

**SUBMITTAL TO THE BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

308



FROM: Fire

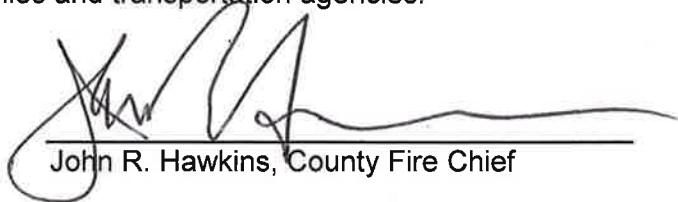
SUBMITTAL DATE:
June 1, 2012

SUBJECT: Community Wildfire Protection Plan – Southwest Riverside County

RECOMMENDED MOTION: Move that the Board of Supervisors approve and authorize the Chairman to sign the Community Wildfire Protection Plan – Southwest Riverside County.

BACKGROUND: The Southwest Community Wildfire Protection Plan was collaboratively developed through the combined efforts of the South West Riverside County communities and the South West Riverside Fire Safe Council. It identifies and prioritizes areas for hazardous fuel reduction treatments and recommends the types and methods of treatment that will protect those communities. The plan also addresses preparedness and evacuation issues relative to wildfire threat. The plan was produced in close cooperation with federal, state and local firefighting agencies, Office of Emergency Services, Natural Resource Conseration Service, utility companies and transportation agencies.

Departmental Concurrence



 John R. Hawkins, County Fire Chief

FINANCIAL DATA	Current F.Y. Total Cost:	\$ N/A	In Current Year Budget:	N/A
	Current F.Y. Net County Cost:	\$ N/A	Budget Adjustment:	N/A
	Annual Net County Cost:	\$ N/A	For Fiscal Year:	N/A

SOURCE OF FUNDS: N/A	Positions To Be Deleted Per A-30	<input type="checkbox"/>
	Requires 4/5 Vote	<input type="checkbox"/>

C.E.O. RECOMMENDATION:

APPROVE

BY: Michael R. Shetler
Michael R. Shetler

County Executive Office Signature

- Consent
- Policy
- Consent
- Policy

Dep't Recomm.:
 Per Exec. Ofc.:



**REGIONAL INTEGRATED FIRE PROTECTION
AND EMERGENCY SERVICES**

A Community Wildfire Protection Plan



Southwest Riverside County

A Community Wildfire Protection Plan

Objectives of a Community Wildfire Protection Plan:

- Comprehensive Forest planning and prioritization
- Mechanism for federal agencies to give meaningful considerations to community priorities
- Open community debate regarding management options
- Provide maximum flexibility for communities to determine the substance and detail of their plans
- Merge the goals and objectives of the landowners with the needs and expectations of the community regarding fire risk reduction
- Coordinate fire protection strategies across property boundaries
- Coordinate the grant funding and federal program budgets to achieve the most effective results with limited funding

Resource Materials:

Available at the [California Fire Alliance website](#)

- Healthy Forest Restoration Act of 2003
 - Preparing a Community Wildfire Protection Plan, a Handbook for Wildland-Urban Interface Communities, (NACo, NASF, SAF, WGA) March 2004.
 - Field Guidance by National Association of State Foresters, June 27, 2003
 - Leaders Guide Supplement, International Association of Fire Chiefs
 - Fire Planning and Mapping Tools
-

This document shall be known as the Southwest Riverside County Community Wildfire Protection Plan.

Step1 – Convene Decision makers

The decision makers for this Community Wildfire Protection Plan are:

- Local Government: Bob Buster and Jeff Stone County Board of Supervisors
- Local Fire Chief: Riverside County Fire Department John Hawkins
- Murrieta Fire Chief Department Matt Shobert
- CDF Unit Chief: Riverside Unit John Hawkins

These decision makers were notified on 09/12/10 and invited to participate in the development of this plan.

Step 2 – Involve Federal Agencies

The representatives of the federal agencies managing land in the vicinity of the communities are:

Agency	Representative	Date Invited to Participate
Forest Service	Jacob Gipson	11/9/10
Bureau of Land Management	James Gannon	11/9/10
Park Service	N/A	date
Fish and Wildlife Service	Karin Cleary-Rose	11/9/10
Bureau of Indian Affairs	N/A	date
Tribal Governments	N/A	date
Bureau of Reclamation	N/A	date
Natural Resource Conservation Service	N/A	date
Other	(name representative)	date

Step 3a – Involve State/Local Agencies

The representatives of the state/local agencies that have jurisdictional responsibilities in the vicinity of the communities are:

Agency	Representative	Date Invited to Participate
State Parks and Recreation	Ken Kietzer	11/9/10
California Department of Fish and Game	Eddy Konno	11/9/10
CA. Dept. of Forestry and Fire Protection	John Hawkins	11/9/10
Department of Transportation	N/A	date
Emergency management agencies	Peter Lent	11/9/10
Rancho California Water District	Denise Landstedt	11/9/10
Western Municipal Water District	Phil Rosentrater	11/9/10
Eastern Municipal Water District	Peter Odencrans	11/9/10
Elsinore Valley Municipal Water District	N/A	
Riverside County Habitat Conservation Agency	Gail Barton	11/9/10

Step 3b – Engage Interested Parties

The parties from our community that have shown interest in forest/fire management or may be interested in this CWPP are:

Interested Parties	Date Invited to Participate
S.W. Fire Safe Councils	11/09/2010
Landowners	11/09/2010
Recreation organizations	11/09/2010
Environmental organizations	11/09/2010
The Nature Conservancy	11/9/2010
Elsinore Murrieta Anza Resource Conservation District	11/9/2010
Resource Advisory Committees	N/A
La Cresta POA	11/09/2010
Tenaja CSD	11/09/2010
La Cresta Highland POA	11/09/2010
Santa Rosa West POA	11/09/2010
Santa Rosa Ranches	11/09/2010
The Trails at Santa Rosa POA	11/09/2010
Meadow Oaks POA	11/09/2010

Step 4 – Establish a Community Base Map

Attached is a base map of the community(s) and adjacent landscapes of interest. Highlighted on the map are:

- The inhabited areas at potential risk to wildland fire and include:
- See attachment #1
 - La Cresta
 - El Cariso Village
 - Capistrano Ranchos
 - Morell Canyon
 - Decker Canyon
 - Bear Creek
 - Tenaja CSD
 - Santa Rosa West
 - Meadow Oaks
 - The Trails at Santa Rosa
 - Unincorporated SR Plateau Areas: Santa Rosa Ranches off Valle Vista, and area NW of La Cresta – off Calle de Lobo

- Areas containing critical human infrastructure, such as escape routes, municipal water supplies, power or communication structures, including:
- See attachment #2
 - La Cresta
 - El Cariso Village
 - Capistrano Ranchos
 - Morell Canyon
 - Decker Canyon
 - Bear Creek
 - Tenaja CSD
 - Santa Rosa West
 - Meadow Oaks
 - The Trails at Santa Rosa
 - Unincorporated SR Plateau Areas: Santa Rosa Ranches off Valle Vista, and area NW of La Cresta – off Calle de Lobo .

- Areas of Community importance, including:
- See attachment #2
 - El Cariso and Wildomar Campground
 - The Santa Rosa Plateau Ecological Reserve
 - Girl Scout and Boy Scout camps

After considering the location of the inhabited areas, the critical human infrastructure, and the risk of wildfire, the community has identified on the map, a wildland-urban interface (WUI) zone around the community assets, which in general includes the area within 1.5 miles from the community or structure. Natural/man-made barriers have been used to define the boundary of the community base map (e.g. highways, ridgelines, rivers, etc.).

Step 5a – Develop a Community Risk Assessment

As designated on the base map, the following table lists the associated wildfire risk, as viewed by this (these) community(s).

Community, structure or area at risk	Fuel Hazard	Risk of Wildfire Occurrence	Structural Ignitability	Firefighting capability	Overall Risk
La Cresta	High	High	Med	Medium	Low
Tenaja CSD	High	High	Low	Medium	Mod
El Cariso Village	High	High	High	Medium	E-Risk
Capistrano Ranchos	High	High	High	Medium	E-Risk
Lower Morell Canyon	High	High	High	Low	E-Risk
Bear Creek	High	High	Med	High	High
Upper Morrell Canyon	High	High	Med	Low	E-Risk
N Decker Canyon	High	High	Med	Low	E-Risk
La Cresta Highlands	High	High	Low	Medium	Low
Santa Rosa West	High	High	Med	Medium	E-Risk
Meadow Oaks	High	High	Med	Medium	High
The Trails at Santa Rosa	High	High	Low	Medium	Mod
Santa Rosa Ecological Reserve	High	High	Low	Medium	Mod
Unincorporated SR Plateau Areas: Santa Rosa Ranches off Valle Vista, and area NW of La Cresta – off Calle de Lobo	High	High	Med	Medium	E-Risk
Bear Creek	High	High	Med	High	E-Risk

Step 5b – Develop the overall community priority

The priority rating reflects the overall risk and the community values.

Community, structure or area at risk	Overall Risk	Community Value	Cultural Value	Overall Priority
La Cresta	High	High	High	High
La Cresta Highlands	High	High	High	High
Capistrano Ranchos	High	High	High	High
El Cariso Village	High	High	High	High
Lower Morrell Canyon	High	High	High	High
Upper Morrell Canyon	High	High	High	High
N Decker Canyon	High	High	High	High
Tenaja CSD	High	High	High	High
Santa Rosa West	High	High	High	High
Meadow Oaks	High	High	High	High
The Trails at Santa Rosa	High	High	High	High
Unincorporated SR Plateau Areas: Santa Rosa Ranches off Valle Vista, and area NW of La Cresta – off Calle de Lobo	High	High	High	High
Santa Rosa Ecological Reserve	High	High	High	Medium
Bear Creek	High	High	High	Medium

Step 6a – Community hazard Reduction Priorities

Based on the results of the community risk assessment, priority ratings have been selected for the communities and areas of community importance. The community recommendations for the type and method of treatment for the surrounding vegetation are listed in the following table.

Community, structure or area at risk	Type of Treatment	Method of Treatment	Overall Priority
La Cresta	mechanical (Chipper), hand labor,	thinning from below, some commercial thinning	High
La Cresta Highlands	mechanical (Chipper), hand labor,	thinning from below, some commercial thinning,	High
Capistrano Ranchos	fire, mechanical (Chipper), hand labor,	prescribed fire, thinning from below, some commercial thinning,	High

Community, structure or area at risk	Type of Treatment	Method of Treatment	Overall Priority
El Cariso Village	fire, mechanical (Chipper), hand labor,	prescribed fire, thinning from below, some commercial thinning,	High
Lower Morrell Canyon	fire, mechanical (Chipper), hand labor,	prescribed fire, thinning from below, some commercial thinning,	High
Upper Morrell Canyon	fire, mechanical (Chipper), hand labor,	prescribed fire, thinning from below, some commercial thinning,	High
N Decker Canyon	fire, mechanical (Chipper), hand labor,	prescribed fire, thinning from below, some commercial thinning,	High
Tenaja CSD	fire, mechanical (Chipper), hand labor,	prescribed fire, thinning from below, some commercial thinning,	High
Santa Rosa West	fire, mechanical (Chipper), hand labor,	prescribed fire, thinning from below, some commercial thinning,	High
Meadow Oaks	mechanical (Chipper), hand labor,	thinning from below, some commercial thinning,	High
The Trails at Santa Rosa	mechanical (Chipper), hand labor,	thinning from below, some commercial thinning,	High
Unincorporated SR Plateau Areas: Santa Rosa Ranches off Valle Vista, and area NW of La Cresta – off Calle de Lobo	fire, mechanical (Chipper), hand labor,	prescribed fire, thinning from below, some commercial thinning,	High
Santa Rosa Ecological Reserve	fire, mechanical (Chipper), hand labor,	prescribed fire, thinning from below, some commercial thinning,	High
South Main Divide Fuel Break	fire, mechanical (Chipper), hand labor,	prescribed fire, thinning from below, commercial thinning,	High
Bear Creek	fire, mechanical Chipper, cable, hand labor,	prescribed fire, thinning from below, commercial thinning, .	High

Step 6b – Recommendations to Reduce Structural Ignitability

Individuals and the community can reduce structural ignitability throughout the community by taking the following measures.

- Upgrading structures to Riverside County and State Codes for WUI Zones.
- Maintain structure/vegetation clearance to CA. State Code 4291 and Riverside County Code 787.
- Maintain unimproved properties to Riverside County Code 695
- Homeowners to provide home firefighting equipment.

Step 7 – Develop an Action Plan and assessment Strategy

Federal agencies and private landowners of the vegetation surrounding the identified communities, structure or areas of concern were invited to submit projects that provide protection and reduce risk. The following table displays a list of projects submitted and the community recommendations. (The community may also consider and add projects of its own development.)

Community, structure or area at risk	Project	Agency/ Landowner	Funding Needs	Time Table	Community Recommendation
All Communities	Strategic Fire Plan	Private	Grant funding	2013	Yes
All Communities	Notification System	Private	Grant funding	2013	Yes
All Communities	Evacuation Signage	Private/County	Grant funding	2012	Yes
All Communities	Fuel Breaks	Federal/Private	Grant funding	2013	Yes
All Communities	identify and improve roads for emergency egress	Private	Combination	2013	Yes
All Communities	Community education on the reporting system of illegal fires.	Fed./State/Local	Grant/Local Funding	2012	Yes

The community intends to assess the progress annually and invite Agencies and landowners to submit projects that provide community protection. Additional projects will be displayed in an update appendix to this plan.

Step 8 – Finalize the Community Wildfire Protection Plan

The Southwest Riverside County Community Wildfire Protection Plan:

- Was collaboratively developed. Interested parties and federal land management agencies managing land in the vicinity of
 - El Cariso Village
 - Lower Morrell Canyon
 - Upper Morrell Canyon
 - N Decker Canyon
 - Capistrano Ranchos
 - Tenaja CSD
 - La Cresta
 - La Cresta Highlands
 - Santa Rosa West
 - Meadow Oaks
 - The Trails at Santa Rosa
 - Santa Rosa Ecological Reserve
 - Bear Creek
 - Unincorporated SR Plateau Areas: Santa Rosa Ranches off Valle Vista, and area NW of La Cresta – off Calle de Lobo have been consulted.

- Identifies and prioritizes areas for hazardous fuel reduction treatments and recommends the types and methods of treatment that will protect El Cariso Village
 - Lower Morrell Canyon
 - Upper Morrell Canyon
 - N Decker Canyon
 - Capistrano Ranchos
 - Tenaja CSD
 - La Cresta
 - La Cresta Highlands
 - Santa Rosa West
 - Meadow Oaks
 - The Trails at Santa Rosa
 - Santa Rosa Ecological Reserve
 - Bear Creek
 - Unincorporated SR Plateau Areas: Santa Rosa Ranches off Valle Vista, and area NW of La Cresta – off Calle de Loboinsert community(s) name here].

- Recommends measures to reduce the ignitability of structures throughout the area addressed by the plan.

**Appendix
Updated Project List
2010**

Federal agencies and private landowners of the vegetation surrounding the identified communities, structure or areas of concern were invited to submit projects that provide protection and reduce risk. The following table displays a list of projects submitted and the community recommendations. (The community may also consider and add projects of its own development.)

Community, structure or area at risk	Project	Agency/ Landowner	Funding Needs	Time Table	Community Recommendation
All communities listed	Create fuel breaks and vegetation treatments at the National Forest Boundaries, around the Bear Creek community and around the Santa Rosa Plateau Ecological Reserve to protect adjacent developed communities	Fed/State/Private	Grant funding	2013	Yes
All communities listed	Identify and post maps of evacuation routes by number/colored signs so early Warning Notification System can better direct residents and visitors (hikers/bikers/horseback riders visiting the reserve	Fed State/Local	Grant funding	2013	Yes
All communities listed	Investigate development of alternative evacuation routes to the Ortega Highway and Clinton Keith Rd. off the Santa Rosa Plateau	Fed/State/Local	Grant funding	2013	Yes
All communities listed	Create a mechanism for fire authorities to notify residents where they can evacuate large animals to in their immediate areas, in a large scale fire event, and to identify areas within the communities to shelter in place if necessary	State/Local	Grant funding	2013	Yes

Community, structure or area at risk	Project	Agency/ Landowner	Funding Needs	Time Table	Community Recommendation
All communities listed	Step up enforcement/removal of illegal marijuana grooves on both public and private property	Fed/State	Agency budget	2013	Yes
All communities listed	Better enforcement by law agencies of illegal/vagrant encampments	Fed/Local	Agency budget	2013	Yes
All communities listed	Fuel reduction programs: 1. Fire Safe Council Chipping program. 2. Cleaning abandoned properties 3. Removal of storm and diseased killed trees 4. Clearing of overgrown road and trail easement	Fed/State/Local	Grant funding	2013	Yes
All communities listed	Public outreach and education	Fed/State/cocal	Grant funding	2013	Yes
All communities listed	Inhance communication(radio) for Fire Safe Councils.	Local	Grant funding	2013	Yes

The South West Community Protection Plan was developed through the combined efforts of the South West Riverside County Communities and the South West Riverside Fire Safe Council

- This plan was collaboratively developed, with extensive input and direction from the community.
- This plan identifies and prioritizes fuel treatments for the South West Riverside County area.
- This plan address ignitability issues, such as brush abatement.
- This plan addresses preparedness and evacuation issues relative to wildfire threat.
- This plan was produced in close cooperation with federal, state and local firefighting agencies, Office of Emergency Services, Natural Resource Conservation Service, Utility companies and transportation agencies.

The following partners in the South West Wildfire Protection Plan have reviewed and agree to its contents.

John F. Tavaglione
Board of Supervisors- Chair

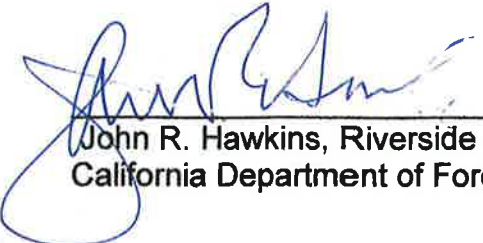
Date



Matt Shobert
City of Murrieta Fire Chief



Date

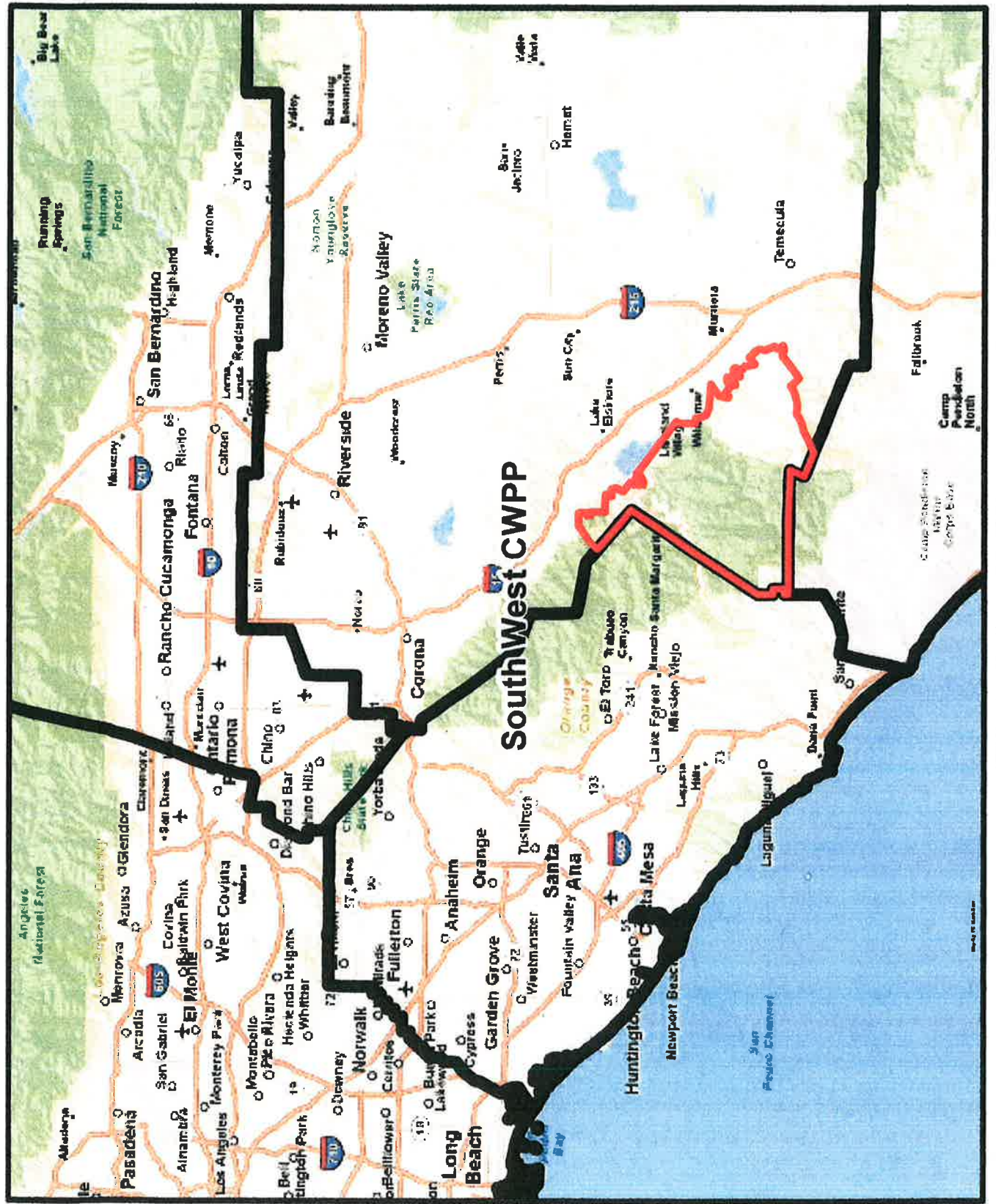


John R. Hawkins, Riverside Unit Chief
California Department of Forestry and Fire Protection

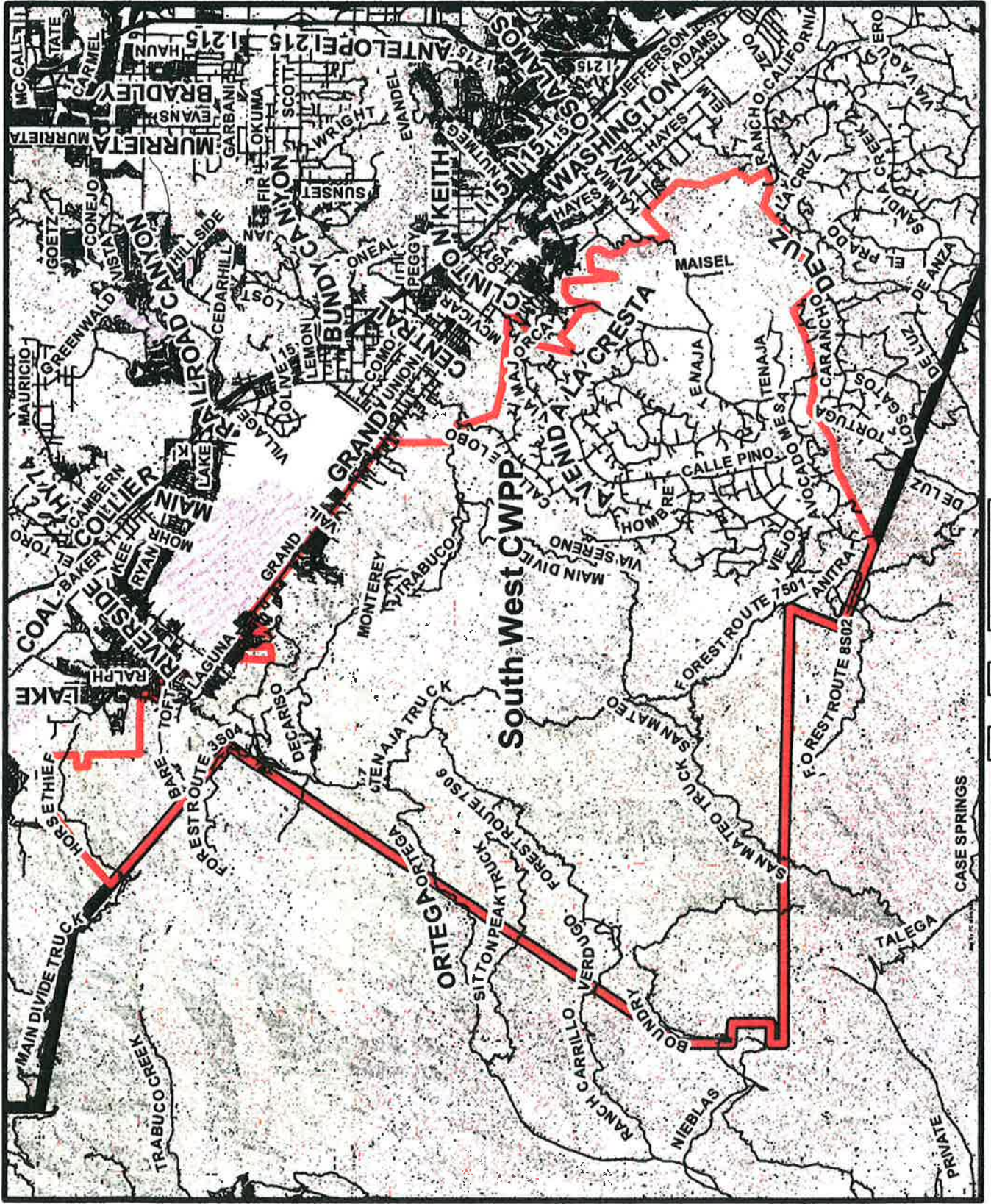


Date

South West CWPP



South West CWPP



SW Riverside County Community Wildfire Protection Plan

Santa Rosa Plateau Community Wildfire Hazard Assessment: An Overview

The Santa Rosa Plateau is located seven miles west of the I-15 Fwy -- accessed by Clinton Keith Road. At an average altitude of 2,000 feet, it is bordered on the west by the Cleveland National forest, on the south by the community of De Luz in San Diego County, on the north by the cities of Lake Elsinore and the Cleveland National Forest, and on the west by the foothills of Murrieta.

The main access road, Clinton Keith is a two lane, wide and well maintained County road used for ingress and egress by all the Plateau communities. There are several other access roads, but these are not considered practical for emergency purposes; Via Volcano runs past the eastern point of the Santa Rosa Ecological Reserve and connects to Los Gatos which leads into the community of De Luz and on down into Temecula. Los Gatos is paved and maintained, but has an incline of approximately 30% -- making it impractical for use other than with a regular passenger vehicle (with good brakes). There are other unmaintained roads leading off the Plateau into the Cleveland Nat'l forest, both on the west and southwest areas of the community. These roads are best used by sturdy 4 wheel drive vehicles and only in daytime with dry road conditions.

The dominant Plateau vegetation consists of Englemann Oak and Coast Live Oak woodland (grass understory) and Chaparral covered hillsides consisting of scrub oak, chamise, sage, California sage, coffee berry and other shrubs and herbaceous plants.

The Santa Rosa Plateau is comprised of seven different and distinct communities and adjacent unincorporated areas:

The Santa Rosa Ecological Reserve is the largest - with 9,300 acres of both public and restricted recreational and educational acreage;

Tenaja is the next largest Plateau land area, located adjacent to the Reserve -- comprised of approximately 6,400 acres divided into 5-10-20 & 40 acre parcels -- the community is only about 30% developed; Tenaja CSD is upland (2,000 + feet) and consists of broad valleys dominated by grasses and wetlands vegetation surrounded by several mesas and steep rocky mountains. Avocado Mesa covered by oaks and chaparral forms the southern border. Redondo Mesa with similar vegetation separates the two Valleys. Squaw Mountain is on the west. It is covered with large oaks and chaparral. The eastern boundary is the Santa Rosa Plateau Ecological Reserve. On the north are the communities of the La Cresta Highlands and Santa Rosa West.

La Cresta is the third largest area; 5,878 acres with 855 5-10 & 20 acre parcels -- the community is approximately 60% developed and has the most avocado groves and smaller vineyards;

La Cresta Highlands is the fourth largest area; 1,960 acres divided into 5-10 & 20 acre parcels -- it is almost 50% developed with 106 homes built;

Santa Rosa West is fifth largest in land area; 1,288 acres divided into 10-20 & 40 acre parcels with level to hilly areas of homes, vineyards and larger equestrian ranches;

Meadow Oaks, actually a part of Tenaja, is a smaller gated community of 600 acres comprised of 5 & 10 acre parcels; it is almost 80% built out;

The Trails community is located at the juncture of Clinton Keith Rd and Avenida La Cresta. The newest planned development on the Plateau, it is comprised of approximately 250 acres divided into 5+ acre parcels -- 34 homes are built. There are approximately 25-50 acres within this development dedicated as Open Space -- mostly a canyon running behind the homes on Via Entrada and Woodward Way, and the border area where the community backs up to the Santa Rosa Ecological Reserve on the south and west.

Unincorporated Plateau Areas:

Santa Rosa Ranches; Valle Vista off Avenida La Cresta between Via Sevilla and the end of the road -- Approximately 150 acres, 17 homes, 60-65 residents
Border parcels between La Cresta on the NW and the Cleveland National Forest: Approximately 200 acres that have been privately developed -- mostly larger parcels of 20-40-60 acres. Approximately 6-8 homes and 20-30 residents.

*SW Riverside County Community Wildfire Protection Plan
Highway 74 Corridor*

Highway 74 is the main east to west highway allowing drivers to go from Palm Springs to Orange County. The Highway passes through many communities including Pinyon, Mountain Center, Hemet, Perris, Elsinore and finally ending in Orange County at I-5. As the highway passes through Elsinore and Lakeland Village it climbs to 3000 ft to pass through the areas in the Community Wildfire Protection Plan (CWPP).

At the top of the grade, the Cleveland National Forest begins, this is the area we are referring to as the Hwy 74 corridor. There are several small and distinct communities in the Forest. All the communities are protected for fire by United States Forest Service (USFS) and CAL FIRE/Riverside County Fire Department (RCFD). Hwy. 74 is two lane paved roadway it is winding, a typical roadway allowing access in a mountainous area. The topography varies from steep canyons with seasonal water ways to high ridges that get snow during the winter months. The USFS maintains a series of fire roads and fuel breaks in the forest.

The fuel in the area can be best described as Chaparral. There are areas of grasses with a oak savannah, but the overall impression is a Chaparral forest. The area has been prone to many fires over the past one hundred years, but currently, the area has a fuel age class best described as over 25 years.

The Hwy 74 corridor is comprised of five different and distinct communities and adjacent unincorporated areas:

Upper Morrell Canyon is located on 1019 acres with 9 homes and El Potrero Girl Scout camp. The camp hosts up to 600 scouts per year. The large bottom of the canyon has a fuel loading of grasses with a oak savannah. The slopes of the canyon are covered with mature brush that borders the San Mateo wilderness.

Lower Morrell Canyon is located on 340 acres with 46 homes and an RV campground with 70 spaces. This canyon bottom has a larger area that has a fuel loading of grass with a Oak Savannah. The canyon slopes are covered in mature brush. The road system like most of these communities is a one way in and out to the community.

El Cariso Village community is located at the top of the Hwy 74 grade. It is 211.9 acres and consists of 102 homes, 6 campgrounds, a boys camp and a group camp. Also located in this community is RCFD fire station 51, the USFS Hotshot camp and fire station.

Rancho Capistrano is 700 acres with 403 homes. This area has only one access road, it is located off highway 74 in Orange county. This community does have a RCFD reserve/volunteer fire station. The road does lead back into Riverside County. This community borders the San Mateo Wilderness area.

Decker Canyon is located on 446 acres with 115 homes. This area can best be described as a canyon community with fairly steep slopes covered in mature brush. Decker Canyon road leads into the canyon without any access out on any other road system.

*SW Riverside County Community Wildfire Protection Plan
Bear Creek Community*

The Bear Creek Community is a gated community that's located 3 miles west off of the I-15 freeway, accessed by Clinton Keith road with a secondary access off Grand Ave. It's bordered on the West and South side by Rancho Santa Rosa Mountains which leads into the Cleveland National Forest. And on the North side it's bordered by Elsinore Peak which leads into the Elsinore Mountains. Then on the East side, it is bordered by the City of Wildomar and the City Murrieta. Bear Creek Community is comprised of approximately 2700 acres divided into ½, 1, & 2 acre parcels. The community is about 80% developed with approximately 620 lots; 15 of those are under construction and 20 are still undeveloped.

The main access road, Clinton Keith, is a two lane wide, city and county maintained road. It is used for ingress and egress by all of the Bear Creek Community. The community does contain two alternative access roads used for emergency purposes only.

Bear Creek's dominant vegetation consists of Englemann Oak and Coast Live Oak woodland (grass understory) and Chaparral covered hillsides consisting of scrub oak, chamise, sage, California sage, coffee berry and other shrubs and herbaceous plants.

WILDLAND URBAN INTERFACE FIRE PROTECTION PROGRAM
COMMUNITY WILDFIRE HAZARD ASSESSMENT

RISK LOCATION		
Community is located within the following designated Wildfire Risk Areas according to the VA Dept of Forestry's Risk Analysis.		
Low	0	10
Medium	10	
High	20	
TOTAL ADDITIONAL HAZARD FACTORS		30

What does the Wildfire Hazard Rating number mean?

Using the Wildfire Hazard Assessment, the highest possible rating is 206 points. Woodland communities can be divided into the following four/three risk categories:

- Low Risk: Total Wildfire Risk Rating is 0 - 75 points**
 The chances of your home surviving a wildfire are GOOD. Little is needed to improve your situation. Keep up the good work!
- Moderate Risk: Total Wildfire Risk Rating is 76 - 130 points**
 The chances of your home surviving a wildfire are FAIR. Some Minor improvements will make your home more fire resistant. Check the areas on the form in which you scored poorly.
- High Risk: Total Wildfire Risk Rating is Over 130 points**
 The chances of your home surviving a wildfire are NOT GOOD. Improvements are necessary. Some improvements in structure and site are necessary.
- Extreme Risk: Total Wildfire Risk Rating is Over 140 points**
 Your home MAY NOT SURVIVE if a wildfire passes through the area. In fact, a fire could even start on your property. Take a serious look at your property and make improvements. If you don't, you may be facing disaster. You'll find that even small changes could make the difference between losing or saving your home.

HAZARD is defined as the potential fire behavior based on physical fuel characteristics.

RISK is defined as the probability of fire occurrence determined by the number, presence and activity of potential ignition sources.

This form may be used to evaluate your community and determine the level of wildfire risk. It covers roughly one-half of the hazards normally taken into account in calculating fire risk, but does provide an approximate indication of true risk. For more information on your home's fire risk, or for a more complete evaluation of your property, contact your local Department of Forestry office.

South West Communities CWPP Compilation Information

Community	# Residents	# Lots	# Homes	# Acres	Ave Home Price	Vegetation / Trees / Terrain / Topography
El Cariso Village	265	105	101	212	\$385,000	80% grass, shrubs & trees: surrounded by large forested area; several camp grounds & picnic areas: level to moderate terrain
Lower Morrell Canyon	178	22	46	340	\$300,000	80% grass, shrubs & trees: surrounded by large forested area; several camp grounds & picnic areas + RV park w/140 spaces: level to moderate terrain
Upper Morrell Canyon	14	13	9	1019	\$550,000	80% grass, shrubs & trees: surrounded by large forested area; several camp grounds & picnic areas + El Potrero Scout Camp (620 acres): level to moderate terrain
N Decker Canyon	18	226	11	446	\$350,000	100% shrub fuel; trees, grass & shrubs mixed w/ litter from forest canopy; 75% parcels undeveloped; surrounded by Nat'l Forest
Capistrano Ranchos	402	152	115	699	\$500,000	80% grass, trees & shrubs; 20% trees w/some dead woody fuel; Moderate terrain; bordered by San Mateo Wildernes 20% undeveloped 2+ acre parcels
Tenaja CSD	375	500	150	6400	\$750,000	50% grass & shrub; 50% trees, w/ grass & shrub: 50% moderate slopes; 30% steep; 20% level; 65% undeveloped 5-acre parcels
La Cresta	1200	855	500	5878	\$750,000	60% grass & shrubs; 25% grass; 15% trees; level to moderate slopes; 40% undeveloped 5+ acres parcels
La Cresta Highlands	275	230	106	1960	\$750,000	80% shrub coverage; 10% trees; 5% trees w/ woody fuel; moderate to steep rockier terrain; 50% undeveloped 5+ acre parcels
Santa Rosa West	220	103	54	1100	\$1,000,000	50% grass; 50% trees w/ grass & shrub; Level to moderate sloping terrain; 50% undeveloped 10+ acre parcels
Meadow Oaks	175	46	37	600	\$1,000,000	80% mature oak trees w/grass or shrubs; terrain is mostly level; 20% undeveloped 5 acre parcels
The Trails at Santa Rosa	85	47	34	250	\$750,000	50% shrub fuels; 25% trees w/shrub fuels underneath; surrounded by Nature Reserve SW & SE & 47 acre Open Spc canyon on NE; level to moderate sloping terrain; 20% undeveloped 5+ acre parcels
Santa Rosa Ecological Reserve	2	N/A	4	9300	N/A	50% grass & shrubs; 50% mature trees w/ grass & shrubs; 50% level to moderate slopes; 25% moderate to steep slopes; 25% steep slopes
Unincorporated SR Plateau Areas: Santa Rosa Ranches off Valle Vista, and area NW of La Cresta - off Calle de Lobo	60-65	100+/-	25	250+/-	\$650,000	50% level topography, 25% moderate slopes, 15% steeper slopes: 50% grass & shrubs, 50% treed w/ grass & shrub: Area NW of La Cresta is surrounded by Cleveland Forest
Bear Creek	100	620	20	2,700	\$700,000	80% grass, shrubs & trees: surrounded by heavy mature brush. Flat to moderate slopes: 50% undeveloped 1-2 acre parcels. 620 total parcels.

SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

Fill out 1 assessment form per assessment area. Communities may use 1 assessment form or divide the community into several assessment areas. Use a map and mark the area included with each assessment.

Please forward completed assessments and a copy of your map by April 8, 2009

Questions call Bill Weiser 951-712-2115

Date Evaluated: <u>3/29/2009</u>		Evaluated by: <u>Mike Palmer</u>	
Subdivision or Area Name(s): <u>Upper Morrell Canyon, unincorporated of Riverside County, California</u>			
Describe Location: <u>Section 33,34,T,6.S.,R.5.W. & Section 3,4,T.7.S.,R.5.W.</u>			
Number Residences:	<u>14</u>	Number lots:	<u>13</u>
Number of Homes Built:	<u>9</u>	Average Home Value:	<u>\$550,000</u>
Number Homes Under Construction:	<u>0</u>	Total Number Acres:	<u>1019.44</u>
Fire Department Jurisdiction:	<u>CAL FIRE / Riv Co Fire</u>		

CALCULATING THE WILDFIRE HAZARD RATING							
SUBDIVISION DESIGN HAZARD RATING		SITE HAZARD RATING		BUILDING CONSTRUCTION HAZARD RATING		ADDITIONAL FACTOR HAZARD RATING	OVERALL WILDFIRE HAZARD RATING
17	Plus	131	Plus	10	Plus	147	Equals 305

SUBDIVISION DESIGN RATING:	Rating
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SUBDIVISION ACCESS		
2 or more roads in and out	0	
One road in and out (entrance and exit is the same)	5	5
SUBDIVISION BRIDGES		
No bridges or bridges with no weight and/or width restrictions	0	0
Low weight bridges restricting emergency vehicle access	5	
SUBDIVISION ROAD WIDTH		
At least 20 feet wide	2	2
Less than 20 feet wide	4	
SUBDIVISION ROAD ACCESSIBILITY		
All weather access	0	0
Limited access or unmaintained access	5	
SUBDIVISION SECONDARY ROAD CHARACTERISTICS		
Road ends in a cul-de-sac		
Cul-de-sac diameter > 100 feet	1	
Cul-de-sac diameter < 100 feet	2	2
Dead end road <200 feet long	3	
Dead end road >200 feet long	5	5
SUBDIVISION STREET SIGNS		
Present with >4 inch letters and reflective	1	
Missing, <4 inches or non-reflective	3	3
TOTAL SUBDIVISION HAZARD RATING		17

SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

SITE HAZARD RATING: (Based on a majority of properties within the community)	Rating
DRIVEWAY CHARACTERISTICS	
Less than 150 feet long	0
More than 150 feet with minimum 45 foot outside radius turnaround	3
More than 150 feet with an inadequate turnaround	5
Average driveway width more than 12 feet wide	0
Average driveway width less than 12 feet wide	5
No obstructing overhead branches below 15 feet	0
Obstructing overhead branches below 15 feet	5
No bridges or bridges with no weight and/or width restrictions	0
Inadequate surface or low weight bridges restricting emergency vehicle access	5
Slopes level or less than 10%	0
Slopes over 10%	5
No gate/non-locking gate	0
Locked gate restricting access	5
Address clearly visible from the road	0
Address not visible from the road	2
DOMINANT TREES (within 100 feet of homes throughout community)	
Deciduous (Hardwoods, Oaks)	1
Mixed (Hardwoods, Conifers, Eucalyptus)	5
Conifers (Pines, Cypresses, Firs, Junipers, Spruces, Cedar) and Eucalyptus	10
WOODER FUELS (throughout community) See pictures	
Tree branches pruned up at least 6 feet	0
Tree branches close to the ground	5
VEGETATION (predominant type throughout the community) See pictures of each type	
Grass	40%
Mixture of grass and shrub, up to 50 percent shrub coverage	%
Shrub Fuel	40%
Trees with grass or shrubs mixed with litter from forest canopy	%
Trees with some dead and down woody fuel litter beneath trees	20%
Trees with debris from wind damage, snow damage, or tree trimming	%
SLOPE OF PROPERTY See slope pictures	
Flat (0-5%)	0
Moderate (6-20)	2
Steep (over 20%)	4
DEFENSIBLE SPACE (around the majority of homes)	
No trees, shrubs or tall grass within the 30 foot zone	0
Well spaced trees and shrubs within the 30 foot zone	10
Touching crowns or tall grass within the 30 foot zone	20
DEFENSIBLE SPACE (around the majority of homes)	
No un-thinned or unmanaged timber within the 100 foot zone	0
Un-thinned or unmanaged timber within the 100 foot zone	5
TOTAL SITE HAZARD RATING	131

SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

BUILDING CONSTRUCTION HAZARD RATING:	Rating
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ROOFING MATERIALS		
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Greater than 75% of homes have metal, tile or class A asphalt or fiberglass shingles	0	0
50 to 75% of homes have metal, tile or class A asphalt or fiberglass shingles	10	
Less than 50% of homes have metal, tile or class A asphalt or fiberglass shingles	15	

SIDING / SOFFITS (EAVES)		
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Greater than 75% of homes have fire resistant siding and soffits	0	
50 to 75% of homes have fire resistant siding and soffits	5	
Less than 50% of homes have fire resistant siding and soffits	10	10

UNDER SKIRTING (if applicable) Raised Foundation		
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Greater than 75% of the homes have the equivalent of fine mesh screening underneath	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5	
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10	

DECKING		
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No decks	0	0
Decking enclosed , mesh screening around deck	5	
Decks not enclosed , no mesh screening around deck	10	

TOTAL BUILDING CONSTRUCTION HAZARD RATING	10
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ADDITIONAL HAZARD FACTORS:	Rating
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FIRE CONTROL WATER SUPPLY		
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Pressurized hydrants with minimum 500 GPM spaced less than 1000 feet apart	0	
Pressurized hydrants with less than 500 GPM or spaced more than 1000 feet apart	2	
Dry Hydrant(s) available year round within the community	2	
Other accessible sources within community	5	5
Water sources located within 4 road miles of community	7	
No water sources in or within 4 miles of the community	15	

ELECTRIC UTILITIES	(no Edison Power)	Private Generators
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Underground clearly marked	0	
Underground not clearly marked	2	
Overhead with adequate (at least 20 foot) right of way	2	
Overhead with right of way un-maintained	5	

GAS UTILITIES		
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Underground clearly marked	0	
Underground not clearly marked	1	
Above ground with 15 feet of brush clearance, greater than 30 feet from the homes	2	2
Above ground no brush clearance or within 30 feet of homes	5	

UNDEVELOPED LOTS		
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Less than 10% of lots have not been developed and pose an additional wildfire hazard due to lack of maintenance or restricted access.	0	0
10% to 50% of lots have not been developed...	3	
51% to 75% of lots have not been developed...	5	
Greater than 75% of lots have not been developed...	10	

SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

SURROUNDING ENVIRONMENT			
Community is not surrounded by any large forested areas.	0		
Large forested area adjoins one side of the community.	5		
Large forested area adjoins 2 sides of the community.	10		
Large forested area adjoins 3 sides of the community.	15		
Community is completely surrounded by large forested areas.	20		20
VEGETATION (predominant type SURROUNDING the community) See pictures of each type			
Grass	%		
Mixture of grass and shrub, up to 50 percent shrub coverage	%		
Shrub Fuel	80%		80
Trees with grass or shrubs mixed with litter from trees	20%		20
Tree litter, dead and down woody fuel litter beneath trees	%		
Trees with debris from wind damage, snow damage, or tree trimming	%		
RISK LOCATION			
Community is located within designated Wildfire Risk Areas.			
Low	0		
Medium	10		
High	20		20
TOTAL ADDITIONAL HAZARD FACTORS			147

*** El Potrero girl Scout Camp
 Phone number (951) 678-2710
 620 acres camp, Girl Scout Camp can host from 12 - 600 scouts throughout the year

SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

Fill out 1 assessment form per assessment area. Communities may use 1 assessment form or divide the community into several assessment areas. Use a map and mark the area included with each assessment.

Please forward completed assessments and a copy of your map by April 8, 2009

Questions call Bill Weiser 951-712-2115

Date Evaluated: <u>4/6/2009</u>		Evaluated by: <u>J. haver (951) 677-207</u>	
Subdivision or Area Name(s): <u>Trails at Santa Rosa</u>			
Describe Location: <u>Clinton Keith/Avenida La Cresta</u>			
Number Residences:	<u>85</u>	Number lots:	<u>47</u>
Number of Homes Built:	<u>34</u>	Average Home Value:	<u> </u>
Number Homes Under Construction:	<u>1</u>	Total Number Acres:	<u>250</u>
Fire Department Jurisdiction:	<u>CAL FIRE / Riv Co Fire</u>		

CALCULATING THE WILDFIRE HAZARD RATING

SUBDIVISION DESIGN HAZARD RATING		SITE HAZARD RATING		BUILDING CONSTRUCTION HAZARD RATING		ADDITIONAL FACTOR HAZARD RATING		OVERALL WILDFIRE HAZARD RATING
17	Plus	42	Plus	0	Plus	24	Equals	83

SUBDIVISION DESIGN RATING: Rating

SUBDIVISION ACCESS

2 or more roads in and out	0	
One road in and out (entrance and exit is the same)	5	5

SUBDIVISION BRIDGES

No bridges or bridges with no weight and/or width restrictions	0	0
Low weight bridges restricting emergency vehicle access	5	

SUBDIVISION ROAD WIDTH

At least 20 feet wide	2	2
Less than 20 feet wide	4	

SUBDIVISION ROAD ACCESSIBILITY

All weather access	0	0
Limited access or unmaintained access	5	

SUBDIVISION SECONDARY ROAD CHARACTERISTICS

Road ends in a cul-de-sac		
Cul-de-sac diameter > 100 feet	1	
Cul-de-sac diameter < 100 feet	2	2
Dead end road <200 feet long	3	
Dead end road >200 feet long	5	5

SUBDIVISION STREET SIGNS

Present with >4 inch letters and reflective	1	
Missing, <4 inches or non-reflective	3	3

TOTAL SUBDIVISION HAZARD RATING **17**

SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

SITE HAZARD RATING: (Based on a majority of properties within the community)		Rating
DRIVEWAY CHARACTERISTICS		
Less than 150 feet long	0	
More than 150 feet with minimum 45 foot outside radius turnaround	3	
More than 150 feet with an inadequate turnaround	5	5
Average driveway width more than 12 feet wide	0	0
Average driveway width less than 12 feet wide	5	
No obstructing overhead branches below 15 feet	0	0
Obstructing overhead branches below 15 feet	5	
No bridges or bridges with no weight and/or width restrictions	0	0
Inadequate surface or low weight bridges restricting emergency vehicle access	5	
Slopes level or less than 10%	0	
Slopes over 10%	5	5
No gate/non-locking gate	0	
Locked gate restricting access	50%-5	5
Address clearly visible from the road	0	
Address not visible from the road	2	
DOMINANT TREES (within 100 feet of homes throughout community)		
Deciduous (Hardwoods, Oaks)	1	
Mixed (Hardwoods, Conifers, Eucalyptus)	5	5
Conifers (Pines, Cypresses, Firs, Junipers, Spruces, Cedar) and Eucalyptus	10	
ADDITIONAL FUELS (throughout community) See pictures		
Tree branches pruned up at least 6 feet	0	
Tree branches close to the ground	50%-5	5
VEGETATION (predominant type throughout the community) See pictures of each type		
Grass	%	
Mixture of grass and shrub, up to 50 percent shrub coverage	%	
Shrub Fuel	50%	
Trees with grass or shrubs mixed with litter from forest canopy	%	
Trees with some dead and down woody fuel litter beneath trees	%	
Trees with debris from wind damage, snow damage, or tree trimming	%	
SLOPE OF PROPERTY See slope pictures		
Flat (0-5%)	0	
Moderate (6-20)	2	2
Steep (over 20%)	4	
DEFENSIBLE SPACE (around the majority of homes)		
No trees, shrubs or tall grass within the 30 foot zone	0	
Well spaced trees and shrubs within the 30 foot zone	10	10
Touching crowns or tall grass within the 30 foot zone	20	
DEFENSIBLE SPACE (around the majority of homes)		
No un-thinned or unmanaged timber within the 100 foot zone	0	
Un-thinned or unmanaged timber within the 100 foot zone	50%-5	5
TOTAL SITE HAZARD RATING		42

SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

BUILDING CONSTRUCTION HAZARD RATING:	Rating
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ROOFING MATERIALS		
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Greater than 75% of homes have metal, tile or class A asphalt or fiberglass shingles	0	0
50 to 75% of homes have metal, tile or class A asphalt or fiberglass shingles	10	
Less than 50% of homes have metal, tile or class A asphalt or fiberglass shingles	15	

SIDING / SOFFITS (EAVES)		
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Greater than 75% of homes have fire resistant siding and soffits	0	0
50 to 75% of homes have fire resistant siding and soffits	5	
Less than 50% of homes have fire resistant siding and soffits	10	

UNDER SKIRTING (if applicable) Raised Foundation		
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Greater than 75% of the homes have the equivalent of fine mesh screening underneath	0	
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5	
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10	

DECKING		
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No decks	0	
Decking enclosed , mesh screening around deck	5	
Decks not enclosed , no mesh screening around deck	10	

TOTAL BUILDING CONSTRUCTION HAZARD RATING	0
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ADDITIONAL HAZARD FACTORS:	Rating
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FIRE CONTROL WATER SUPPLY		
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Pressurized hydrants with minimum 500 GPM spaced less than 1000 feet apart	0	0
Pressurized hydrants with less than 500 GPM or spaced more than 1000 feet apart	2	
Dry Hydrant(s) available year round within the community	2	
Other accessible sources within community	5	
Water sources located within 4 road miles of community	7	
No water sources in or within 4 miles of the community	15	

ELECTRIC UTILITIES		
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Underground clearly marked	0	
Underground not clearly marked	2	2
Overhead with adequate (at least 20 foot) right of way	2	
Overhead with right of way un-maintained	5	

GAS UTILITIES	ALL PROPANE TANKS	
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Underground clearly marked	0	
Underground not clearly marked	1	
Above ground with 15 feet of brush clearance, greater than 30 feet from the homes	2	2
Above ground no brush clearance or within 30 feet of homes	5	

UNDEVELOPED LOTS		
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Less than 10% of lots have not been developed and pose an additional wildfire hazard due to lack of maintenance or restricted access.	0	0
10% to 50% of lots have not been developed...	3	
51% to 75% of lots have not been developed...	5	
Greater than 75% of lots have not been developed...	10	

SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

SURROUNDING ENVIRONMENT		
Community is not surrounded by any large forested areas.	0	0
Large forested area adjoins one side of the community.	5	
Large forested area adjoins 2 sides of the community.	10	
Large forested area adjoins 3 sides of the community.	15	
Community is completely surrounded by large forested areas.	20	
VEGETATION (predominant type SURROUNDING the community) See pictures of each type		
Grass	%	
Mixture of grass and shrub, up to 50 percent shrub coverage	75%	
Shrub Fuel	%	
Trees with grass or shrubs mixed with litter from trees	%	
Tree litter, dead and down woody fuel litter beneath trees	%	
Trees with debris from wind damage, snow damage, or tree trimming	%	
RISK LOCATION		
Community is located within designated Wildfire Risk Areas.		
Low	0	
Medium	10	
High	20	20
TOTAL ADDITIONAL HAZARD FACTORS		24

SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

Fill out 1 assessment form per assessment area. Communities may use 1 assessment form or divide the community into several assessment areas. Use a map and mark the area included with each assessment. Please forward completed assessments and a copy of your map by April 8, 2009

Questions call Bill Weiser 951-712-2115

Date Evaluated: <u>Apr-09</u>		Evaluated by: <u>Susan Frommer (951) 461-9691</u>	
Subdivision or Area Name(s): <u>Tenaja CSD</u>			
Describe Location: <u>Santa Rosa Plateau - Riverside County</u>			
Number Residences:	<u>375</u>	Number lots:	<u>500</u>
Number of Homes Built:	<u>150</u>	Average Home Value:	<u>\$1,000,000</u>
Number Homes Under Construction:	<u>10</u>	Total Number Acres:	<u>6,400</u>
Fire Department Jurisdiction:	<u>CAL FIRE / Riv Co Fire</u>		500 parcels

CALCULATING THE WILDFIRE HAZARD RATING							
SUBDIVISION DESIGN HAZARD RATING		SITE HAZARD RATING		BUILDING CONSTRUCTION HAZARD RATING		ADDITIONAL FACTOR HAZARD RATING	OVERALL WILDFIRE HAZARD RATING
5	Plus	37	Plus	5	Plus	30	Equals 77

SUBDIVISION DESIGN RATING: Rating

SUBDIVISION ACCESS			
2 or more roads in and out		100%	
One road in and out (entrance and exit is the same)	from entire plateau	5	
SUBDIVISION BRIDGES			
No bridges or bridges with no weight and/or width restrictions		0	0
Low weight bridges restricting emergency vehicle access		5	
SUBDIVISION ROAD WIDTH			
At least 20 feet wide	main road-Tenaja, Calle pina & corona Cala Camina & Escalla	75%-2	
Less than 20 feet wide		25%4	
SUBDIVISION ROAD ACCESSIBILITY			
All weather access	main road-Tenaja, Calle pina & corona Cala Camina & Escalla	75%-0	
Limited access or unmaintained access		25%-5	
SUBDIVISION SECONDARY ROAD CHARACTERISTICS			
Road ends in a cul-de-sac			
Cul-de-sac diameter > 100 feet		1	
Cul-de-sac diameter < 100 feet		2	2
Dead end road <200 feet long	functionally dead end	3	
Dead end road >200 feet long		50%-5	
SUBDIVISION STREET SIGNS			
Present with >4 inch letters and reflective		1	
Missing, <4 inches or non-reflective		100%-3	3

TOTAL SUBDIVISION HAZARD RATING	5
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1 **SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN**

COMMUNITY WILDFIRE HAZARD ASSESSMENT

SITE HAZARD RATING: (Based on a majority of properties within the community)	Rating
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DRIVEWAY CHARACTERISTICS	
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Less than 150 feet long	0	
More than 150 feet with minimum 45 foot outside radius turnaround	3	
More than 150 feet with an inadequate turnaround	5	5
Average driveway width more than 12 feet wide	0	0
Average driveway width less than 12 feet wide	5	
No obstructing overhead branches below 15 feet	0	0
Obstructing overhead branches below 15 feet	5	
No bridges or bridges with no weight and/or width restrictions	0	0
Inadequate surface or low weight bridges restricting emergency vehicle access	5	
Slopes level or less than 10%	0	
Slopes over 10%	5	5
No gate/non-locking gate	0	
Locked gate restricting access	5	5
Address clearly visible from the road	0	
Address not visible from the road	2	2

DOMINANT TREES (within 100 feet of homes throughout community)	
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Deciduous (Hardwoods, Oaks)	1	
Mixed (Hardwoods, Conifers, Eucalyptus)	5	5
Conifers (Pines, Cypresses, Firs, Junipers, Spruces, Cedar) and Eucalyptus	10	

LADDER FUELS (throughout community) See pictures	
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Tree branches pruned up at least 6 feet	0	
Tree branches close to the ground	5	5

VEGETATION (predominant type throughout the community) See pictures of each type	
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Grass	%	
Mixture of grass and shrub, up to 50 percent shrub coverage	50%	
Shrub Fuel	%	
Trees with grass or shrubs mixed with litter from forest canopy	50%	
Trees with some dead and down woody fuel litter beneath trees	%	
Trees with debris from wind damage, snow damage, or tree trimming	%	

SLOPE OF PROPERTY See slope pictures	
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Flat (0-5%)	20%-0	
Moderate (6-20)	50%-2	
Steep (over 20%)	30%-4	

DEFENSIBLE SPACE (around the majority of homes)	
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No trees, shrubs or tall grass within the 30 foot zone	0	
Well spaced trees and shrubs within the 30 foot zone	10	10
Touching crowns or tall grass within the 30 foot zone	20	

DEFENSIBLE SPACE (around the majority of homes)	
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No un-thinned or unmanaged timber within the 100 foot zone	50%-0	
Un-thinned or unmanaged timber within the 100 foot zone	50%-5	

TOTAL SITE HAZARD RATING	37
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SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

BUILDING CONSTRUCTION HAZARD RATING: Rating

ROOFING MATERIALS		
Greater than 75% of homes have metal, tile or class A asphalt or fiberglass shingles	0	0
50 to 75% of homes have metal, tile or class A asphalt or fiberglass shingles	10	
Less than 50% of homes have metal, tile or class A asphalt or fiberglass shingles	15	
SIDING / SOFFITS (EAVES)		
Greater than 75% of homes have fire resistant siding and soffits	0	
50 to 75% of homes have fire resistant siding and soffits	5	5
Less than 50% of homes have fire resistant siding and soffits	10	
UNDER SKIRTING (if applicable) Raised Foundation		
Greater than 75% of the homes have the equivalent of fine mesh screening underneath	0	N/A
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5	
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10	
DECKING		
No decks	0	
Decking enclosed , mesh screening around deck	5	
Decks not enclosed , no mesh screening around deck	10	
TOTAL BUILDING CONSTRUCTION HAZARD RATING		5

ADDITIONAL HAZARD FACTORS: Rating

FIRE CONTROL WATER SUPPLY SEE FIRE DEPARTMENT		
Pressurized hydrants with minimum 500 GPM spaced less than 1000 feet apart	0	
Pressurized hydrants with less than 500 GPM or spaced more than 1000 feet apart	2	
Dry Hydrant(s) available year round within the community	2	
Other accessible sources within community	5	
Water sources located within 4 road miles of community	7	
No water sources in or within 4 miles of the community	15	
ELECTRIC UTILITIES		
Underground clearly marked	0	
Underground not clearly marked	50%-2	
Overhead with adequate (at least 20 foot) right of way	2	
Overhead with right of way un-maintained	50%-5	
GAS UTILITIES ALL PROPANE TANKS		
Underground clearly marked	0	
Underground not clearly marked	1	
Above ground with 15 feet of brush clearance, greater than 30 feet from the homes	2	
Above ground no brush clearance or within 30 feet of homes	5	
UNDEVELOPED LOTS PENDING		
Less than 10% of lots have not been developed and pose an additional wildfire hazard due to lack of maintenance or restricted access.	0	
10% to 50% of lots have not been developed...	3	
51% to 75% of lots have not been developed...	5	
Greater than 75% of lots have not been developed...	10	

3 SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

SURROUNDING ENVIRONMENT			
	Community is not surrounded by any large forested areas.	0	
	Large forested area adjoins one side of the community.	5	
	Large forested area adjoins 2 sides of the community.	10	10
	Large forested area adjoins 3 sides of the community.	15	
	Community is completely surrounded by large forested areas.	20	
VEGETATION (predominant type SURROUNDING the community) See pictures of each type			
	Grass	%	
	Mixture of grass and shrub, up to 50 percent shrub coverage	50%	
	Shrub Fuel	%	
	Trees with grass or shrubs mixed with litter from trees	%	
	Tree litter, dead and down woody fuel litter beneath trees	50%	
	Trees with debris from wind damage, snow damage, or tree trimming	%	
RISK LOCATION			
	Community is located within designated Wildfire Risk Areas.		
	Low	0	
	Medium	10	
	High	20	20
TOTAL ADDITIONAL HAZARD FACTORS			30

SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

Fill out 1 assessment form per assessment area. Communities may use 1 assessment form or divide the community into several assessment areas. Use a map and mark the area included with each assessment.

Please forward completed assessments and a copy of your map by April 8, 2009

Questions call Bill Weiser 951-712-2115

Date Evaluated: <u>4/9/2009</u>		Evaluated by: <u>Carole Bell (951) 677-6951 ext 223</u>	
Subdivision or Area Name(s): <u>Santa Rosa Plateau Exological Reserve</u>			
Describe Location: _____			
Number Residences:	<u>2</u>	Number lots:	_____
Number of Homes Built:	<u>1 commercial- adobes</u>	Average Home Value:	<u>N/A</u>
Number Homes Under Construction:	<u>0</u>	Total Number Acres:	<u>9,300</u>
Fire Department Jurisdiction:	<u>CAL FIRE / Riv Co Fire</u>		

CALCULATING THE WILDFIRE HAZARD RATING							
SUBDIVISION DESIGN HAZARD RATING		SITE HAZARD RATING		BUILDING CONSTRUCTION HAZARD RATING		ADDITIONAL FACTOR HAZARD RATING	OVERALL WILDFIRE HAZARD RATING
2	Plus	24	Plus	0	Plus	45	Equals 71

SUBDIVISION DESIGN RATING:	Rating
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SUBDIVISION ACCESS		
2 or more roads in and out	0	
One road in and out (entrance and exit is the same)	5	0

SUBDIVISION BRIDGES		
No bridges or bridges with no weight and/or width restrictions	0	
Low weight bridges restricting emergency vehicle access	5	

SUBDIVISION ROAD WIDTH		
At least 20 feet wide	2	2
Less than 20 feet wide	4	

SUBDIVISION ROAD ACCESSIBILITY		
All weather access	0	0
Limited access or unmaintained access	5	

SUBDIVISION SECONDARY ROAD CHARACTERISTICS			N/A
Road ends in a cul-de-sac			
Cul-de-sac diameter > 100 feet	1		
Cul-de-sac diameter < 100 feet	2		
Dead end road <200 feet long	3		
Dead end road >200 feet long	5		

SUBDIVISION STREET SIGNS			N/A
Present with >4 inch letters and reflective	1		
Missing, <4 inches or non-reflective	3		

TOTAL SUBDIVISION HAZARD RATING	2
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SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

SITE HAZARD RATING: (Based on a majority of properties within the community)		Rating
DRIVEWAY CHARACTERISTICS		
Less than 150 feet long	0	N/A
More than 150 feet with minimum 45 foot outside radius turnaround	3	
More than 150 feet with an inadequate turnaround	5	
Average driveway width more than 12 feet wide	0	N/A
Average driveway width less than 12 feet wide	5	
No obstructing overhead branches below 15 feet	0	
Obstructing overhead branches below 15 feet	5	5
No bridges or bridges with no weight and/or width restrictions	0	N/A
Inadequate surface or low weight bridges restricting emergency vehicle access	5	
Slopes level or less than 10%	50%-0	
Slopes over 10%	50%-5	
No gate/non-locking gate	0	
Locked gate restricting access	5	5
Address clearly visible from the road	0	
Address not visible from the road	2	2
DOMINANT TREES (within 100 feet of homes throughout community)		
Deciduous (Hardwoods, Oaks)	1	
Mixed (Hardwoods, Conifers, Eucalyptus)	5	5
Conifers (Pines, Cypresses, Firs, Junipers, Spruces, Cedar) and Eucalyptus	10	
ADDITIONAL FUELS (throughout community) See pictures		
Tree branches pruned up at least 6 feet	0	
Tree branches close to the ground	5	5
VEGETATION (predominant type throughout the community) See pictures of each type		
Grass	%	
Mixture of grass and shrub, up to 50 percent shrub coverage	50%	
Shrub Fuel	%	
Trees with grass or shrubs mixed with litter from forest canopy	50%	
Trees with some dead and down woody fuel litter beneath trees	%	
Trees with debris from wind damage, snow damage, or tree trimming	%	
SLOPE OF PROPERTY See slope pictures		
Flat (0-5%)	0	
Moderate (6-20)	2	2
Steep (over 20%)	4	
DEFENSIBLE SPACE (around the majority of homes)		N/A
No trees, shrubs or tall grass within the 30 foot zone	0	
Well spaced trees and shrubs within the 30 foot zone	10	
Touching crowns or tall grass within the 30 foot zone	20	
DEFENSIBLE SPACE (around the majority of homes)		N/A
No un-thinned or unmanaged timber within the 100 foot zone	0	
Un-thinned or unmanaged timber within the 100 foot zone	5	
TOTAL SITE HAZARD RATING		24

SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

BUILDING CONSTRUCTION HAZARD RATING:	Rating
ROOFING MATERIALS	N/A
Greater than 75% of homes have metal, tile or class A asphalt or fiberglass shingles	0
50 to 75% of homes have metal, tile or class A asphalt or fiberglass shingles	10
Less than 50% of homes have metal, tile or class A asphalt or fiberglass shingles	15
SIDING / SOFFITS (EAVES)	N/A
Greater than 75% of homes have fire resistant siding and soffits	0
50 to 75% of homes have fire resistant siding and soffits	5
Less than 50% of homes have fire resistant siding and soffits	10
UNDER SKIRTING (If applicable) Raised Foundation	N/A
Greater than 75% of the homes have the equivalent of fine mesh screening underneath	0
50 to 75% of the homes have the equivalent of fine mesh screening underneath	5
Less than 50% of the homes have the equivalent of fine mesh screening underneath	10
DECKING	N/A
No decks	0
Decking enclosed , mesh screening around deck	5
Decks not enclosed , no mesh screening around deck	10
TOTAL BUILDING CONSTRUCTION HAZARD RATING	0

ADDITIONAL HAZARD FACTORS:	Rating
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FIRE CONTROL WATER SUPPLY	?
Pressurized hydrants with minimum 500 GPM spaced less than 1000 feet apart	0
Pressurized hydrants with less than 500 GPM or spaced more than 1000 feet apart	2
Dry Hydrant(s) available year round within the community	2
Other accessible sources within community	5
Water sources located within 4 road miles of community	7
No water sources in or within 4 miles of the community	15
ELECTRIC UTILITIES	N/A
Underground clearly marked	0
Underground not clearly marked	2
Overhead with adequate (at least 20 foot) right of way	2
Overhead with right of way un-maintained	5
GAS UTILITIES	N/A
Underground clearly marked	0
Underground not clearly marked	1
Above ground with 15 feet of brush clearance, greater than 30 feet from the homes	2
Above ground no brush clearance or within 30 feet of homes	5
UNDEVELOPED LOTS	
Less than 10% of lots have not been developed and pose an additional wildfire hazard due to lack of maintenance or restricted access.	0
10% to 50% of lots have not been developed...	3
51% to 75% of lots have not been developed...	5
Greater than 75% of lots have not been developed...	10

SOUTH WEST COMMUNITY WILDFIRE PROTECTION PLAN

COMMUNITY WILDFIRE HAZARD ASSESSMENT

SURROUNDING ENVIRONMENT			
Community is not surrounded by any large forested areas.	0		
Large forested area adjoins one side of the community.	5		
Large forested area adjoins 2 sides of the community.	10		
Large forested area adjoins 3 sides of the community.	15		15
Community is completely surrounded by large forested areas.	20		
VEGETATION (predominant type SURROUNDING the community) See pictures of each type			
Grass	%		
Mixture of grass and shrub, up to 50 percent shrub coverage	50%		
Shrub Fuel	%		
Trees with grass or shrubs mixed with litter from trees	%		
Tree litter, dead and down woody fuel litter beneath trees	50%		
Trees with debris from wind damage, snow damage, or tree trimming	%		
RISK LOCATION			
Community is located within designated Wildfire Risk Areas.			
Low	0		
Medium	10		
High	20		20
TOTAL ADDITIONAL HAZARD FACTORS			45