

## **Table of Contents**

Acronyms.....	i
<b>I. Executive Summary .....</b>	<b>1</b>
Problem Overview .....	1
Process Overview.....	1
Project Objective.....	3
Priority Projects Summary .....	4
Acknowledgements.....	5
<b>II. Introduction.....</b>	<b>1</b>
Background .....	1
Process Overview and Methodology/ Professional and Community Input Process .....	2
Planning Methodology .....	3
Fire and Fuel Risk Strategy and Mitigation Project Development Summary .....	4
<b>III. Planning Area Description .....</b>	<b>1</b>
Location/Geographic and Environmental Conditions .....	1
Topography/Soils/Elevation .....	3
Hydrology .....	3
Reeds Creek .....	3
Red Bank Creek .....	5
Elder Creek .....	6
Thomes Creek .....	7
Vegetation .....	8
Conifer-Dominated Habitats.....	8

Hardwood-Dominated Habitats .....	12
Shrub-Dominated Habitats .....	14
Riparian Habitats .....	15
Herbaceous-Dominated Habitats .....	15
Water/Aquatic Habitats .....	16
Threatened and Endangered Species .....	16
Demographics .....	17
Land Use and Development Trends .....	17
<b>IV. Assets At Risk From Wildfire .....</b>	<b>1</b>
Community Infrastructure Within The Tehama West Fire Plan	
Project Area .....	1
Roads.....	1
Business And Commercial Development .....	1
Cultural Resources .....	4
Air Quality .....	5
Overview Of Tehama County Fire Protection Organization .....	5
City of Red Bluff Fire Department .....	5
City of Corning Fire Department .....	6
Tehama County Fire Department.....	6
Gerber Fire Protection District .....	6
California Department of Forestry and Fire Protection .....	6
California Department of Forestry and Fire Protection/	
California Department of Corrections Salt Creek	
Conservation Camp.....	7
California Department of Corrections Alder Springs	
Conservation Camp.....	7
United States Forest Service .....	8
Bureau of Land Management .....	8
Interagency Approach to Fire Fighting in Tehama County .....	8
Community ISO Rating .....	9

<b>V. Fire Risk Environment .....</b>	<b>1</b>
Fire Behavior, A Combination Of Weather, Topography and Fuels .....	1
Fire Ecology and Fire History.....	3
Tehama County's Fire Shaped Ecosystems.....	3
Human-Wildland Interactions Within The Tehama West Fire Plan	
Project Area/The Wildland Urban Interface And Communities	
At Risk .....	6
The History Of Fire And Fuels Management in	
Western Tehama County.....	7
Overview Of The Fire Policies, Planning Efforts And	
Program Initiatives That Impact Fire And Fuels Management	
Within the Tehama West Fire Plan Project Area .....	8
Federal Wildland Fire Management Policy & Program Review .....	9
Western National Forest-A Cohesive Strategy .....	9
National Fire Plan .....	9
10 Year Comprehensive Strategy .....	12
Healthy Forest Initiative .....	12
Health Forest Restoration Act.....	13
Standards and Guidelines for Management of Habitats For	
Late Succession And Old Growth Forest Related Species Within	
The Range Of The Northern Spotted Owl And The Forest Wide Late	
Successional Reserve Assessment .....	13
Mendocino National Forest Wide Late Succesional	
Reserve Assessment.....	14
Federal Emergency Management Agency Disaster Mitigation	
Act of 2000 Multi-Hazard Mitigation Plan .....	15
California Fire Plan .....	15
Agency and Resource Management Entity Fire Planning Efforts .....	16
Mendocino National Forest Land And Resource Management Plan	
(LRMP) .....	16
Mendocino National Forest Fire Management Plan .....	24
Bureau of Land Management Redding Resource Management Plan .....	26
Bureau Of Land Management Redding Field Office Fire Plan .....	27
Community Wildfire Protection Plans.....	28
Tehama-Glenn Fire Safe Council .....	29
Fire Prevention Regulation and Enforcement .....	31

<b>VI. Mitigation Strategies For the Tehama West Fire Plan Area .....</b>	<b>1</b>
Desired Future Conditions .....	1
Fuels Reduction .....	1
Planning .....	1
Designation Of At-Risk Communities and Interface Areas .....	2
Infrastructure Improvements.....	2
Codes, Laws and Regulation.....	3
Environmental Benefits of Fire and Fuels Management Initiatives ....	3
Planning Units.....	3
Area Wide Fire and Fuels Management Initiatives That Impact the Tehama West Fire Plan Project Area .....	6
CDF Vegetation Management Program .....	7
California Department of Forestry and Fire Protection Tehama-Glenn Unit Fire Management Plan .....	10
Tehama County Resource Conservation District/Tehama-Glenn Fire Safe Council Tehama East Fire Plan .....	11
Zone Descriptions, Zone Projects and Project Participants .....	13
Zone 1 (Paskenta, Red Bluff, R-Ranch) .....	13
Sunflower CRMP (SCRMP).....	14
R-Ranch Tank Installation .....	17
Annual Maintenance/Improvement of Pellows Road .....	17
Eagle Peak Lookout .....	18
Fire Inspections .....	18
Zone 2 (Bowman, Dibble Creek, Lake California, and Wilcox).....	18
Lake California Fuels Reduction .....	20
Lake California Multi-Hazard Emergency Evacuation Plan .....	21
California Highway Patrol Cottonwood Scales Fuel Break.....	22
Highway 36 West Fuel Break .....	23
I-5 Fuel Break .....	24
Quail Ridge Water Storage Project .....	25
Zone 6 (Live Oak, West Red Bluff).....	26
Zone 9 (Flournoy, Henleyville, Rancho Tehama) .....	27
Rancho Tehama Water Tanks.....	28

Fire Inspections .....	29
Red Bluff Farms Inspections .....	30
 Federal Response Area West (FRA).....	30
Salt Log Chaparral Burning .....	31
Grindstone Chaparral Project.....	31
Valentine Ridge Fuel Break.....	31
Type Conversion Maintenance .....	31
Oak Ridge Wildlife Burn .....	31
 Local Responsibility Area.....	31
Rio Vista Tract.....	32
 Project Area Fire and Fuels Situation .....	32
Surface Fuels.....	32
Fuel Rank .....	32
Fire Threat.....	33
Condition Class .....	34
Fire Regime.....	34
Fire Rotation Interval Class .....	35
 Proposed Fire Risk Mitigation Strategies By Zone .....	36
Shaded FuelBreaks.....	37
Defensible Fuel Profile Zone (DFPZ).....	38
Roadside Clearings .....	38
 Environmental Review.....	39
National Environmental Policy Act (NEPA) .....	39
California Environmental Quality Act (CEQA) .....	40
CEQA Exemptions.....	40
Negative Declarations.....	40
Environmental Impact Reports (EIR) .....	41
Timber Harvest Plans (THP) .....	41
 Project Prioritization .....	42
Area Wide Planning Efforts Within Western Tehama County That Encompass All Zones .....	43
Fire Hazard Reduction Coordination With the Tehama County Public Works Department .....	43
Fire Hazard Reduction Coordination with PG&E .....	43
Shaded Fuelbreak Maintenance .....	43
Development of Sufficient Water Storage, Handling And Delivery Systems Throughout Western Tehama County .....	44

Review of Tehama County Building, Land Development And Zoning Codes .....	45
Fire Hydrants and Residential Fire Sprinklers.....	45
Tehama County Ordinance 1537 .....	45
County Land Division Standards .....	45
Preparation of Development Standards .....	46
Incorporate Fire Safe Principles Into County Land Use And Zoning Ordinances.....	46
Tehama County General Plan Safety Element Update .....	46
Elimination of Wood Shake Roofs Within the Portions Of Tehama County Classified as a High Fire Threat.....	46
Develop County Incentives for Fire Safe Landscaping .....	47
Public Outreach and Fire Safe Education .....	47
Preparation of a Western Glenn County Fire Plan.....	48
Creation Of A Tehama County Wide Fire Plan .....	49
Support of Tehama County Fire Districts And Departments.....	49
Formal Classification of Westside Communities as Federal Communities At Risk.....	49
Development of Volunteer Fire Safety Inspectors.....	52
Zone Specific Planning Efforts Within Western Tehema County .....	53
Zone 1 (Paskenta, Red Bluff, R-Ranch) .....	53
Construction Of An Access Road From Pettyjohn Road to State Route 36 .....	53
Classification of High Flat Road As A Wildland Urban Interface Area.....	53
Pellows Road Improvement And Maintenance .....	57
Mapping Of Secondary Ranch Roads And Development Of A Community Evacuation Plan.....	58
Improvements In Fire Fighting Infrastructure .....	58
Development Of Community Group .....	58
Zone 2 (Bowman, Dibble Creek, Lake California, and Wilcox) .....	58

Zone 6 (Live Oak, West Red Bluff).....	59
Extension of Pine Creek Road to State Route 36W .....	59
Zone 9 (Flournoy, Henleyville, Rancho Tehama) .....	59
Formal Classification Of Flournoy And Rancho Tehama As Federally Listed Communities At Risk.....	59
Rancho Tehama Community Description .....	59
Flournoy Community Description .....	63
Rancho Tehama Community Fire Safe Plan .....	65
Installation of Piping On 10,000 Gallon Water Tank At Yolo Court .....	65
Proposed Rancho Tehama Water Impoundment Site .....	66
Reconstruction of Glove Lake Dam and Repair of Adjacent Well and Pump Equipment.....	66
Installation of Pump At theYuba Road Water Tank .....	66
Repair of Pump and Piping Systems At Beaver Lake .....	66
Assessment of Boot, Border and Mule Containments .....	68
Formal Establishment Of Safety Zones .....	68
Traffic Congestion At Street Intersections .....	68
Rancho Tehama Community Fire Safe Council .....	69
<b>VII. Summary and Conclusion .....</b>	<b>1</b>
Analysis And Findings.....	1
Plan Update Process.....	2
Next Steps .....	3
<b>VIII. References .....</b>	<b>1</b>
<b>Appendix .....</b>	<b>1</b>
A. Major Stakeholders .....	1
B. Public Resources Code.....	3
C. California Government Code (51182).....	16

D. Title 14 California Code of Regulations (14CCR) .....	18
E. Assets At Risk .....	30
F. Fire Safety And Fire Preparedness .....	32
G. Glossary .....	41

## **Maps**

Map 1. Sub-Watershed Units Of The Tehama West Fire Plan Project Area .....	III-1
Map 2 Flood Hazard Zones Of The Tehama West Fire Plan Project Area.....	III-4
Map 3 Reeds Creek Watershed Area .....	III-5
Map 4 Red Bank Creek Watershed Area .....	III-6
Map 5 Elder Creek Watershed Area .....	III-7
Map 6 Thomes Creek Watershed Area.....	III-8
Map 7 General Vegetation Of The Tehama West Fire Plan Project Area.	III-10
Map 8 Major Transportation Routes Within The Tehama West Fire Plan Project Area .....	IV-3
Map 9 Proximity of County Roads To Areas Of Significant Fire Threat .	IV-4
Map 10 Generalized Precipitation Patterns.....	V-2
Map 11 California Department Of Forestry And Fire Protection Zones Within Tehama County .....	VI-5
Map 12 Surface Fuels Within The Tehama West Fire Plan Area.....	VI-33
Map 13 Fire Regimes Within The Tehama West Fire Plan Area .....	VI-35
Map 14 Fire Rotation Classes Within The Tehama West Fire Plan Area ....	VI-36

Map 15 Area Map Of High Flat/Dream Valley Road Area .....VI-55

Map 16 Street And Fire Fighting Infrastructure Map Of Rancho Tehama...VI-67

## Tables

Table 1 USGS 7.5 Minute Quadrangle .....III-2

Table 2 Land Ownership In The Tehama West Fire Plan Project Area .....III-2

Table 3 Vegetation Types (Calveg WHR) In The Tehama West Fire Plan  
Project Area Watershed .....III-11

Table 4 Habitat Types Within the Tehama West Watershed  
Harboring Rare Plant Species .....III-17

Table 5 Major Roads Within The Tehama West Fire Plan Project Area ....IV-2

Table 6 Summary Of Fire Facilities Within Western Tehama County .....IV-5

Table 7 Lookout Facilities Servicing The Tehama West Fire Plan Area ....IV-9

Table 8 ISO Ratings for Major Communities Within The Tehama West  
Fire Plan Project Area .....IV-9

Table 9 Fuel Model Types .....V-3

Table 10 Officially Recognized Communites At Risk Within Western  
Tehama County .....V-8

Table 11 Historic Fire Acreages By Decade.....V-8

Table 12 Characteristics Of CDF Zones .....VI-6

Table 13 Department Of Forestry And Fire Protection Vegetation  
Management Program Project Data 1979 to 2005 .....VI-8

Table 14 Tank Location And Size Requirements For Areas In Need  
Of Additional Fire Fighting Water Source .....VI-44

## **Charts**

Chart 1. Zone 1 (R Ranch/Paskenta) Fire Causes 1994-2004 .....VI-14

Chart 2. Zone 2 (Bowman/Lake California/Bend) Fire Causes  
1994-2004 .....VI-19

Chart 3. Zone 6 (Live Oak/West Red Bluff) fire Causes 1994-2004 .....VI-26

Chart 4. Zone 9 (Rancho Tehema/Flornoy) Fire Causes 1994-2004.....VI-27