for evacuating large animals (horses, cows, etc).**
- 9, or **31%** of respondents, answered that **they have pets but have not planned for their evacuation.**
- **None** of the respondents answered that **they have large animals but have not planned for their evacuation.**
- 11, or **37.9% of respondents**, answered that **they have no large animals or pets.**

6. Respondents were asked if they are familiar with the special needs of their neighbors in the event of a disaster situation. Below is a summary of responses:

- 16, or **53.3%** of respondents, indicated that they **are familiar with the special needs of their neighbors.**
- 14, or **46.7%** of respondents, indicated that they **are not** familiar with the special needs of their neighbors.

7. Respondents were asked if they are a trained member of their Community Emergency Response Team (CERT). Below is a summary of responses:

- 5, or **17.2%** of respondents, indicated that **they are part of CERT.**
- 11, or **37.9%** of respondents, indicated that **they are not a part of CERT, but would like to learn more about CERT.**
- 13, or **44.8%** of respondents, indicated that **they are not interested in being a part of CERT.**

Respondents were asked to share why they are a trained CERT member, or why they are not part of CERT. The received responses are listed below:

- There isn't one in my area. As a retired municipal employee, I have been trained in EOC procedures, which could be a good base.
- Didn't know Solvang has one.
- CPR certified.

8. Respondents were asked what the most important thing local government can do to help communities be more prepared for a disaster. Below is a summary of responses:

Things Local Government can do to help prepare	Number of Responses
Disseminate effective emergency notifications and communication	24
Provide training and education to residents and business owners on how they can reduce future damage	15
Community outreach regarding emergency preparedness	18
Being aware of special needs and vulnerable populations	13
Make a plan to use volunteer residents to help in a disaster	19
Other	2

The responses to “Other” were:

- Identify disabled and elderly people who live alone to make sure first responders get to them and their pets first.
- Have an emergency number with an actual human that answers to give adequate information

9. Respondents were asked if they live in an apartment building or home with a living space above a garage or parking area.

- 23, or **76.7%** of respondents, indicated that they **do not** live in an apartment or home with living space above a garage or parking area.
- 7, or **23.3%** of respondents, indicated that they **do** live in an apartment building or home with living space above a garage or parking area.

Those respondents who indicated that they do live in an apartment building or home with living space above the garage or parking area were asked to describe their level of concern for the building to collapse in a large earthquake event. 2 respondents indicated that they have “High Concern”, 6 respondents indicated that they have “Moderate Concern”, 1 respondent indicated that they have “Little Concern”, 1 respondent indicated that they have “No Concern”, 5 respondents indicated that the question was “Not Applicable” and 16 respondents skipped this question.

10. Respondents who are homeowners were asked if they have adequate homeowners insurance to cover the hazards that could impact their home. Below is a summary of responses:

Answer	Responses
--------	-----------

Answer	Responses
Yes, my insurance coverage should be adequate	21
No, I don't believe my insurance coverage would be adequate for a major disaster	6
Unsure	2
I do not have an insurance policy	0
Not applicable, I rent my current residence	2

11. Respondents who are renters were asked if they have renter's insurance. Below is a summary of responses:

Answer	Responses
Yes	1
No	1
Not applicable, I own my residence.	17

12. Respondents were asked if they have earthquake insurance. Below is a summary of responses:

Answer	Responses
Yes, I own my home and have earthquake insurance.	6
Yes, I rent my home and have earthquake insurance.	0
No, but I am interested in reviewing earthquake insurance options.	4
No, earthquake insurance is too expensive.	20
No, I do not need earthquake insurance.	1

13. Respondents were asked if they have flood insurance. Below is a summary of responses:

Answer	Responses
Yes, I own my home and have flood insurance.	8
Yes, I rent my home and have flood insurance.	0
No, but I am interested in reviewing flood insurance options.	5

Answer	Responses
No, I do not need flood insurance	17

14. Respondents were asked to note any additional insurance listed for their home or property.

- I have both coverage for the exterior through the Condo HOA and earthquake insurance for the interior of my condo - to cover what the HOA insurance does not. The individual insurance for a 2 bedroom condo is EXTREMELY expensive - over \$500/year.
- Umbrella policy for liability, large animal liability

15. Respondents were asked if they work in Santa Barbara County.

- 25, or **83.3%** of respondents, indicated that they **do** work in Santa Barbara County.
- 5, or **16.7%** of respondents, indicated that they **do not** work in Santa Barbara County.

16. Respondents were asked if their place of work is in an area susceptible to natural hazards. Below is a list of natural hazards and responses from survey respondents:

Natural Hazard	Response
High-risk flood zone	5
Earthquake fault zone	10
Liquefaction zone	2
Landslide Risk Area	2
Wildland Urban Interface (wildfire risk area)	5
I don't know	7
Other*	2

17. Respondents were asked if their employer has a plan for disaster recovery in place.

- 20, or **71.4%** of respondents, **indicated that their employer does have a disaster recovery plan in place.**
- 2, or **7.1%** of respondents, **indicated that their employer does not have a disaster recovery plan in place.**

- 6 respondents were unsure if their employer has a disaster recovery plan in place.
- 3 respondents skipped this question.

18. Respondents were asked if their employer has a workforce communications plan to implement following a disaster so they may contact their employees.

- 20, or **71.4%** of respondents, indicated that their **employer does** have a workforce communications plan.
- 4, or **14.3%** of respondents, indicated that their **employer does not** have a workforce communications plan.
- 4, or **14.3%** of respondents, indicated that they are **unsure** if their employer has a workforce communications plan.
- 3 respondents skipped this question.

19. Respondents were asked to list any studies that they are aware of being conducted within their community or the county regarding the risk to future hazard events. 5 respondents replied to this question. These answers are summarized below. 26 respondents skipped this question.

- URM studies have been done in the City of SB & most building have been protected. County has dam inundation studies. Tsunami inundation mapping has been done for County & coastal cities. Most cities in CA have hazards mapping as part of their Safety Elements, required by the General Plan.
- Unreinforced Commercial Masonry Building, Flood/Hydrology Study.
- Unreinforced buildings were identified a few years back and given ample time to retro.

20. Respondents were asked what recommendations they have for Santa Barbara County and the incorporated cities to improve identification, prioritization, and implementation of actions intended to reduce future damage and increase resiliency. The following recommendations were received:

Recommendations for Santa Barbara County	Number of Responses
Perform outreach to ensure people are aware of their environment and the inherent risks	16
Provide training and materials on how residents can be prepared for the identified risks	17
Enforce/update building codes	10
Other*	6

The responses to “Other” were:

- Set up CERT teams throughout the County
- It would be unfortunate if homeowners were forced into expensive upgrades at this time. Most people are just trying to hang onto their homes at this point.
- Regarding natural disasters: forcing insurance companies to make earthquake insurance affordable, and shutting down Diablo Canyon would be the best preparation possible for the very likely event of an earthquake."
- Getting rid of the red tape at the county and city level so the cost to upgrade is not so expensive. More people would probably upgrade if they could afford it, however the county and city permits are so expensive and time consuming people would rather let their home fall down than deal with the government entities.
- Get Insurance companies to lower the price of earthquake insurance.
- Keep vacant lots mowed all year round. Trim all trees and heavy plant growth every year.
- FYI - Solvang does not lie on an earthquake fault.
- Updated codes only apply to new construction...educate people how they might make their older homes safer.

21. Respondents were asked to recommend any companies or local associations that should be involved in the Santa Barbara County hazard mitigation planning process. The following contacts were given:

- School PTO's
- Water districts
- Natural History Societies
- Atterdag Village/Senior Living Facility

22. Respondents were asked if they would like to review and comment on a draft of their jurisdictions annex to the Multi-Jurisdictional Multi-Hazard Mitigation Plan.

- 8, or **30.8%** of respondents **said they would** like to review and comment on the draft plan.
- 18, or **69.2%** of respondents said **they would not** like to review and comment on the plan draft.

Fourteen respondents who said they would like to review and comment on the draft plan included their contact information.

23. Respondents were asked to provide any additional comments/suggestions/questions.

- The truth is, we are already in a disaster- an economic disaster. Making sure we do not have large numbers of at-risk populations- people without homes, medical care, etc. BEFORE a disaster strikes would be the first way to make sure we remain a healthy county. The county should build up schools and libraries and mass transit, and make available primary medical care centers in all communities before worrying about what if the dam breaks.
- Suggestion to update the pamphlet titled "What to do if the Dam Breaks"
- Are there any plans to train citizens if Diablo has a meltdown event?
- Californians need to stop expecting the government to do everything for them. Take care of themselves and stop wasting tax-payers money
- "I am really concerned about wildfires. How about Solvang/the Santa Ynez Valley adopt a NO SMOKING policy at all? Meaning NO SMOKING anywhere anytime. Make sure disabled people and elderly people are identified and can be responded to first. They often live alone with a pet and are very vulnerable."
- Many homeowners only have cell phones. Need a Reverse 911 cell phone registry for notification during emergency.

Public Review Period

On September 21, 2011, the City distributed email notifications to relevant stakeholders and interested community members based on the contact information received in the survey responses. This notification announced the availability of the Review Draft of this annex for public review and comment on the City's website: www.cityofsolvang.com. On the same day, the City of Solvang issued a press release advertising the public review period. The public were encouraged to submit comments prior to October 14th, for incorporation into this draft. No comments were received by this date. Any comments received after the adoption of this annex will be catalogued for consideration in future updates to this annex. Copies of the website posting, email distributions, and press release are included in Section 16.8, Solvang Attachment 1: Outreach Materials.

16.3 CAPABILITY ASSESSMENT

The City of Solvang identified current capabilities and mechanisms available for implementing hazard mitigation activities. This section presents a discussion of the roles of key departments, administrative and technical capacity, fiscal resources, and summaries of relevant planning mechanisms, codes, and ordinances.

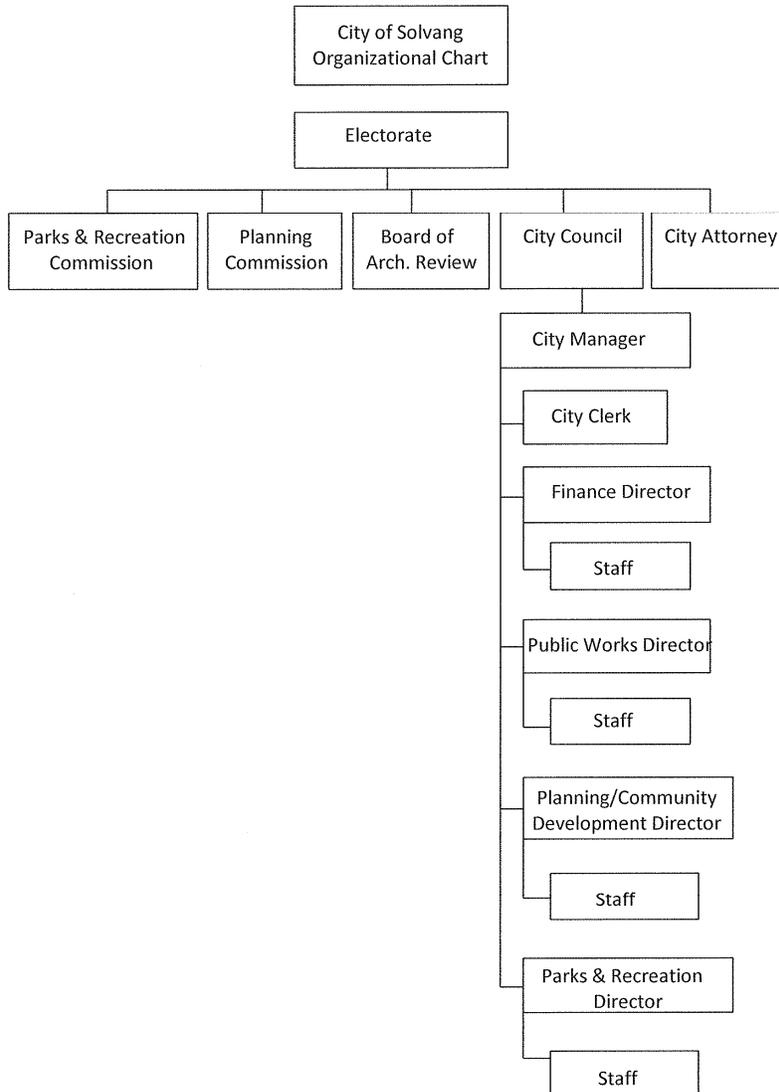
16.3.1 Key Departments

Solvang utilizes the Council-Manager form of local governance, which includes both elected officials and an appointed City Manager. Solvang has five council members, which includes an elected

mayor with a two-year term and a mayor pro-tem, who is appointed each calendar year to represent Solvang.

The City Council is Solvang's legislative body, setting policy, approving budgets, and setting tax rates. Members also hire the City Manager, who is responsible for the day-to-day administration of Solvang, and serves as the Council's chief advisor. The City Manager prepares a recommended budget, recruits and hires most of the City's staff, and carries out the council's policies. While the City Manager may recommend policy decisions, he is ultimately bound by the actions of the Council. The Council appoints the City Attorney. Solvang's organizational chart is shown below.

City of Solvang
Organizational Chart



Departments involved in activities related to Hazard Mitigation include:

Fire Protection Services (Solvang is part of the Santa Barbara County for Fire District.)

Administration: Develop, implement and monitor policies, procedures, budgets, fees, automatic aid agreements, mutual aid agreements, and liaison with other City departments and outside agencies.

Fire Prevention Bureau: Coordinate adoption of codes and ordinances, review site and building plans for fire code compliance, and develop and present public education programs.

Emergency Medical Services: Manage the department's paramedic and EMT programs, respond to medical emergencies and other calls for service, and participate with other community and regional health care providers to reduce public illness and injury.

Suppression Division: Maintain the department's personnel, apparatus, equipment and fire stations in a state of readiness to respond to the community's needs, develop and implement standard operating procedures for various types of emergency responses, respond to all types of emergencies, and train and interact with neighboring jurisdictions and regional agencies.

Building & Safety Department (Solvang contracts with a private company for Building & Safety services)

Coordinate adoption of building, plumbing, electrical, and mechanical codes. Develop building ordinances.

Review site and building plans for compliance with building codes and ordinances.

Damage assessment of structures from multiple causes to facilitate repair and future occupancy.

Solvang City Manager/Planning Department

Emergency Management: Coordinate Solvang's Disaster Preparedness Program, liaison with all City departments and divisions, as well as other public and private organizations, develop, coordinate and implement the EOP, and maintain the operational readiness of Solvang's Emergency Management Team, the E.O.C., and other key elements.

Develop and maintain Solvang's general plan, zoning ordinances and development standards.

Oversee Solvang's development process assuring compliance with zoning and general plan, and including environmental impact reports, design review, historic preservation, landscape review, habitat conservation, floodway prohibitions and floodplain development standards.

Through the code enforcement program, manages Solvang's weed abatement program.

Solvang Public Works Department

Maintains Solvang's infrastructure (assets) ranging from streets to parks to buildings, vehicle fleet, water and wastewater infrastructure.

Responds to Solvang's emergencies, includes EOC response in disasters and assisting police and fire departments with hazardous materials clean up, debris removal, traffic and perimeter control efforts, traffic accident clean up and evacuation routing.

Operates, maintains and enhances both the water distribution and Wastewater collection systems within Solvang.

Responsible for planning and implementation associated with the following plans:

- Bradbury Dam Emergency Action Plan
- Water Quality Emergency Notification Plan
- Water Division Emergency Response Plan

- Wastewater Overflow Response & Prevention Plan
- WTP Operations Plan
- Stormwater Management Program

Engineering Department

Reviews engineering on private and public grading, floodways, retention basins, transportation infrastructure and structures to assure compliance with Federal, State and local ordinances on seismic and structural stability.

Develops engineering ordinances and policies that help protect and preserve Solvang's infrastructure.

Evaluates all circulation elements for projected traffic impacts.

Determines needed infrastructure improvements, water system and water/Wastewater treatment capabilities.

Provides response personnel for evaluation of damaged infrastructure.

Responds as part of Solvang's EOC Team.

Coordinates other response agencies assisting with damage assessment.

Police Department (Solvang contracts with Santa Barbara County Sheriff's Department for Police Services).

Responds to safety concerns involving threats and/or damage to life or property. Acts as the enforcement entity for violations of State and local laws and ordinances.

Primary emergency responders to acts of civil disobedience and public disorders and terrorism. Support personnel for emergency rescue and management.

Investigative services for criminal acts that result in personal injury/death and the destruction of property.

Develops and implements emergency response plans and policies, focusing on evacuation procedures and traffic control.

Primary responders to acts of terrorism, focusing on suspect intervention and facility and staff protection.

16.3.2 Administrative and Technical Capacity

The administrative and technical capabilities of Solvang, as shown in Table 16-2, summarizes the staff, personnel, and department resources available to implement the actions identified in the mitigation section of the Plan. Specific resources reviewed include those involving technical personnel such as planners/engineers with knowledge of land development and land management practices, engineers trained in construction practices related to building and infrastructure, planners and engineers with an understanding of natural or manmade hazards, floodplain managers, surveyors, personnel with GIS skills and scientists familiar with hazards in the community.

**Table 16-2
Solvang’s Administrative and Technical Capacity**

Staff/Personnel Resources	Y/N	Department/Agency and Position
A. Planner(s) or engineer(s) with knowledge of land development and land management practices	Y	Planning – Planning Director
B. Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Y	Engineering, Public Works, & Director – City Engineer, & Contract Building Official
C. Planners or Engineer(s) with an understanding of natural and/or manmade hazards	Y	Planning & Engineering – Planning Director/City Engineer
D. Floodplain manager	Y	Engineering – City Engineer
E. Surveyors	Y	Engineering – County Surveyor
F. Staff with education or expertise to assess the community’s vulnerability to hazards	Y	Fire Department/Planning – Fire Chief and Planning Director
G. Personnel skilled in GIS and/or HAZUS	Y	Engineering & Planning – City Engineer and Planning Director
H. Scientists familiar with the hazards of the community	Y	Consultants
I. Emergency Manager/Emergency Coordinator	Y	City Manager/City Clerk
J. Grant writers	Y	City staff

16.3.3 Legal and Regulatory Capabilities

The legal and regulatory capabilities of Solvang are shown in Table 16-3, which presents the existing ordinances and codes that affect the physical or built environment of Solvang. Examples of legal and/or regulatory capabilities include building codes, zoning ordinances, subdivision ordinances, special purpose ordinances, growth management ordinances, site plan review, general plans, capital improvement plans, economic development plans, emergency response plans, and real estate disclosure plans.

**Table 16-3
Solvang’s Legal and Regulatory Capability**

Regulatory Tools (ordinances, codes, plans)	Local Authority (Y/N)	Does State Prohibit (Y/N)
A. Building code	Y ¹	N
B. Zoning ordinance	Y	N
C. Subdivision ordinance or regulations	Y	N
D. Special purpose ordinances (floodplain management, storm water management, hillside or steep slope ordinances, wildfire ordinances, hazard setback requirements)	Y ²	N
E. Growth management ordinances (also called “smart growth” or anti-sprawl programs)	Y	N
F. Site plan review requirements	Y	N
G. General or comprehensive plan	Y	N
H. A capital improvements plan	Y ³	N
I. An economic development plan	Y ⁴	N
J. An emergency response plan	Y	N
K. Real estate disclosure requirements	Y	N

¹Building Code, ²25% slopes, flood plain, smart-growth, ³Storm Drains, ⁴General Plan.

16.3.4 Financial Resources

Solvang’s financial worth has steadily grown over the years. The Finance Department confirms that Solvang has over 2,000 properties with a total taxable value of approximately \$945,000,000.

The General Fund balance is an important element that can show Solvang’s financial strengths or weaknesses. For Fiscal Year 2010-2011 (FY 10-11), Solvang’s operating budget has been set at approximately \$18,000,000. The revenue budget for Solvang contains more than 90 line items representing different sources, each governed by a distinct set of conditions particular to that revenue source. The largest revenue factor and the core of the resource base that enables Solvang’s provision of community services is the local revenue portion of Solvang’s General Fund. Solvang’s revenue base is determined by different community conditions such as the current population, employment and income, economic activity within Solvang, and the growth of invested value from residential and commercial construction, business investment in plant and equipment, and demand for local real

property. National, State, and regional economic conditions can also affect Solvang's revenue base by creating demand for community goods and services produced within Solvang. 10. The primary revenue sources for the City are transient occupancy tax, sales tax, and property tax. The majority of expenditures are for operation and maintenance and employee salaries and benefits.

Over the last few years, California's budget has diminished rapidly due to decreased tax revenues from an economic recession. The overall health of California's economy has a significant influence on local cities and counties, as local government appropriations are usually the first to have their appropriations diminished due to downturns in the economy.

Solvang's major economic drivers for its revenue base are from transient occupancy tax sales tax, population growth, employment, construction, property values, and commercial activities. Solvang will begin to see a deceleration of population growth and construction over the next seven years based on the fact that Solvang is nearly built out. Solvang has outstanding debt of \$1,366,350.

Solvang's long-term financial and programmatic policies to be achieved over the next few years demonstrate its dedication to protecting the life and property of Solvang residents and businesses include:

- Continued development of the storm water management system and continued qualitative drainage measures.
- Provide support in public safety to maintain current response time and professionalism, to limit injury, loss of life, and property.
- Funding of emergency preparedness training, including CERT.

Overall, Solvang has indirectly referenced mitigation and hazard reduction principles throughout many of the aforementioned documents, plans, and policies. Integrating more direct language referencing mitigation and hazard reduction will help to reinforce Solvang's commitment to these principles. The indirect references can also indicate that the responsibility for hazard reduction is shared among numerous departments within Solvang, making it a challenge to identify a particular department to take the lead in these efforts.

Table 16-4 shows specific financial and budgetary tools available to Solvang such as community development block grants; capital improvements project funding; authority to levy taxes for specific purposes; fees for water and Wastewater services; impact fees for developers for new development; ability to incur debt through general obligations bonds; and withholding spending in hazard-prone areas.

**Table 16-4
Solvang’s Fiscal Capability**

Financial Resources	Accessible or Eligible to Use (Yes/No)
• Community Development Block Grants (CDBG)	Y
• Capital improvements project funding	Y
• Authority to levy taxes for specific purposes	Y – Vote required
• Fees for water and Wastewater service	Y
• Impact fees for developers for new developments/homes	Y
• Incur debt through general obligation bonds	Y
• Incur debt through special tax and revenue bonds	Y – Vote required
• Incur debt through private activity bonds	N
• Withhold spending in hazard-prone areas	N
• Other – SANDAG Grant	N
• Other – Other Grants	N

16.3.5 Relevant Plans, Policies, and Ordinances

16.3.5.1 City of Solvang General Plan

Land Use Element

The majority of land within the City boundaries has been developed, with a bulk of the land zoned for residential use. Solvang is separated from neighboring communities by a greenbelt of agricultural and open space areas. The Santa Ynez River, Alamo Pintado Creek, Alisal Creek, and Adobe Creek are sources of flooding concern for the City of Solvang. The land surrounding these water bodies will be held as riparian and publicly owned open space. The City provides water and wastewater services and also designs and manages roadway and pedestrian facilities to minimize conflicts between automobiles, pedestrians, and bicyclists. To ensure that the demand for public facilities and services does not exceed the City’s ability to provide these facilities and services, the City periodically reviews projected municipal service and public facility demands. Before approving new development, Solvang determines that public services and resources are available to serve the new development. Public safety services are provided through a contract with the County of Santa Barbara’s Fire and Sheriff’s departments.

Housing Element

Conserving and improving existing housing and residential neighborhoods in Solvang is regarded as an important goal. Thirty percent of the City's housing stock is 30 years or older. The City will support and encourage neighborhood preservation and upgrading through provisions for housing repair assistance, a residential rehabilitation assistance program, and code enforcement. Code enforcement is a means to ensure that the character and quality of neighborhoods is enhanced and maintained. Code enforcement efforts in Solvang will focus on bringing substandard units into compliance with current building and development codes. The City will also contract with the California Code Check for the enforcement of building codes. The development review process is another important tool in ensuring that new housing meets safety codes and is supplied with all necessary utilities and infrastructure before a development permit is issued.

Physical constraints affect potential land development in Solvang. Development along the Santa Ynez River, Alamo Pintado Creek, and Adobe Creek is constrained due to flood hazard and biological resource considerations. Similarly, steep slopes and other areas of potential geologic hazards limit the extent of development in hillside areas within and around the City.

Safety Element

The Safety Element identifies existing conditions and issues involving potential hazards and public safety considerations relevant to Solvang. It sets forth goals, objectives, and policies to provide for public health, safety, and welfare. The key issues that affect Solvang are hazards associated with seismicity, slope stability, flooding, structural fires, and wildfires. By identifying the nature and location of potential hazards, Solvang has been able to adopt a land use plan that reflects such hazards and has been able to establish appropriate programs to prevent or minimize death, injuries, damage to property, and economic and social dislocation resulting from public safety hazards.

Seismic/Geologic Hazards

The suitability of land for development is influenced strongly by the presence of certain geologic and seismic hazards. These hazards range from the direct and indirect effects associated with earthquakes to problems associated with slope stability and soil conditions that are not conducive to development. To ensure that geologic hazards in areas for human use or habitation are mitigated properly or avoided prior to development, the City will require geotechnical investigations by an engineering geologist and civil engineer for all grading and construction proposed within any area of potential slope instability and/or areas subject to severe seismic hazards. All construction will be required to be in conformance with the Uniform Building Code, specifically Chapter 23 as it provides for earthquake-resistant design, Chapter 70 as it provides for excavation and grading, and with the City's adopted hillside development ordinance.

Flooding

Areas potentially subject to inundation by 100-year floods should be limited to land uses that do not interfere with the capacity of the drainage course and that minimize hazards posed to people and property. Thus, agricultural and recreation/open space land uses are considered the most appropriate land uses for the 100 year flood zone. The only area in Solvang where development has occurred within a 100-year flood zone is along Alamo Pintado Creek near State Route 246, and portions of the Alisal Golf Course. No new urban development should be permitted within any 100-year flood zone unless it can be demonstrated that building pads will be located above the 100-year flood level and/or floodproofing measures are incorporated into project design. Information prepared by a civil or

hydrological engineer that certifies compliance with development standards must be submitted to the City prior to construction. To minimize the adverse effects of urbanization on drainage and flood control facilities, the City will require the implementation of adequate erosion control measures for development projects. Solvang will maintain its open space preserves and require developers to provide adequate open space to minimize impermeable surfaces throughout the city which can promote flooding. Urban land uses may be permitted within the 500-year floodplain with the understanding that some degree of risk is assumed for potential damage resulting from infrequent and typically shallow flooding. The only area in Solvang where development has occurred within a 500-year flood zone is the eastern portion of the Creekside neighborhood along Alamo Pintado Creek.

Fire

The Solvang Municipal Code includes adoption of the Uniform Fire Code which contains specific development regulations for areas of high and severe fire hazard. Site plans for any development proposed in high hazard areas are subject to the review of the Solvang Emergency Services Coordinator and Fire Marshal during the City's site plan review process. Such plans must show that the site provides adequate emergency access, has adequate water supply and pressure to meet fire flow needs, and provides an adequate fuel break or buffer zone to prevent the spread of structural fires to wild land areas. Further, strict enforcement of building codes will minimize potential fire hazards resulting from inappropriate building materials or structural design. The City will enforce an ordinance that establishes criteria for land development in hillside areas with an emphasis on fire-retardant construction materials, access for fire-fighting personnel and equipment, and removal of combustible vegetation. Fire prevention and control measures include the removal or reduction of vegetation that constitutes fuel for fires in or near developed areas, controlled burning, and the development of a network of firebreaks that reduce the potential spread of wildfires.

Maintaining adequate emergency response capabilities is also necessary to ensure that fires are controlled. The Solvang Fire Department should be provided with sufficient financial resources to maintain its facilities, equipment, and personnel at level appropriate to the needs identified by the City's Emergency Services Coordinator. City and County roads to access high fire hazard areas should remain unobstructed and in adequate condition so that emergency vehicles will continue to have access to these areas.

Hazardous Materials and Aircraft Hazards

Aside from natural hazards, the Safety Element identifies hazardous material incidents and aircraft hazards as man-made hazards. Aircraft hazards do not seem to pose a serious threat to the City due to the fact that Solvang is located outside the Santa Ynez Valley Airport's area of influence. Therefore, no special planning measures are documented in the General Plan to manage potential aircraft hazards. Goals, policies, and mitigation measures to reduce the negative effects of hazardous material incidents are described in detail in the Safety Element.

Public Safety

The City of Solvang contracts with the Santa Barbara County Sheriff's Department for law enforcement services. The Sheriff's department responds to growth by assigning additional deputies to an area in direct proportion to its increase in population. To provide an adequate level of police protection throughout the City, a minimum of one full-time police officer per every 1,500 residents is required.

Disaster Preparedness

Disaster preparedness involves the development of response procedures, identification of evacuation routes, design and installation of warning systems, purchase of emergency equipment, and training of emergency personnel. Mitigation programs are akin to preparedness actions in that they are measures to reduce or eliminate the adverse effects of future hazard events. The principal forms of mitigation are: land use controls to prevent or limit the location of development and populations in areas that are susceptible to hazard events, enforcement of building codes, and the installation of structural barriers, such as dams and levees, to shield people and development from harm. The City of Solvang's Director of Emergency Services is responsible for overseeing the City's disaster preparedness program. Key aspects of Solvang's local emergency management program involve disaster evacuation and the operation of emergency shelters.

16.3.5.2 City of Solvang Emergency Operations Plan

The Emergency Operations Plan for the City of Solvang is designed to address how emergency personnel are to respond to an extraordinary natural or human caused hazard. The plan does not address how to handle or respond in day to day emergencies.

- Establishes the emergency management organization required to respond to and mitigate any significant emergency or disaster affecting the City;
- Identifies the policies, responsibilities and procedures required to protect the health and safety of the city community, public and private property, and the environmental effects of natural and technological emergencies and disasters; and
- Establishes the operational concepts and procedures associated with field response to emergencies, the City's Emergency Operations Center (EOC) activities, and the recovery process.

This Plan establishes the framework for implementation of the California Standardized Emergency Management System (SEMS) and the National Incident Management System (NIMS) in the City of Solvang. The Plan is intended to facilitate multi-agency and multijurisdictional coordination in emergency operations, particularly between the City of Solvang, Special Districts, and the Santa Barbara County Operational Area.

The City of Solvang is primarily responsible for emergency actions and will commit all available resources to save lives, minimize injury to persons and minimize damage to property. Resources will also be made available to cities, unincorporated area, local agencies and citizens to cope with disasters affecting this area.

There are three emergency management goals set forth in the Emergency Operations Plan which include:

- Provide effective life safety measures, reduce property loss, and protect the environment.
- Provide for the rapid resumption of impacted businesses and community services.
- Provide accurate documentation and records required for cost recovery efforts.

16.3.5.3 City of Solvang Bicycle Transportation Plan

The City of Solvang is a gathering spot for many bicycle races, rides, and clubs. Bicycles are used more often for recreational riding than for commuting. The plan will allow for an increase in commuting and recreational cyclists in the City. The bikeway system should provide access to major recreational facilities, some within the region are:

- Hans Christian Andersen Park
- Elks Field
- Solvang Park
- Sunny Fields Park
- Veterans' Memorial Building
- Elverhoj Museum
- Mission Santa Ines

16.3.5.4 Repetitive Loss Properties

Repetitive loss properties are defined as property that is insured under the NFIP that has filed two or more claims in excess of \$1,000 each within any consecutive 10-year period since 1978. The City has no identified repetitive loss properties.

16.3.5.5 Floodplain Management Ordinance

The City participates in the National Flood Insurance Program (NFIP) and maintains floodplain management Ordinance No. 93-140. The City contracts with the County for a Joint Exercise of Powers Agreement for flood control. When a project is proposed within the City of Solvang and lies within a FEMA defined Special Flood Hazard Area (SFHA), the project review is contracted out to the Santa Barbara County Flood Control District and recommendations are given back to the City of Solvang.

When reviewing projects for new construction within a SFHA, the County Flood Control District will establish the Base Flood Elevation (BFE) and recommend that the lowest finished floor of the building be elevated to two feet above the BFE for a habitable structure. For those structures that are not habitable, (i.e. storage, detached garage, etc.) Flood Control recommends that those structures be flood proofed according to FEMA standards. The County Flood Control District reviews plans according to the Santa Barbara County Code Chapter 15A "Floodplain Management".

16.4 HAZARD ASSESSMENT

The City of Solvang's Local Planning Team reviewed the hazard ranking worksheet developed by the County MAC. The Local Planning Team decided the City rankings were the same as the County's rankings. Table 16-5 provides the hazard ranking for the City of Solvang while Table 16-6 provides the ranking worksheet for how the Local Planning Team calculated each specific hazard as impacting the City (which for the City of Solvang is the same as the County's ranking worksheet).

**Table 16-5
City of Solvang - Hazard Ranking and Planning Consideration 2011**

Hazard Type and Ranking	Planning Consideration Based on Hazard Level
Flooding (including coastal surge)	Significant
Wildfire	Significant
Agriculture (pests and disease)	Significant
Earthquake	Significant
Landslide/Coastal Erosion	Moderate
Dam Failure	Limited
Tsunami	Limited

Table 16-6

HAZARD RANKING WORKSHEET - City of Solvang

Hazard Type	Probability	Impact			Total Score	Hazard Planning Consideration
		Affected Area	Primary Impact	Secondary Impacts		
Importance Factor:	2	0.8	0.7	0.5		
DAM FAILURE	4	1.6	2.8	1.5	24	Limited
EARTHQUAKE	6	3.2	2.1	1.5	41	Significant
WILDFIRE	8	3.2	2.1	1.5	54	Significant
FLOODING (include coastal surge)	8	3.2	2.1	2	58	Significant
TSUNAMI	4	2.4	2.1	1.5	24	Limited
LANDSLIDE/COASTAL EROSION	8	1.6	1.4	1.5	36	Moderate
AGRICULTURE (pests and disease)	Pending Discussion with the Ag Commissioner					
Orange cells reflect revisions/changes to the City ranking						
City Revisions: The City did not make any changes to the hazard ranking worksheet.						

The probability of each hazard is determined by assigning a level, from 1 to 4, based on the likelihood of occurrence from historical data. This ranking is multiplied by an importance factor of 2. The total impact value includes a summed ranking for affected area, primary impact and secondary impact. Each ranking is multiplied by an importance factor as indicated. The probability score is multiplied by the sum of the three impact scores to determine the total score for the hazard. The hazard planning consideration is determined by the total score as indicated by the Hazard Level scale below.

Probability Importance
Based on estimated likelihood of occurrence from historical data

Level	Probability	Score
1	Unlikely	2
2	Somewhat Likely	4
3	Likely	6
4	Highly Likely	8

Secondary Impacts Importance
Based on estimated secondary impacts to community at large

Level	Impact	Score
1	Negligible - no loss of function, downtime, and/or evacuations	0.5
2	Limited - minimal loss of function, downtime, and/or evacuations	1
3	Moderate - some loss of function, downtime, and/or evacuations	1.5
4	High - major loss of function, downtime, and/or evacuations	2

Affected Area Importance
Based on size of geographical area of community affected by hazard

Level	Affected Area	Score
1	Isolated	0.8
2	Small	1.6
3	Medium	2.4
4	Large	3.2

Total Score = Probability x Impact, where:
 Probability = (Probability Score x Importance)
 Impact = (Affected Area + Primary Impact + Secondary Impacts), where:
 Affected Area = Affected Area Score x Importance
 Primary Impact = Primary Impact Score x Importance
 Secondary Impacts = Secondary Impacts Score x Importance

Primary Impact Importance
Based on percentage of damage to typical facility in community

Level	Impact	Score
1	Negligible - less than 10% damage	0.7
2	Limited - between 10% and 25% damage	1.4
3	Critical - between 25% and 50% damage	2.1
4	Catastrophic - more than 50% damage	2.8

Hazard Level

Total Score	(Range)	Distribution	Hazard Level
0.0	12.0	2	None
12.1	32.0	1	Limited
32.1	39.6	3	Moderate
39.7	64.0	0	Significant

Hazard Level

Total Score (Range)	Hazard Level	Distribution
0.0	12.0	0
12.1	32.0	0
32.1	39.6	0
39.7	64.0	0

16.4.1 Flood and Coastal Storm Surge

The City of Solvang ranked the flooding and coastal storm surge hazard as being a significant risk to the City. For a complete listing of the flood and coastal storm surge profile, please refer to Section 5.3. The City of Solvang does not have additional information regarding city specific risks to flooding and coastal storm surge.

16.4.2 Wildfire

The City of Solvang ranked the wildfire hazard as being a significant risk to the City. For a complete listing of the wildfire profile, please refer to Section 5.4. The City of Solvang does not have additional information regarding city specific risks to wildfire.

16.4.3 Agricultural Pests

The City of Solvang ranked the agricultural pests hazard as being a significant risk to the City. For a complete listing of the agricultural pests profile, please refer to Section 5.5. The City of Solvang does not have additional information regarding city specific risks to agricultural pests.

16.4.4 Earthquake

The City of Solvang ranked the earthquake hazard as being a significant risk to the City. For a complete listing of the earthquake profile, please refer to Section 5.6. The City of Solvang does not have additional information regarding city specific risks to.

16.4.5 Landslide/Coastal Erosion

The City of Solvang ranked the landslide and coastal erosion hazard as being a moderate risk to the City. For a complete listing of the landslide and coastal erosion profile, please refer to Section 5.7. The City of Solvang does not have additional information regarding city specific risks to coastal erosion.

16.4.6 Dam Failure

The City of Solvang ranked the dam failure hazard as being a limited risk to the City. For a complete listing of the dam failure profile, please refer to Section 5.8. The City of Solvang does not have additional information regarding city specific risks to dam failure.

16.4.7 Tsunami

The City of Solvang ranked the tsunami hazard as being a limited risk to the City. For a complete listing of the tsunami profile, please refer to Section 5.9. The City of Solvang does not have additional information regarding city specific risks to tsunami.

16.5 VULNERABILITY ASSESSMENT

The City of Solvang identified 27 critical facilities to be included in the Risk Assessment portion of the plan. These facilities primarily included utilities, government, educational, and healthcare structures. Of the data that was available, it was shown that these buildings are worth approximately \$12 million in structure value and \$1.2 million in contents. However, additional dollar values (structure or content) were missing from half of the facilities supplied for further risk assessment.

The results of these facilities shown to be impacted (AT LEAST moderately) from each hazard are shown in the table below:

Hazard Type	Specific Risk	Count or (Average)	% of Critical Facilities Impacted	Exposure*
Flood				
	FEMA Flood Zone	1	4%	\$0
	Flood Overlay Zone	1	4%	\$0
Fire				
	Fire Severity Zone	1	4%	\$0
	WUI	27	100%	\$13,350,834
	Fire Threat	12	44%	\$1,284,171
Dam Inundation		13	48%	\$5,265,614
Tsunami Inundation		0	0%	\$0
Landslide Incidence		27	100%	\$13,350,834
Earthquake				
	Groundwater/Liquefaction Severity	18	67%	\$7,140,297
	Peak Ground Acceleration	(1.90)	N/A	N/A

*- Exposure is based on a combination of building structure value and contents value. In all cases some of the impacted structures had incomplete values for structure, contents, or both.

It is worth noting that ALL the Solvang critical facilities evaluated were at least moderately impacted by the following threats:

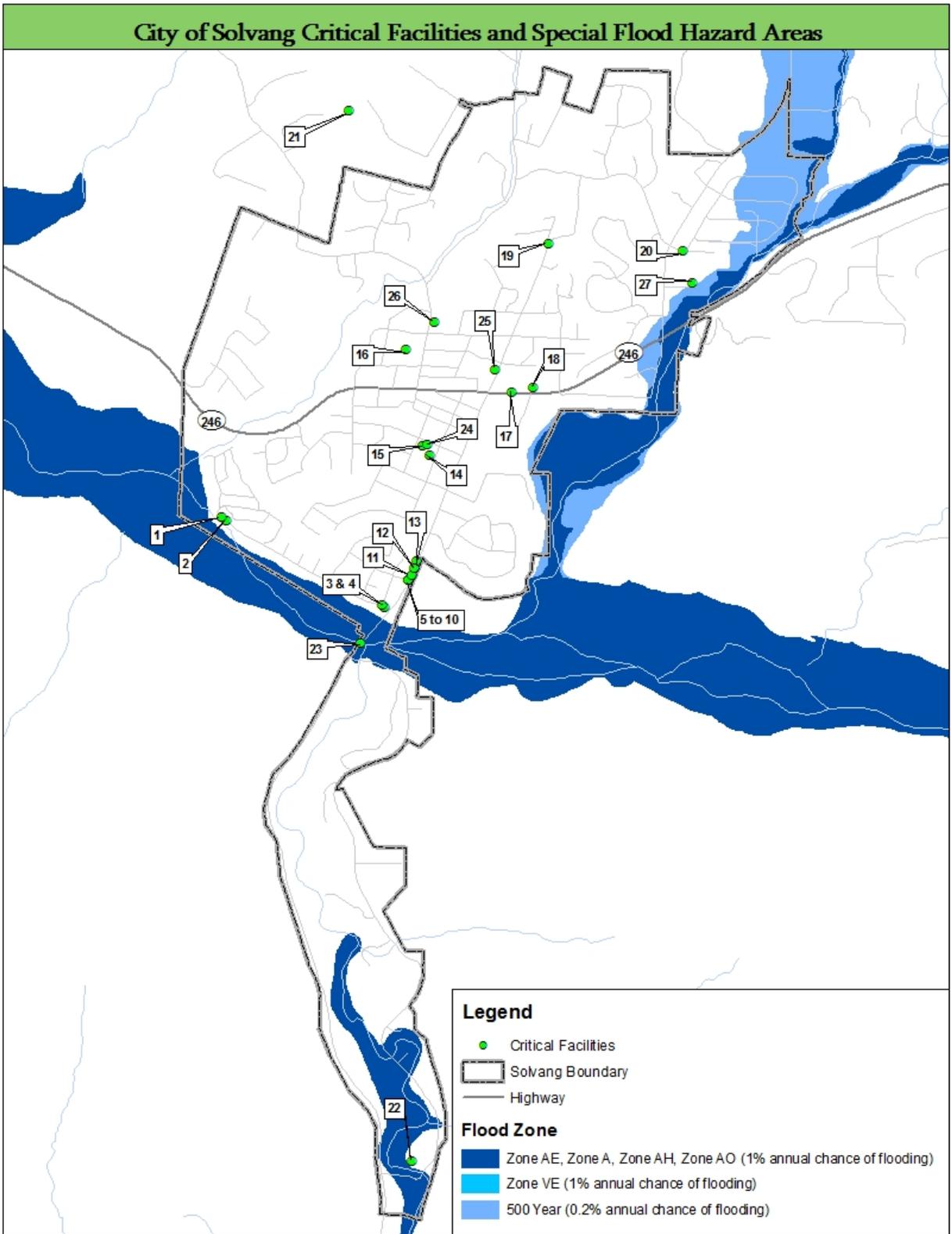
- Wildland Urban Interface
- Landslide Incidence

As the City continues to assess its vulnerability the collection of better data will help to improve the risk assessment process in order to direct planning and mitigation decisions.

16.5.1 Critical Facilities and Flood Vulnerability

The table below presents the 27 identified critical facilities and their exposure to flood risk. The Map ID number for each critical facility corresponds to those found on the following maps showing the location of the critical facilities in relation to the County's profiled hazards. Using a GIS and the data shown in these maps, it was determined which critical facilities are exposed to which hazards by whether or not they fall within the mapped hazard area.

Map ID	Critical Facility	Bldg Value	Contents Value	Flood Hazard	
				FEMA Flood Zone	Flood Overlay Zone
1	Force Main			Outside Floodplain	Outside Flood Overlay Zone
2	Fjord Lift Station	\$321,375		Outside Floodplain	Outside Flood Overlay Zone
3	Well 3			Within	Within
4	Water Switch Gear Bldg.	\$2,515	42,798	Outside Floodplain	Outside Flood Overlay Zone
5	WasteWater Treatment Plant/Op	\$406,240	276,422	Outside Floodplain	Outside Flood Overlay Zone
6	WasteWater Awnings/Belt Press	\$8,377	359,499	Outside Floodplain	Outside Flood Overlay Zone
7	WWTP /tanks/pumps/blowers	\$3,145,693		Outside Floodplain	Outside Flood Overlay Zone
8	WWTP/Digester/equipment	\$237,641		Outside Floodplain	Outside Flood Overlay Zone
9	WWTP/Bultler Bldg.	\$79,215		Outside Floodplain	Outside Flood Overlay Zone
10	WWTP/Pump/Gen. Bldg.	\$167,579	85,596	Outside Floodplain	Outside Flood Overlay Zone
11	Alisal Lift Station	\$132,664		Outside Floodplain	Outside Flood Overlay Zone
12	Well 7A			Within	Within
13	State Pump			Outside Floodplain	Outside Flood Overlay Zone
14	Well 4			Outside Floodplain	Outside Flood Overlay Zone
15	Municipal Center/City Hall	\$2,633,060	187,241	Outside Floodplain	Outside Flood Overlay Zone
16	Solvang School/upper&lower			Outside Floodplain	Outside Flood Overlay Zone
17	Veteran's Memorial Bldg.	\$2,310,572	105,349	Outside Floodplain	Outside Flood Overlay Zone
18	Santa Barbara Co Sheriffs Dept.			Outside Floodplain	Outside Flood Overlay Zone
19	Alisal Heights Reservoir	\$1,339,060		Outside Floodplain	Outside Flood Overlay Zone
20	Santa Ynez Cottage Hospital			Outside Floodplain	Outside Flood Overlay Zone
21	Chalk Hill Reservoir	\$736,483		Outside Floodplain	Outside Flood Overlay Zone
22	Alisal Ranch Reservoir	\$535,623		Outside Floodplain	Outside Flood Overlay Zone
23	Alisal Bridge			100 Year	Within Flood Overlay Zone
24	County Fire Station 30		225,767	Outside Floodplain	Outside Flood Overlay Zone
25	PHD Comm Hlth Clinic & PHP		12,065	Outside Floodplain	Outside Flood Overlay Zone
26	Santa Ynez Valley Recovery Atterdag Village			Outside Floodplain	Outside Flood Overlay Zone
27	Sansum Clinic			Outside Floodplain	Outside Flood Overlay Zone



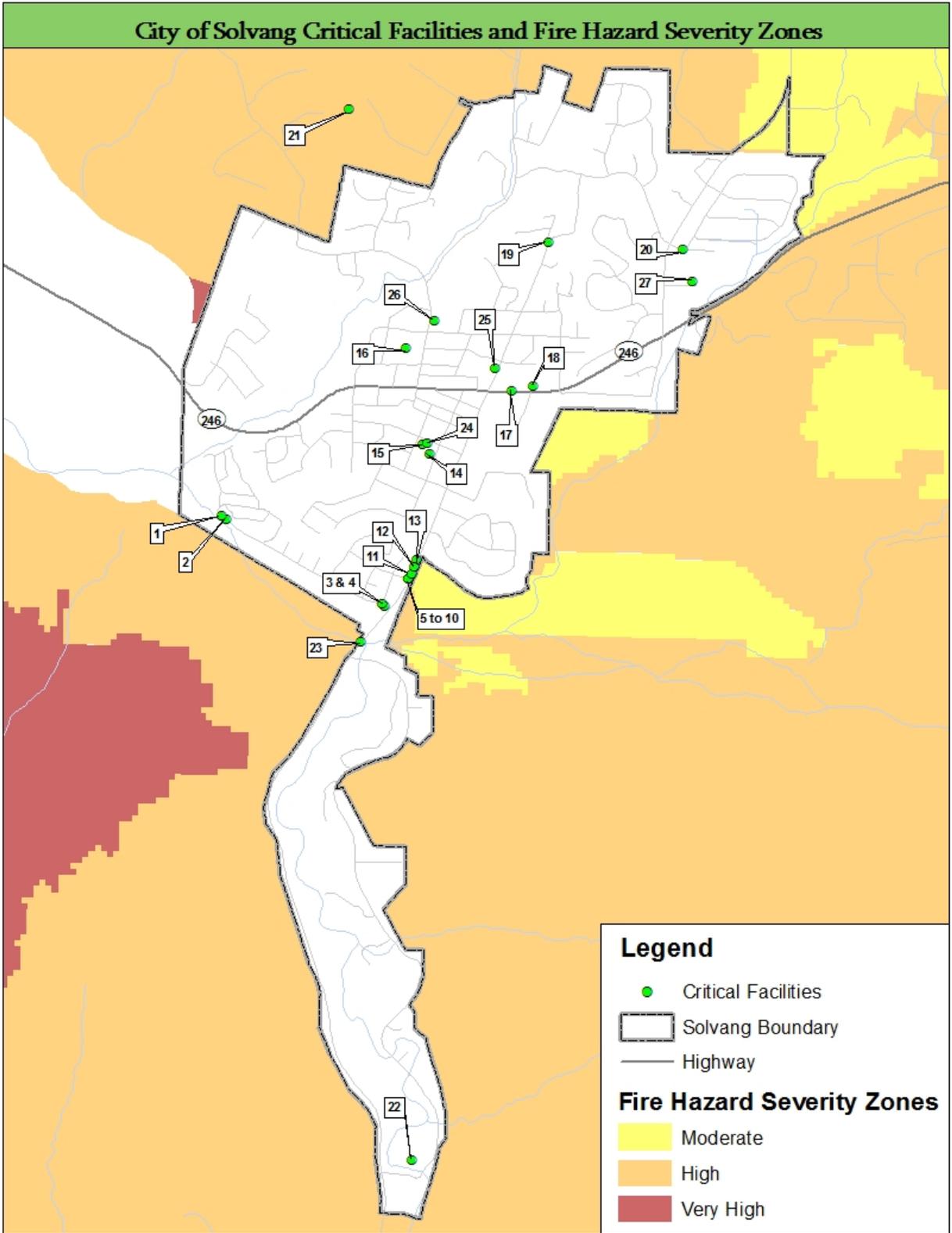
Source: Flood Insurance Rate Map (FIRM) Boundaries, Santa Barbara County GIS available at <http://www.countyofsb.org/itd/gis/default.aspx?id=2802>, September 15, 2009, prepared by FEMA.



Source: Overlay – Flood Hazard, Santa Barbara County GIS, available at <http://www.countyofsb.org/itd/gis/default.aspx?id=2802>, November 23, 2010

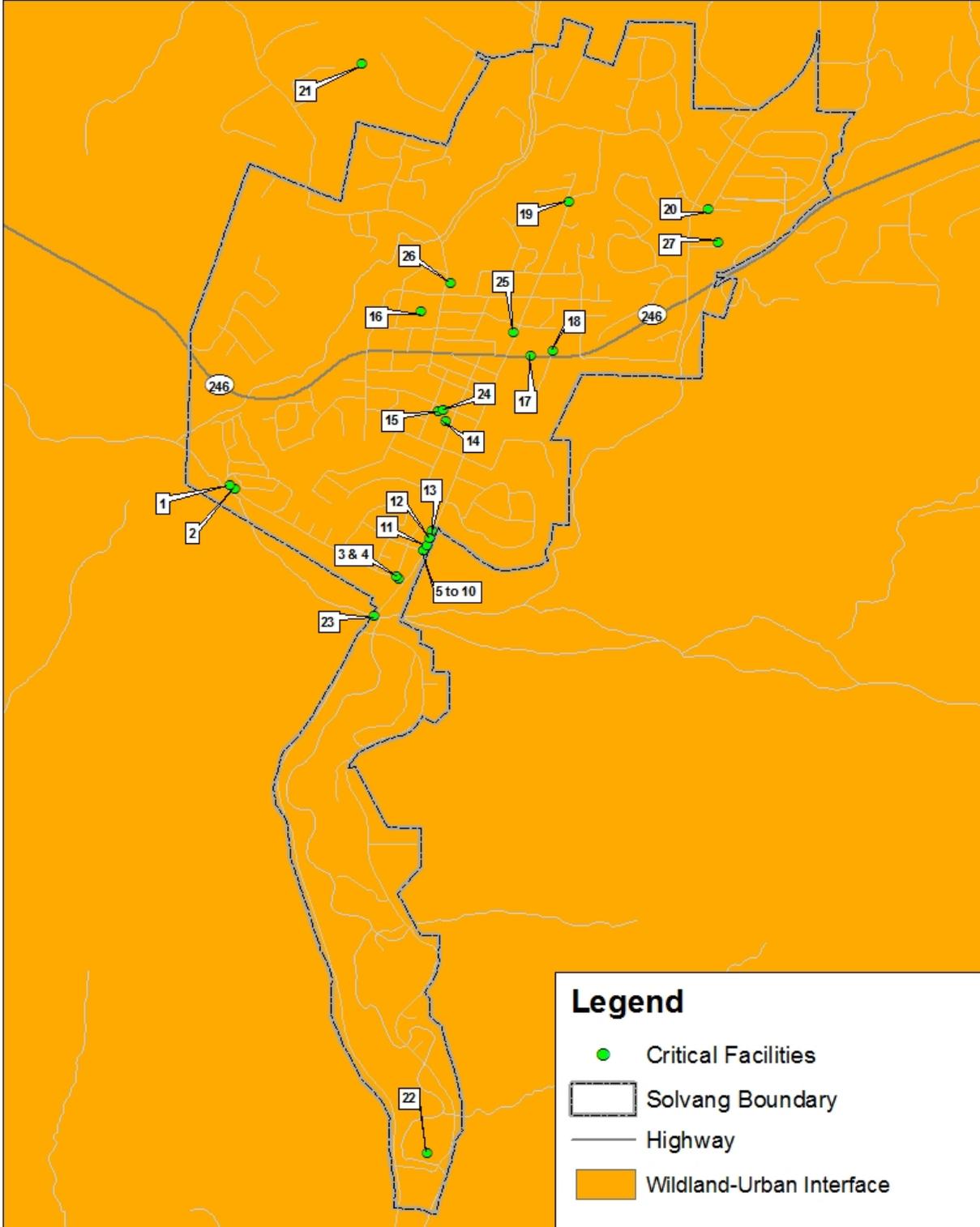
16.5.2 Wildfire Vulnerability

Map ID	Critical Facility	Bldg Value	Contents Value	Fire Severity Zone	WUI Zone	Fire Threat
1	Force Main			Outside Fire Severity Zone	Within WUI	Little or No Threat
2	Fjord Lift Station	\$321,375		Outside Fire Severity Zone	Within WUI	Little or No Threat
3	Well 3			Outside Fire Severity Zone	Within WUI	Moderate
4	Water Switch Gear Bldg.	\$2,515	42,798	Outside Fire Severity Zone	Within WUI	Moderate
5	WasteWater Treatment Plant/Op	\$406,240	276,422	Outside Fire Severity Zone	Within WUI	Moderate
6	WasteWater Awnings/Belt Press	\$8,377	359,499	Outside Fire Severity Zone	Within WUI	Moderate
7	WWTP /tanks/pumps/blowers	\$3,145,693		Outside Fire Severity Zone	Within WUI	Moderate
8	WWTP/Digester/equipment	\$237,641		Outside Fire Severity Zone	Within WUI	Moderate
9	WWTP/Bultler Bldg.	\$79,215		Outside Fire Severity Zone	Within WUI	Moderate
10	WWTP/Pump/Gen. Bldg.	\$167,579	85,596	Outside Fire Severity Zone	Within WUI	Moderate
11	Alisal Lift Station	\$132,664		Outside Fire Severity Zone	Within WUI	Moderate
12	Well 7A			Outside Fire Severity Zone	Within WUI	Moderate
13	State Pump			Outside Fire Severity Zone	Within WUI	Moderate
14	Well 4			Outside Fire Severity Zone	Within WUI	Moderate
15	Municipal Center/City Hall	\$2,633,060	187,241	Outside Fire Severity Zone	Within WUI	Little or No Threat
16	Solvang School/upper&lower			Outside Fire Severity Zone	Within WUI	Little or No Threat
17	Veteran's Memorial Bldg.	\$2,310,572	105,349	Outside Fire Severity Zone	Within WUI	Moderate
18	Santa Barbara Co Sheriffs Dept.			Outside Fire Severity Zone	Within WUI	Little or No Threat
19	Alisal Heights Reservoir	\$1,339,060		Outside Fire Severity Zone	Within WUI	Moderate
20	Santa Ynez Cottage Hospital			Outside Fire Severity Zone	Within WUI	Moderate
21	Chalk Hill Reservoir	\$736,483		High	Within WUI	High
22	Alisal Ranch Reservoir	\$535,623		Outside Fire Severity Zone	Within WUI	Moderate
23	Alisal Bridge			Outside Fire Severity Zone	Within WUI	Little or No Threat
24	County Fire Station 30		225,767	Outside Fire Severity Zone	Within WUI	Little or No Threat
25	PHD Comm Hlth Clinic & PHP		12,065	Outside Fire Severity Zone	Within WUI	Moderate
26	Santa Ynez Valley Recovery Atterdag Village			Outside Fire Severity Zone	Within WUI	Moderate
27	Sansum Clinic			Outside Fire Severity Zone	Within WUI	Moderate

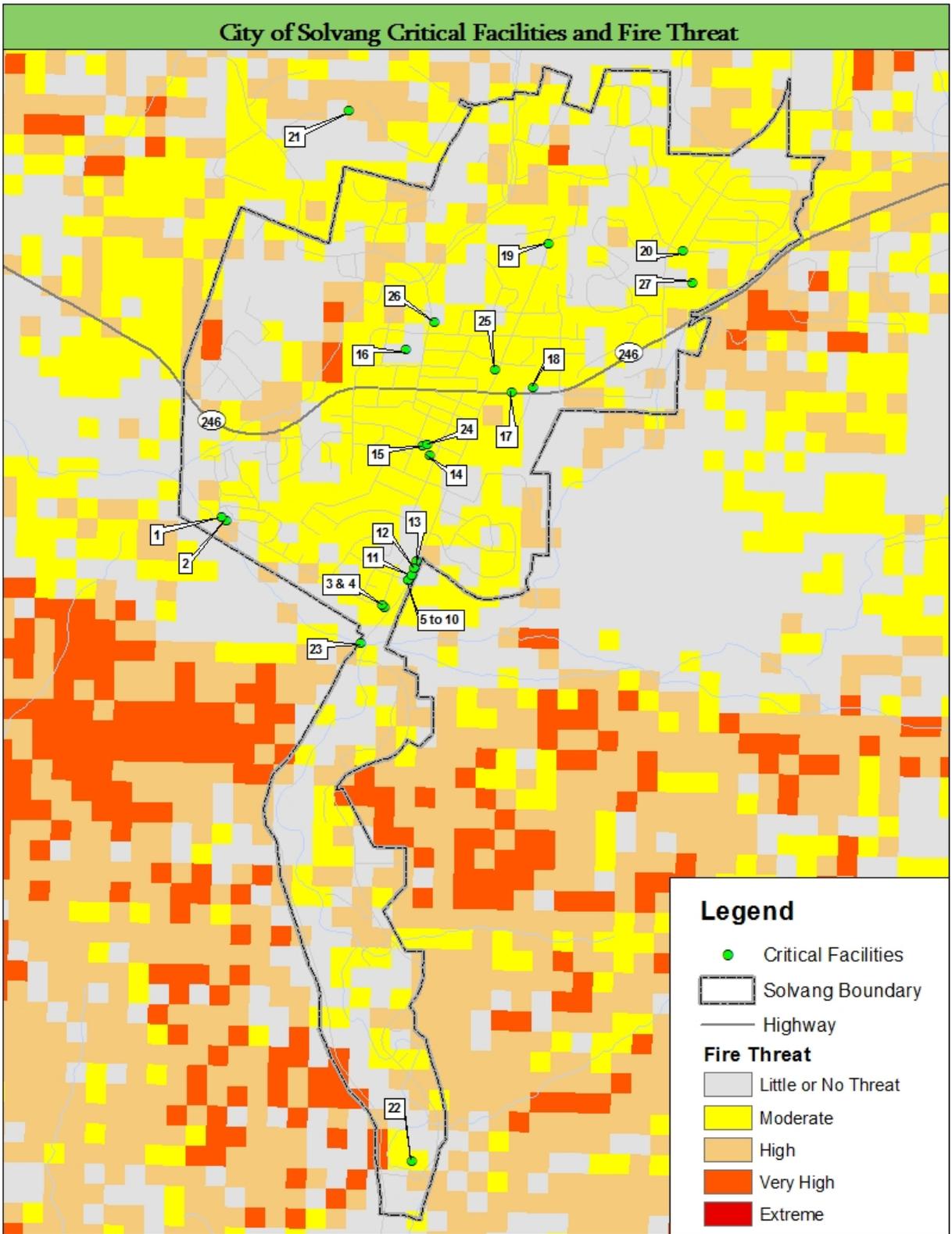


Source: County of Santa Barbara Fire GIS

City of Solvang Critical Facilities and Wildland Urban Interface



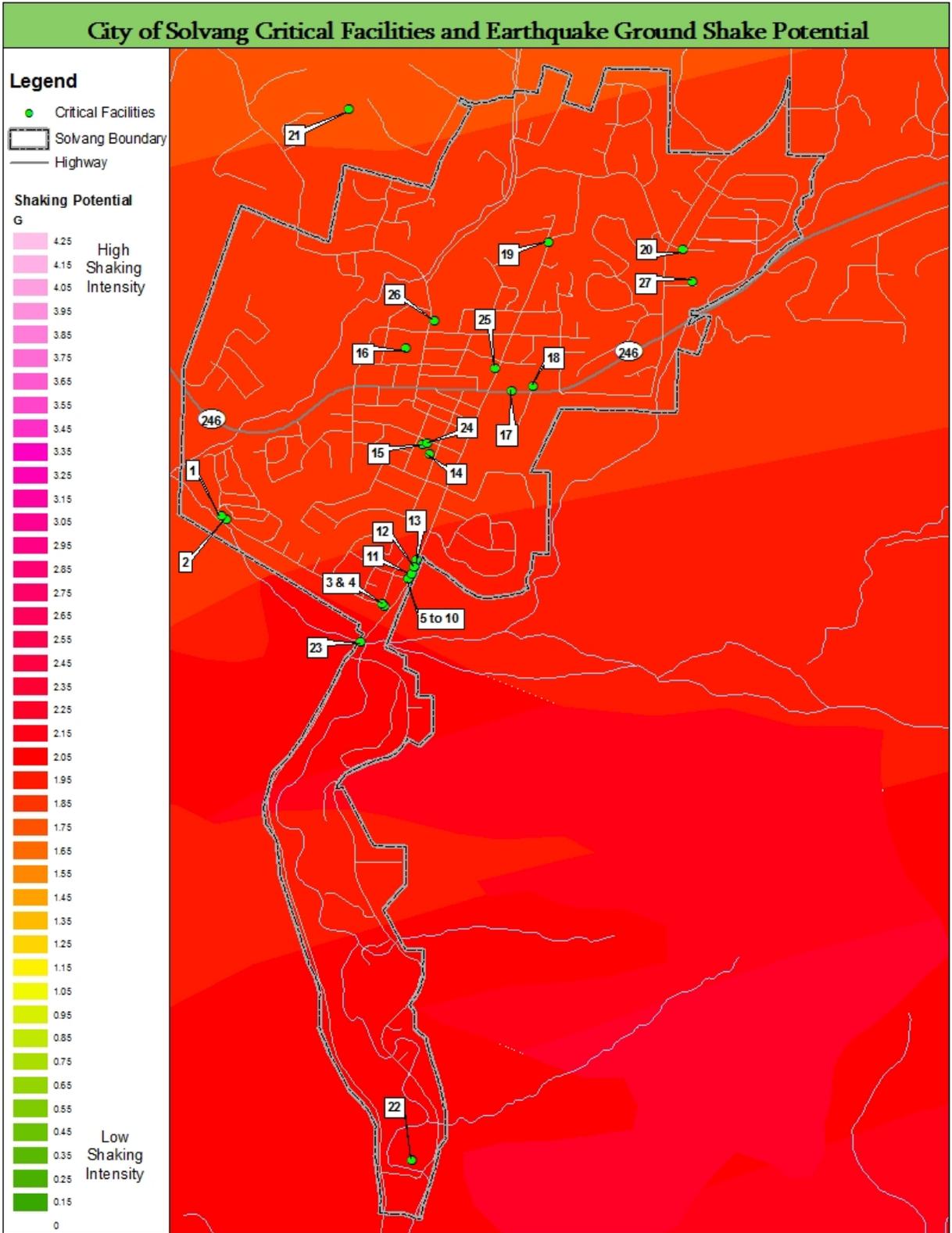
Source: Wildland Urban Interface (WUI) Fire Threat, Fire and Resource Assessment Program (FRAP) available at <http://frap.cdf.ca.gov/data/frapgisdata/select.asp?theme=5>, 2003



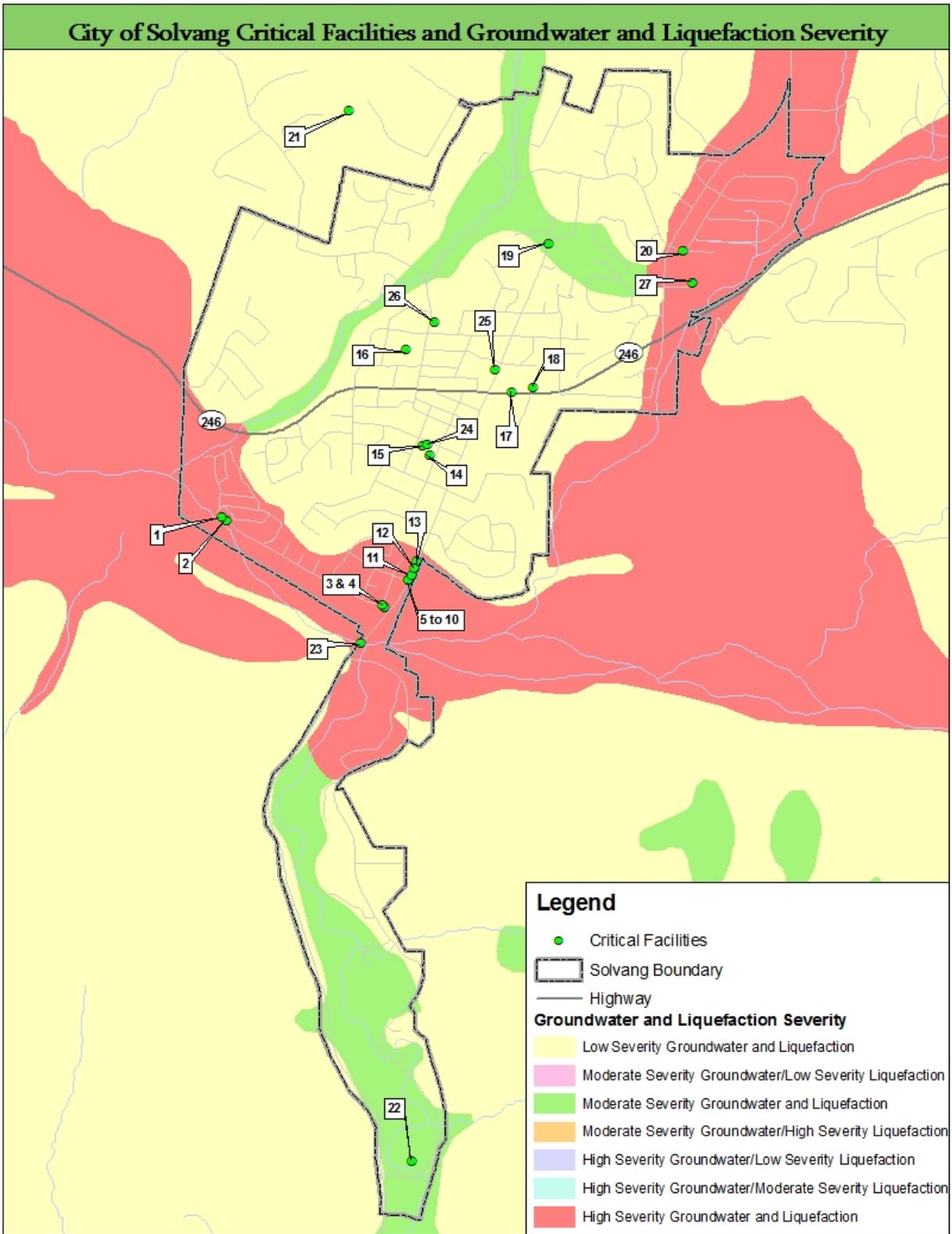
Source: Fire Threat, Fire and Resource Assessment Program (FRAP) available at <http://frap.cdf.ca.gov/data/frapgisdata/select.asp?theme=5>, 2004

16.5.3 Earthquake Vulnerability

Map ID	Critical Facility	Bldg Value	Contents Value	Groundwater/Liquefaction Severity	Peak Ground Acceleration
1	Force Main			High/High	1.85
2	Fjord Lift Station	\$321,375		High/High	1.85
3	Well 3			High/High	1.95
4	Water Switch Gear Bldg.	\$2,515	42,798	High/High	1.95
5	WasteWater Treatment Plant/Op	\$406,240	276,422	High/High	1.95
6	WasteWater Awnings/Belt Press	\$8,377	359,499	High/High	1.95
7	WWTP /tanks/pumps/blowers	\$3,145,693		High/High	1.95
8	WWTP/Digester/equipment	\$237,641		High/High	1.95
9	WWTP/Bultler Bldg.	\$79,215		High/High	1.95
10	WWTP/Pump/Gen. Bldg.	\$167,579	85,596	High/High	1.95
11	Alisal Lift Station	\$132,664		High/High	1.95
12	Well 7A			High/High	1.85
13	State Pump			High/High	1.95
14	Well 4			Low/Low	1.95
15	Municipal Center/City Hall	\$2,633,060	187,241	Low/Low	1.85
16	Solvang School/upper&lower			Low/Low	1.85
17	Veteran's Memorial Bldg.	\$2,310,572	105,349	Low/Low	1.85
18	Santa Barbara Co Sheriffs Dept.			Low/Low	1.85
19	Alisal Heights Reservoir	\$1,339,060		Moderate/Moderate	1.85
20	Santa Ynez Cottage Hospital			High/High	1.85
21	Chalk Hill Reservoir	\$736,483		Low/Low	1.75
22	Alisal Ranch Reservoir	\$535,623		Moderate/Moderate	2.05
23	Alisal Bridge			High/High	2.05
24	County Fire Station 30		225,767	Low/Low	1.85
25	PHD Comm Hlth Clinic & PHP		12,065	Low/Low	1.85
26	Santa Ynez Valley Recovery Atterdag Village			Low/Low	1.85
27	Sansum Clinic			High/High	1.85



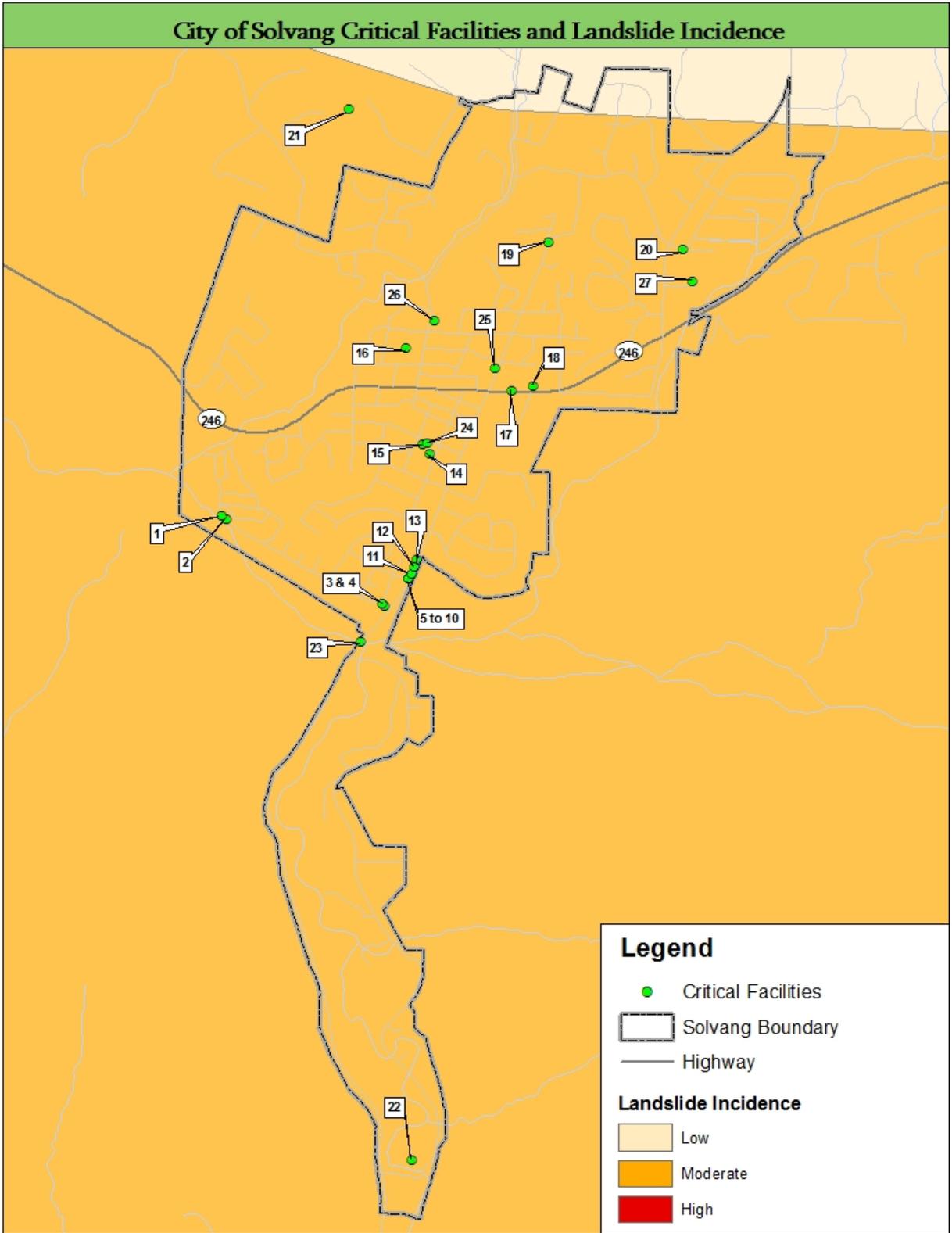
Source: Seismic Shaking Hazard, Obtained from California Geological Survey, for more information: <http://www.conservation.ca.gov/cgs/rghm/psha/Pages/index.aspx>, 2002.



Source: Groundwater Liquefaction, Santa Barbara County GIS, available at <http://www.countyofsb.org/itd/gis/default.aspx?id=2802>, July 15, 2010, originally prepared by Moore and Taber in 1974.

16.5.4 Landslide Vulnerability

Map ID	Critical Facility	Bldg Value	Contents Value	Landslide Incidence
1	Force Main			Moderate
2	Fjord Lift Station	\$321,375		Moderate
3	Well 3			Moderate
4	Water Switch Gear Bldg.	\$2,515	42,798	Low
5	WasteWater Treatment Plant/Op	\$406,240	276,422	Moderate
6	WasteWater Awnings/Belt Press	\$8,377	359,499	Moderate
7	WWTP /tanks/pumps/blowers	\$3,145,693		Moderate
8	WWTP/Digester/equipment	\$237,641		Moderate
9	WWTP/Bultler Bldg.	\$79,215		Moderate
10	WWTP/Pump/Gen. Bldg.	\$167,579	85,596	Moderate
11	Alisal Lift Station	\$132,664		Moderate
12	Well 7A			Moderate
13	State Pump			Low
14	Well 4			Low
15	Municipal Center/City Hall	\$2,633,060	187,241	Low
16	Solvang School/upper&lower			Moderate
17	Veteran's Memorial Bldg.	\$2,310,572	105,349	Low
18	Santa Barbara Co Sheriffs Dept.			Low
19	Alisal Heights Reservoir	\$1,339,060		High
20	Santa Ynez Cottage Hospital			Low
21	Chalk Hill Reservoir	\$736,483		High
22	Alisal Ranch Reservoir	\$535,623		High
23	Alisal Bridge			Moderate
24	County Fire Station 30		225,767	Low
25	PHD Comm Hlth Clinic & PHP		12,065	Moderate
26	Santa Ynez Valley Recovery Atterdag Village			Moderate
27	Sansum Clinic			Low

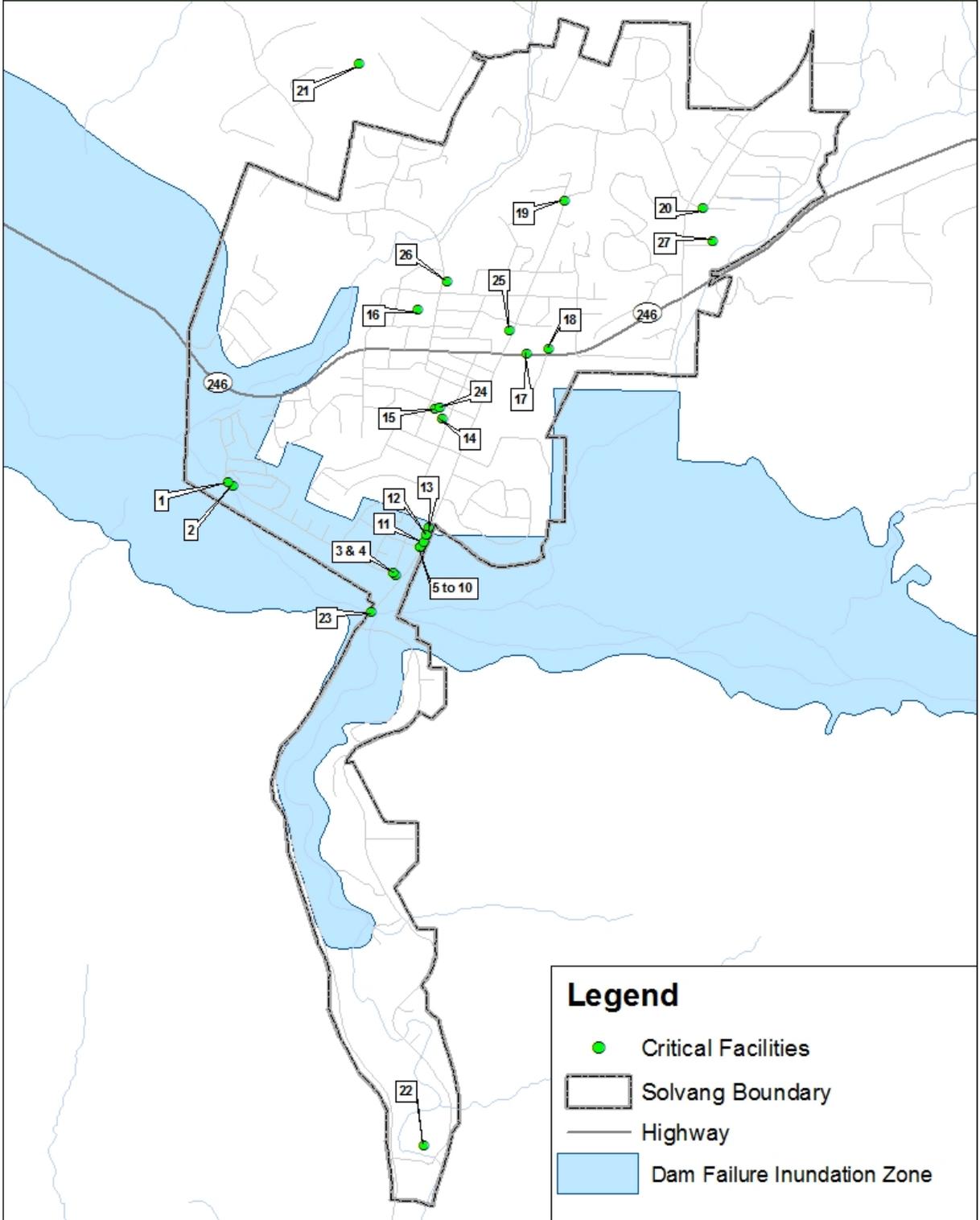


Source: Landslide Incidence and Susceptibility in the Conterminous US, National Atlas available at <http://www.nationalatlas.gov/atlasftp.html#lsoverp>, September 2002, Prepared by USGS

16.5.5 Dam Failure Vulnerability

Map ID	Critical Facility	Bldg Value	Contents Value	Dam Inundation Zone
1	Force Main			Bradbury Inundation Zone
2	Fjord Lift Station	\$321,375		Bradbury Inundation Zone
3	Well 3			Bradbury Inundation Zone
4	Water Switch Gear Bldg.	\$2,515	42,798	Bradbury Inundation Zone
5	WasteWater Treatment Plant/Op	\$406,240	276,422	Bradbury Inundation Zone
6	WasteWater Awnings/Belt Press	\$8,377	359,499	Bradbury Inundation Zone
7	WWTP /tanks/pumps/blowers	\$3,145,693		Bradbury Inundation Zone
8	WWTP/Digester/equipment	\$237,641		Bradbury Inundation Zone
9	WWTP/Bultler Bldg.	\$79,215		Bradbury Inundation Zone
10	WWTP/Pump/Gen. Bldg.	\$167,579	85,596	Bradbury Inundation Zone
11	Alisal Lift Station	\$132,664		Bradbury Inundation Zone
12	Well 7A			Bradbury Inundation Zone
13	State Pump			Outside Dam Inundation Zone
14	Well 4			Outside Dam Inundation Zone
15	Municipal Center/City Hall	\$2,633,060	187,241	Outside Dam Inundation Zone
16	Solvang School/upper&lower			Outside Dam Inundation Zone
17	Veteran's Memorial Bldg.	\$2,310,572	105,349	Outside Dam Inundation Zone
18	Santa Barbara Co Sheriffs Dept.			Outside Dam Inundation Zone
19	Alisal Heights Reservoir	\$1,339,060		Outside Dam Inundation Zone
20	Santa Ynez Cottage Hospital			Outside Dam Inundation Zone
21	Chalk Hill Reservoir	\$736,483		Outside Dam Inundation Zone
22	Alisal Ranch Reservoir	\$535,623		Outside Dam Inundation Zone
23	Alisal Bridge			Bradbury Inundation Zone
24	County Fire Station 30		225,767	Outside Dam Inundation Zone
25	PHD Comm Hlth Clinic & PHP		12,065	Outside Dam Inundation Zone
26	Santa Ynez Valley Recovery Atterdag Village			Outside Dam Inundation Zone
27	Sansum Clinic			Outside Dam Inundation Zone

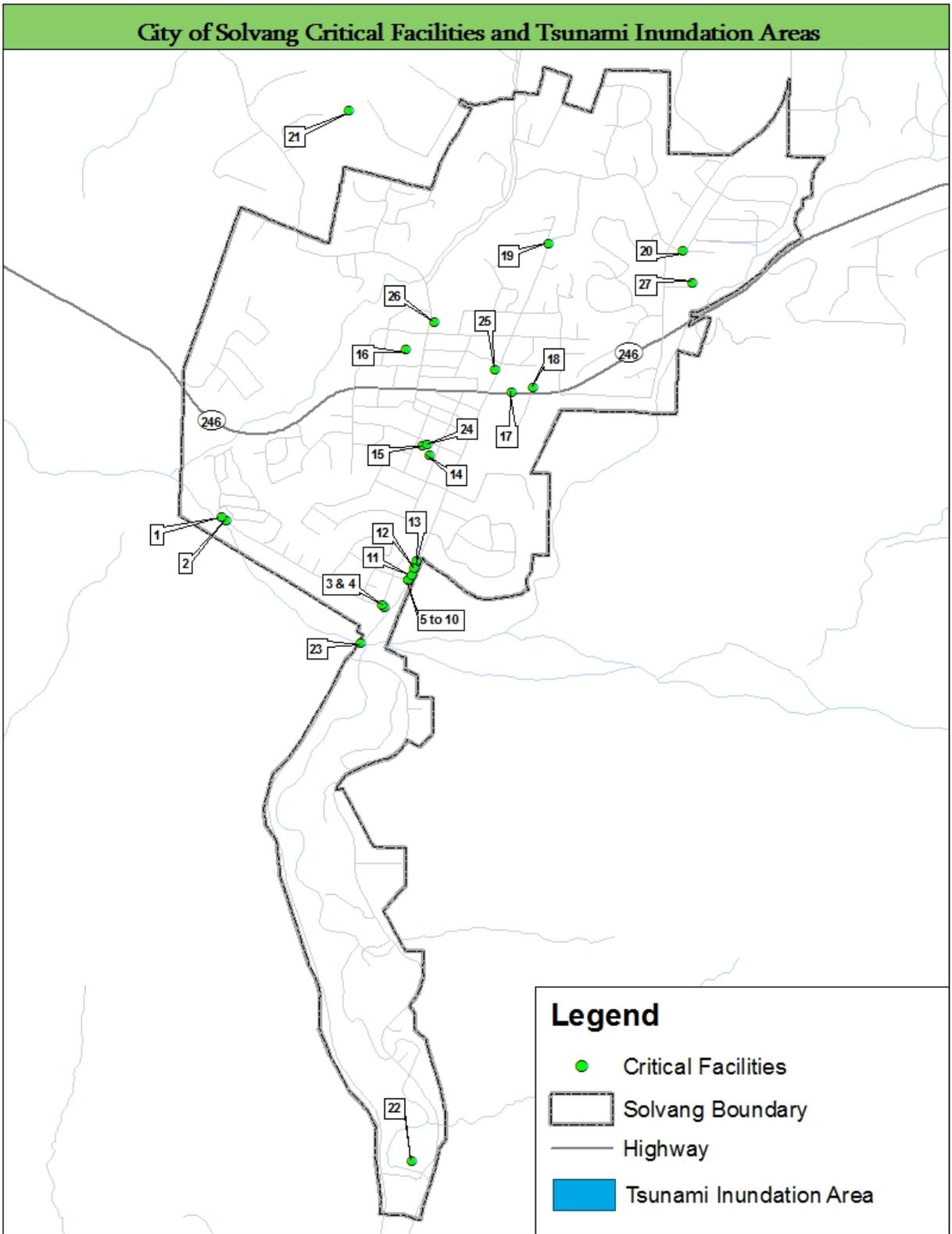
City of Solvang Critical Facilities and Dam Failure Inundation Areas



Source: Santa Barbara County Flood Control and Water Conservation District

16.5.6 Tsunami Vulnerability

Map ID	Critical Facility	Bldg Value	Contents Value	Tsunami Inundation Area
1	Force Main			Outside Tsunami Inundation Area
2	Fjord Lift Station	\$321,375		Outside Tsunami Inundation Area
3	Well 3			Outside Tsunami Inundation Area
4	Water Switch Gear Bldg.	\$2,515	42,798	Outside Tsunami Inundation Area
5	WasteWater Treatment Plant/Op	\$406,240	276,422	Outside Tsunami Inundation Area
6	WasteWater Awnings/Belt Press	\$8,377	359,499	Outside Tsunami Inundation Area
7	WWTP /tanks/pumps/blowers	\$3,145,693		Outside Tsunami Inundation Area
8	WWTP/Digester/equipment	\$237,641		Outside Tsunami Inundation Area
9	WWTP/Bultler Bldg.	\$79,215		Outside Tsunami Inundation Area
10	WWTP/Pump/Gen. Bldg.	\$167,579	85,596	Outside Tsunami Inundation Area
11	Alisal Lift Station	\$132,664		Outside Tsunami Inundation Area
12	Well 7A			Outside Tsunami Inundation Area
13	State Pump			Outside Tsunami Inundation Area
14	Well 4			Outside Tsunami Inundation Area
15	Municipal Center/City Hall	\$2,633,060	187,241	Outside Tsunami Inundation Area
16	Solvang School/upper&lower			Outside Tsunami Inundation Area
17	Veteran's Memorial Bldg.	\$2,310,572	105,349	Outside Tsunami Inundation Area
18	Santa Barbara Co Sheriffs Dept.			Outside Tsunami Inundation Area
19	Alisal Heights Reservoir	\$1,339,060		Outside Tsunami Inundation Area
20	Santa Ynez Cottage Hospital			Outside Tsunami Inundation Area
21	Chalk Hill Reservoir	\$736,483		Outside Tsunami Inundation Area
22	Alisal Ranch Reservoir	\$535,623		Outside Tsunami Inundation Area
23	Alisal Bridge			Outside Tsunami Inundation Area
24	County Fire Station 30		225,767	Outside Tsunami Inundation Area
25	PHD Comm Hlth Clinic & PHP		12,065	Outside Tsunami Inundation Area
26	Santa Ynez Valley Recovery Atterdag Village			Outside Tsunami Inundation Area
27	Sansum Clinic			Outside Tsunami Inundation Area



Source: Tsunami Runup Limits, Santa Barbara County GIS available at http://www.countyofsb.org/itd/gis/default.aspx?id=2802&ekmense=e2f22c9a_486_496_btnlink, September 2009.

16.6 MITIGATION STRATEGY

16.6.1 Mitigation Priorities

The City of Solvang identified several strengths and weaknesses regarding the implementation of hazard mitigation strategies. These are outlined below.

General Observations - Strengths

- The City of Solvang has several policies that deal with hazard mitigation elements such as existing development and building code regulations including the Floodplain Ordinance, and Zoning Ordinance.
- General Plan in place.
- Building Codes that are up-to-date and deal with safer and standardized building standards.
- Bradbury Dam has been mapped for inundation.
- Area fault lines and liquefaction zones have been mapped.
- Flooding and fire areas have been mapped.
- Unreinforced masonry buildings within City limits have been brought up to code.
- The County Fire Department has a vegetative program whereby all lots are inspected in the spring and property owners are required to cut vegetation by July 1 for the unincorporated areas surrounding the City. The City Code Enforcement Program handles weed abatement with the City Limits in the Spring.
- The City in Partnership with the City of Buellton has conducted four classes of Community Emergency Response Team (CERT) Training for citizens throughout the Santa Ynez Valley utilizing a shared grant.

General Observations – Weaknesses

- The City of Solvang is located next to the Santa Ynez River, just downstream from Bradbury Dam and could sustain substantial flooding in the event of a dam failure.
- Solvang is located in Seismic Zone 5 which is the highest potential status for earthquake activity in the State of California.
- Solvang is a tourist town and evacuation could pose a large problem in case of major flooding or earthquake for major egress and accessing the area. County OES is currently working on a Countywide evacuation plan.

Based on the review of the above strengths and weaknesses and the City's participation in the countywide Mitigation Advisory Committee, the City of Solvang accepted the goals and objectives as determined by the County wide Mitigation Advisory Committee. These goals and objectives represent a vision of long-term hazard reduction or enhancement of capabilities.

Goal 1: Promote disaster-resistant future development.
<i>Objective 1.A: Facilitate the development or updating of the Comprehensive Plan, City General Plans and zoning ordinances to limit (or ensure safe) development in hazard areas.</i>
<i>Objective 1.B: Facilitate the adoption of building codes and development regulations that protect existing assets and require disaster resistant design for new development in hazard areas.</i>
<i>Objective 1.C: Facilitate consistent enforcement of the comprehensive plan, zoning ordinances, and building and fire codes</i>
<i>Objective 1.D: Address identified data limitations regarding the lack of information about new development and build-out potential in high hazard areas.</i>
<i>Objective 1.E: Educate the professional community on design and construction techniques that will minimize damage from the identified hazards</i>
Notes: This goal focuses on the programmatic/policy approaches to reducing risk to future new development. Building codes are updated on a regular basis in California. The MAC agreed the objectives for this goal are ongoing to ensure that the best and most recent building and fire codes are adopted in each of the participating jurisdictions. New building and fire codes were adopted in January 2011.
Goal 2: Build and support capacity and commitment for existing assets, including people, critical facilities/infrastructure, and public facilities, to become less vulnerable to hazards.
<i>Objective 2.A: Increase awareness and knowledge of hazard mitigation principles and practice among local government officials.</i>
<i>Objective 2.B: Provide technical assistance to local governments to implement their mitigation plans.</i>
<i>Objective 2.C: Address data limitations identified in Hazard Profiling and Risk Assessment</i>
<i>Objective 2.D: Decrease the vulnerability of public infrastructure including facilities, roadways, and utilities.</i>
<i>Objective 2.E: Protect existing structures with the highest relative vulnerability to the effects of identified hazards through structural mitigation projects.</i>
Notes: This goal focuses on the programmatic and structural approaches to reducing risk to existing development. The term “local government” is used to refer to city, county, and special districts.

Goal 3: Enhance hazard mitigation coordination and communication.
<i>Objective 3.A: Educate the public to increase awareness of hazards, potential impact, and opportunities for mitigation actions.</i>
<i>Objective 3.B: Monitor and publicize the effectiveness of mitigation actions implemented countywide.</i>
<i>Objective 3.C: Participate in initiatives that have mutual hazard mitigation benefits for the County, cities, state, tribal, and federal governments.</i>
<i>Objective 3.D: Encourage other organizations, within the public, private, and non-profit sectors, to incorporate hazard mitigation activities into their existing programs and plans.</i>
<i>Objective 3.E: Continue partnerships between the state, local, and tribal governments to identify, prioritize, and implement mitigation actions.</i>
<i>Objective 3.F: Continuously improve the County's capability and efficiency at administering pre- and post-disaster mitigation programs, including providing technical support to cities and special districts.</i>
<i>Objective 3.G: Support a coordinated permitting activities process and consistent enforcement.</i>
Note: This goal focuses on communication and coordination required for successful mitigation of risk.

16.6.2 Mitigation Progress

The City's Local Planning Team reviewed the mitigation actions listed in the 2004 plan to determine the status of each action. This following table includes only the actions that have been completed or were underway as of June 2011.

Ultimately, all of these projects will be completed and are no longer necessary for consideration by the LPT regarding implementation approaches. Mitigation actions identified for future implementation are presented in the following section.

Table 16-7 Completed and In-Progress Mitigation Actions				
2004 Plan Action #	Mitigation Action Description	Status	Completion Date	Comments
GEN 2	Department Head Emergency Training	Completed	2010	
FLD 1	Double culvert drainage/Fredensborg Canyon Rd.	Completed	2004	
FLD 2	Drainage Copenhagen Rehabilitation	Completed	2009	
FLD 3	Force Main Removal and Replacement	Completed	2009	
GEN 1	Community CERT training and education	Completed	2010	

16.6.3 Mitigation Approach

The City of Solvang set the Mitigation Action priorities as a Team. The prioritization score shows the order of priority from 1 to 3 with 1 being the highest priority project. The City ranked action number 2011-2 Drainage / Pine Street as the top priority project.

The following table presents mitigation actions identified in the 2004 plan that were deferred and those that have been added to this plan by the City in September 2011. The projects that were deferred were given new action numbers in the format of 2011 - # to allow all the current actions to be numbered. The priority given to the project is identified in the right hand column "Prioritization". As actions are added in future updates they will be numbered in similar format to allow for tracking the year each action was added to the list (e.g. 2012 - #). The actions below and their status will be tracked and updated as appropriate by the City.

Table 16-8 Mitigation Actions for Future Implementation					
2011 Plan Action #	Mitigation Action Description	Status	Completion Date	Comments	Prioritization
2011 -1	Slope stabilization Wastewater Treatment Plant	Deferred FLD-4 from 2004	2013	RFP September 2011	2
2011 -2	Drainage / Pine Street	New	2011/2012		1
2011 -3	Drainage / Oak Street	New	2013		3

16.6.4 Implementation Plan

Mitigation Action # 2011 – 1		Deferred FLD-4 from 2004
Project Description: Slope stabilization Wastewater Treatment Plant		
Applicable Hazards		
<p><u>Significant</u></p> <p><input checked="" type="checkbox"/> Flooding (including coastal surge)</p> <p><input type="checkbox"/> Wildfire</p> <p><input type="checkbox"/> Agriculture (pests and disease)</p> <p><input type="checkbox"/> Earthquake</p>	<p><u>Moderate</u></p> <p><input type="checkbox"/> Landslide / Coastal Erosion</p>	<p><u>Limited</u></p> <p><input type="checkbox"/> Dam Failure</p> <p><input type="checkbox"/> Tsunami</p>
Existing and Potential Resources:		
Responsible Department: Public Works		
Target Completion Date: Scheduled for completion in 2011/2012		
Additional Comments / Status Report:		

Mitigation Action # 2011 – 2		
Project Description: Drainage / Pine Street		
Applicable Hazards		
<u>Significant</u> <input checked="" type="checkbox"/> Flooding (including coastal surge) <input type="checkbox"/> Wildfire <input type="checkbox"/> Agriculture (pests and disease) <input type="checkbox"/> Earthquake	<u>Moderate</u> <input type="checkbox"/> Landslide / Coastal Erosion	<u>Limited</u> <input type="checkbox"/> Dam Failure <input type="checkbox"/> Tsunami
Existing and Potential Resources:		
Responsible Department: Public Works		
Target Completion Date: Scheduled for completion in 2013		
Additional Comments / Status Report: This project includes improving surface drainage and constructing new curb and gutter along the west side of Pine Street between Laurel Avenue and Mission Drive.		

Mitigation Action # 2011 – 3		
Project Description: Drainage / Oak Street		
Applicable Hazards		
<u>Significant</u> <input checked="" type="checkbox"/> Flooding (including coastal surge) <input type="checkbox"/> Wildfire <input type="checkbox"/> Agriculture (pests and disease) <input type="checkbox"/> Earthquake	<u>Moderate</u> <input type="checkbox"/> Landslide / Coastal Erosion	<u>Limited</u> <input type="checkbox"/> Dam Failure <input type="checkbox"/> Tsunami
Existing and Potential Resources:		
Responsible Department: Public Works		
Target Completion Date: Scheduled for completion in 2011/2012		
Additional Comments / Status Report: This project includes improvements to the emergency overflow route for the Oak Street storm drain system along Acorn Way.		

16.7 PLAN MAINTENANCE

Since the last Hazard Mitigation Plan written for the County in 2004, there has not been an official monitoring or maintenance program set in place. Even so, the City of Solvang was very successful in implementing many mitigation actions. Numerous mitigation actions set forth in the 2004 plan were in progress or completed by the time of this Update.

The City of Solvang's City Manager Office will be responsible for ensuring that this annex is monitored on an on-going basis. The City will continue to participate in the countywide Mitigation Advisory Committee and attend the annual meeting organized by the County Office of Emergency Management to discuss items to be updated/added in future revisions of this plan.

Major disasters affecting the City of Solvang's community, legal changes, notices from Santa Barbara County (lead agency for the County-wide Plan), and other significant events may trigger revisions to this plan or a convening of the Local Planning Team. The City of Solvang's local planning team, in collaboration with Santa Barbara County, will determine how often and when the plan should be updated. In order to remain eligible for mitigation grant funding from FEMA, the City is committed to revising the plan at a minimum of every five years.

The City's City Manager will contact the county four years after this plan is approved to ensure that the county plans to undertake the plan update process. The jurisdictions within Santa Barbara County should continue to work together on updating this multi-jurisdictional plan.

The public will continue to be involved whenever the plan is updated and as appropriate during the monitoring and evaluation process. Prior to adoption of updates, the City will provide the opportunity for the public to comment on the updates. A public notice will be published prior to the meeting to announce the comment period and meeting logistics. Moreover, the City will engage stakeholders in community emergency planning.

16.7.1 Point of Contact

Comments or suggestions regarding this plan may be submitted at any time to Brad Vidro, City Manager at Bradv@cityofsolvang.com or 805.688.5575.

City of Solvang
1644 Oak Street
Solvang, CA 93463

16.8 CITY OF SOLVANG APPENDIX

16.8.1 Solvang Attachment 1: Outreach Materials

This attachment includes website postings, press releases, and newspaper articles demonstrating the City's efforts to engage public and interested stakeholders in the mitigation planning process.

From: Mary Ellen Rio
Sent: March 29, 2011
To: Dave Bemis; Isaiah Brookshire

1644 Oak Street • Solvang, CA 93463 • PH (805) 688-5575 • FAX (805) 686-2049

FOR IMMEDIATE RELEASE

Contact: Mary Ellen Rio, City Clerk

LOCAL HAZARD MITIGATION PLANNING

The City of Solvang is encouraging residents of the entire Santa Ynez Valley to take part in the Santa Barbara County Hazard Mitigation Plan Public Survey. Your input is very important as you will be asked what you consider the major hazards for our area, what steps you have taken for your own personal safety and how local government can aid in better preparing communities for disaster. The survey takes just a few minutes of your time and is available on the City website cityofsolvang.com or at our offices, 1644 Oak Street. The survey is available in both Spanish and English. Deadline for all responses is April 30, 2011.

- E N D -





Home	City Council	Boards/Commissions	Departments	City Charter	City Code	Forms/Documents	Transit	FAQs	Contacts
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Search Website

- City Calendar**
- [Mother/Son Luau](#)
March 25, 2011 (6:00 PM)
 - [City Council meeting](#)
March 28, 2011 (7:00 PM)
 - [Planning Commission Meeting - Cancelled](#)
April 04, 2011 (7:00 PM)
 - [SYV Hotel Association Meeting - 1450 Mission Dr.](#)
April 07, 2011 (9:00 AM)
 - [City Council meeting](#)
April 11, 2011 (7:00 PM)
- [View full calendar](#)

Special Announcements

Green Business Recognition

Congratulations to the **Solvang Senior Center** and **Solvang Gardens Boutique & Country Inn** for the honor of recognition as Certified Green Businesses. They were recently honored at a luncheon celebration hosted by Green Business Santa Barbara County.

[Water System Master Plan](#)

Preserve America Community

Rejsegilde is a Danish tradition celebrated when the highest rafter is being placed when building a house. A wreath is placed on the beam and the beam is then put in place. Although the Centennial Plaza is not an enclosed structure, we will be honoring this tradition on Thursday, March 31, 2011, at 2 p.m. when the highest beam is installed on the shade structure at Centennial Plaza. Please join the

Free Hazardous Waste/Electronics Drop-off April 3

[Click here](#) for more information

Hazard Mitigation Plan Survey

Please take a few minutes to complete a public survey about hazards facing the City of Solvang. Your input is valuable in compiling the Hazard Mitigation Plan for the area. The following links have the survey available in English and Spanish. English [click here](#) Spanish [click here](#)

Hard copies may be obtained at City Hall. Please mail or return to City Hall. 1644 Oak Street

We appreciate your cooperation in providing input.



Velkommen til Solvang!

**Welcome to Solvang, California
A Preserve America Community**

Solvang (Danish for 'sunny field') is a beautiful little city nestled in the Santa Ynez Valley of California. Founded in 1911 by a small group of Danish teachers, Solvang now is a diverse, modern city, with fine restaurants, lovely shops and outstanding activities to enchant young and old alike. There are Danish festivals, quiet tree lined streets, horse drawn wagons, Hans Christian Andersen Park, windmills, Danish pastries and dozens of quaint shops to explore. Solvang was incorporated as a city on May 1, 1985 and now has a population of approximately 5,245.

The City of Solvang will be celebrating its' Centennial Year in 2011. There will be many exciting events taking place during the year. [The Solvang Conference and Visitors Bureau](#) will be continually updating their events calendar & events will also be taking place at local historic societies and museums like the [Elverhøi Museum](#).

Newsflash

SOLVANG CENTENNIAL LOGO

The City of Solvang will be celebrating its' Centennial in the year 2011. The Solvang Centennial Committee has been busy making plans for a year-long celebration to recognize the authentic heritage and close community ties. An Official Centennial logo for use by organizations, events and businesses interested in promoting this special occasion is now available. Please visit the **[document center](#)** under miscellaneous documents on this website for the Logo usage request form, the agreement and the style guide or contact City Hall, 1644 Oak St., Solvang, Ca. 93463 or request forms by calling 805 688-5575. We hope you take advantage of this marketing tool to highlight your business while providing Centennial support.

Solvang Weather

Solvang, CA

Temp:	57°F
Feels Like:	57°F
Humidity:	59%

Speed: 12 mph

Direct.: 280°

Pressure: 30.03 in **W**

[Show more details](#)

Provided by: [Local Pollen Reports](#), [Airport Conditions](#), [Lawn and Garden Weather](#), [Rush Hour Traffic](#)

Bartshire, Corinne

From: Mary Ellen Rio [MaryEllenR@cityofsolvang.com]
Sent: Monday, April 18, 2011 8:05 AM
To: Bartshire, Corinne
Subject: FW: Hazard Mitigation Plan Survey

Another notice sent.

Mary Ellen Rio, CMC
City of Solvang
1644 Oak Street
Solvang, Ca. 93463
805 688-5575
maryellenr@cityofsolvang.com

Solvang 100 years 2011



From: Mary Ellen Rio
Sent: Monday, April 18, 2011 8:03 AM
To: Solvang; Hans Duus; Joan Jamieson (jkyddawg@hotmail.com); jrnjim@verizon.net; kenpalmersolvang@yahoo.com; Tara Wood; Ed Flynn (feflynn51@gmail.com); jebhick@verizon.net; Joshua Thompson; karenlishansen@msn.com; Melissa DeLeon ; Aaron Petersen; Day Yeager; Heather Lopes; Kathi Hopkins; Barbara Anderson (barbnorm@verizon.net); Deborah Dalo; gigi@santaynezvalley.com; Gretchen Glick; oscar andrade
Subject: Hazard Mitigation Plan Survey

Good Morning,

For those that have not taken the Hazard Mitigation Plan Survey, please take 2 mins. of your time to complete it. You can find it front and center on our website, cityofsolvang.com or you can obtain a hard copy from the front desk in admin. The consultant needs as much feedback as possible. Deadline is April 30th.

*Thank you,
Mary Ellen*

Mary Ellen Rio, CMC
City of Solvang
1644 Oak Street
Solvang, Ca. 93463
805 688-5575
maryellenr@cityofsolvang.com

Solvang 100 years 2011



Bartshire, Corinne

From: Mary Ellen Rio [MaryEllenR@cityofsolvang.com]
Sent: Tuesday, March 29, 2011 2:10 PM
To: Bartshire, Corinne
Subject: FW: Hazard Mitigation Plan Survey 2

Corinne,

This is the email sent to all our employees, Boards and Commissions and City Council.

Mary Ellen

Mary Ellen Rio, Certified Municipal Clerk
City of Solvang
1644 Oak Street
Solvang, Ca. 93463
805 688-5575
maryellenr@cityofsolvang.com



From: Mary Ellen Rio
Sent: Friday, March 25, 2011 1:46 PM
To: Solvang; Hans Duus; Joan Jamieson (jkyddawg@hotmail.com); jrnjim@verizon.net; kenpalmersolvang@yahoo.com; Tara Wood; Ed Flynn (feflynn51@gmail.com); jebhick@verizon.net; Joshua Thompson; karenlishansen@msn.com; Melissa DeLeon ; Aaron Petersen; Day Yeager; Heather Lopes; Kathi Hopkins; Barbara Anderson (barbnorm@verizon.net); Deborah Dalo; gigi@santaynezvalley.com; Gretchen Glick; oscar andrade
Subject: Hazard Mitigation Plan Survey

Happy Friday,

I would like to ask all of you to visit our website cityofsolvang.com to complete the Hazard Mitigation Plan Survey. In conjunction with the County we are updating the area's Mitigation Plan and your input will help in identifying areas of concern. The survey takes maybe 2 minutes of your time, is completed and submitted online.

Thanks for your help. Share this with your friends, relatives and neighbors and let's show a great response from our area.

*Thanks,
Mary Ellen*

Mary Ellen Rio, CMC
City of Solvang
1644 Oak Street
Solvang, Ca. 93463
805 688-5575
maryellenr@cityofsolvang.com

Solvang 100 years 2011

From: Mary Ellen Rio
Sent: September 21, 2011
To: Dave Bemis; Isaiah Brookshire

1644 Oak Street • Solvang, CA 93463 • PH (805) 688-5575 • FAX (805) 686-2049

FOR IMMEDIATE RELEASE

Public Input Sought for City of Solvang Draft Hazard Mitigation Plan

The public is encouraged to review and comment upon the draft document that is the City of Solvang's contribution to the Santa Barbara County Local Hazard Mitigation Plan 2011 Update.

The Plan including the Solvang annex identifies the primary natural and manmade risk hazards, such as earthquakes, and floods and presents measures to increase resiliency throughout the City and Santa Barbara County.

The PDF version of the City's plan may be viewed on our website cityofsolvang.com. The PDF version of the Santa Barbara County Local Hazard Mitigation Plan can be viewed from a link on Solvang's website. For those that lack a computer, the City Library provides free computer access.

Public comments are encouraged. Please direct any questions or comments to the consultant, Corinne Bartshire, at cbartshire@dewberry.com. Comments received prior to Friday, October 14th will be considered for incorporation in the plan prior to its adoption by the City Council. Comments received after that date will be held for consideration in future updates to the plan.

The California Emergency Management Agency and Federal Emergency Management Agency are currently reviewing the City's draft plan to ensure compliance with the Disaster Mitigation Act of 2000, enabling the City to maintain eligibility to receive Federal mitigation grant funding.

Contact: Mary Ellen Rio, City Clerk

- E N D -



Bartshire, Corinne

From: Mary Ellen Rio [MaryEllenR@cityofsolvang.com]
Sent: Wednesday, September 21, 2011 10:59 AM
To: Solvang; Hans Duus; Joan Jamieson (jkyddawg@hotmail.com); jrnjim@verizon.net; kenpalmersolvang@yahoo.com; Tara Wood (solvangwood@gmail.com); Barbara Anderson (barbnorm@verizon.net); Deborah Dalo; gigi@santaynezvalley.com; Gretchen Glick; oscar andrade; Aaron Petersen; Day Yeager; Heather Lopes; Kathi Hopkins; Ed Flynn (feflynn51@gmail.com); jebhick@verizon.net; Joshua Thompson; karenlishansen@msn.com; Melissa DeLeon
Subject: Draft Hazard Mitigation Plan

Good Afternoon,

The City's Draft Hazard Mitigation Plan is available for review on the city website, cityofsolvang.com, it is a part of the County of Santa Barbara's Plan which also can be viewed with a link from our website. Please take some time to review and make any comments or revisions you feel are necessary.

Thanks,

Mary Ellen

Mary Ellen Rio, CMC
City of Solvang
1644 Oak Street
Solvang, Ca. 93463
805 688-5575
maryellenr@cityofsolvang.com

Solvang 100 years 2011



Bartshire, Corinne

From: Mary Ellen Rio [MaryEllenR@cityofsolvang.com]
Sent: Wednesday, September 21, 2011 11:16 AM
To: estotts@santabarbaraca.gov; janhubbel@aol.com; mjandsnickers@aol.com; Julie Glendinning; srat100@verizon.net; Melissa DeLeon; syvhome04@yahoo.com; Gretchen Glick; Karen Hansen; Hans Duus; Heather Lopes (lopesfarm@verizon.net); David and Joan Jamieson
Subject: Solvang Hazard Mitigation Plan Draft

First I would like to thank those of you who took the time to provide input into the draft of the Hazard Mitigation Plan. It is now ready for review on our website cityofsolvang.com - you may also view the plan for the County of Santa Barbara from a link provided on our website.

Our plan is currently under review by Cal EMA and FEMA to ensure compliance with the Disaster Mitigation Act of 2000 allowing the City to maintain eligibility to receive federal mitigation grant funding. This plan identifies primary natural hazards of risk and presents measures to increase resiliency throughout the County of Santa Barbara.

The consultants information is available on the website for any comments or questions. Please take some time to review the draft, previous input has been incorporated in the document.

*Thank you,
Mary Ellen Rio
City Clerk*

*Mary Ellen Rio, CMC
City of Solvang
1644 Oak Street
Solvang, Ca. 93463
805 688-5575
maryellenr@cityofsolvang.com*

Solvang 100 years 2011



Home	Jobs!	City Council	Boards/Commissions	Departments	City Charter	City Code	Forms/Documents	Transit	FAQs	Contacts
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Search Website

Search Website

- City Calendar**
- [City Council meeting](#)
October 24, 2011 (7:00 PM)
 - [Reg meeting cancelled SYV Hotel Association Meeting, new date Nov. 17 4:30 pm](#)
Firestone Walker Brew
November 03, 2011 (9:00 AM)
 - [Planning Commission Meeting](#)
November 07, 2011 (7:00 PM)
 - [BAR Meeting](#)
November 10, 2011 (6:30 PM)
 - [City Council meeting](#)
November 14, 2011 (7:00 PM)
- [View full calendar](#)

Special Announcements

[Water System Master Plan](#)

Preserve America Community



City Hall/Council Chambers
Location
 1644 Oak Street
 Solvang, Ca. 93463
 (805) 688-5575
Hours of Operation
 8:00 a.m. to 5:00 p.m.
 Monday thru Friday

NEW!! City of Solvang Local Hazard Mitigation Plan

The City of Solvang has participated with Santa Barbara County in updating its Local Hazard Mitigation Plan. This plan is an annex to the Santa Barbara County Hazard Mitigation Plan which is available for download at www.countyofsb.org/ceo/oes . Please review the Solvang draft plan - click [here to review](#) . Please submit your comments and questions to Corinne Bartshire at 916 380-3776 or cbartshire@dewberry.com . Comments received prior to October 14th will be considered for incorporation in the plan prior to adoption by the City Council. Comments received after this date will be held for consideration in future updates to this plan.

NOTICE INVITING BIDS FY 2011-12 PAVEMENT MAINTENANCE PROJECT

NOTICE INVITING BIDS FY 2011-12 PAVEMENT MAINTENANCE PROJECT.
[More..](#)



Velkommen til Solvang!

**Welcome to Solvang, California
 A Preserve America Community**

Solvang (Danish for 'sunny field') is a beautiful little city nestled in the Santa Ynez Valley of California. Founded in 1911 by a small group of Danish teachers, Solvang now is a diverse, modern city, with fine restaurants, lovely shops and outstanding activities to enchant young and old alike. There are Danish festivals, quiet tree lined streets, horse drawn wagons, Hans Christian Andersen Park, windmills, Danish pastries and dozens of quaint shops to explore. Solvang was incorporated as a city on May 1, 1985 and now has a population of approximately 5,245.

Notice of water and sewer rate increase

[Click here to view notice and proposed rate structure](#)

Join Parks and Rec for the 18th Annual Haunted House! [Click here for more information!](#)

Newsflash

SOLVANG CENTENNIAL LOGO



The City of Solvang will be celebrating its' Centennial in the year 2011. The Solvang Centennial Committee has been busy making plans for a year-long celebration to recognize the authentic heritage and close community ties. An Official Centennial logo for use by organizations, events and businesses interested in promoting this special occasion is now available. Please visit the [document center](#) under miscellaneous documents on this website for the Logo usage request form, the agreement and the style guide or contact City Hall, 1644 Oak St., Solvang, Ca. 93463 or request forms by calling 805 688-5575. We hope you take advantage of this marketing tool to highlight your business while providing Centennial support.

Solvang Weather

Solvang, CA



Temp: 91°F
Feels Like: 88°F
Humidity: 14%

Speed: 9 mph
Direct.: 260° 
Pressure: 29.80 in **W**

[Show more details](#)

Provided by: [Local Pollen Reports](#)
[Airport Conditions](#)
[Lawn and Garden Weather](#)
[Rush Hour Traffic](#)

16.8.2 References

City of Solvang General Plan

City of Solvang Emergency Operations Plan

City of Solvang Bicycle Transportation Plan