

**Fire Protection Capability & Suppression Complexity Ranking**

FACTOR	CHARACTERISTIC	DESCRIPTION / RATING
<b>Fire Protection Capability and Suppression Complexity</b>		
CDF SRA Wildland Fire Protection	Total Square Miles of Compartment	614 sq. mi. (86% of compartment area)
	Population Protected	1,318 persons
	Households Protected	517 households
CDF SRA w/in Fire Related District Jurisdiction	Total Square Miles of Compartment	0 sq. mi. (0% of compartment area)
Federal Agency Wildland Fire Protection	Total Square Miles of Compartment	73 sq. mi. (10.6% of compartment area)
Initial Attack	30 + minutes	High
Suppression Complexity	Average	Moderate
<b>Fire Protection Capability and Suppression Complexity Rating</b>		<b>Moderate</b>

**Catastrophic Fire Potential**

FACTOR	CHARACTERISTIC	DESCRIPTION / RATING
Catastrophic Fire Potential	Catastrophic Fire Possible	<b>Moderate</b>

**Compartment 9: Main Eel Fire Planning Compartment**

**Fuel Hazard and Topography Ranking**

FACTOR	CHARACTERISTIC	DESCRIPTION / RATING
Fuel Model	Model G	Dense conifer, heavy litter accumulation, downed woody material
Flame Length	12 + feet	High
Crowning Potential	6 +	High
Slope	31 - 50 percent	Moderate
Aspect	South, West	High
Elevation	1,000 – 5,000 feet	High
<b>Fuel Hazard and Topography Rating</b>		<b>Moderate</b>

**Resource and Economic Asset Ranking**

FACTOR	CHARACTERISTIC	DESCRIPTION / RATING
Recreation	Undeveloped high recreation use	Moderate
Public Infrastructure	Few or no Public Infrastructure sites	Low
Wildlife/Fisheries	Highly significant habitat.	High
Range Use	Range allotment within area, normal/average use	Moderate
Watershed	Stream Class PI, I. Important water use/riparian area. Domestic water use.	High
Forest/Woodland	Standing forest/ woodland on 51+% of area	High
Forest Plantations	16 - 30% or less of area in or programmed for forest	Moderate

Humboldt County  
Master Fire Protection Plan

FACTOR	CHARACTERISTIC	DESCRIPTION / RATING
	plantations	
Threat to Structures	Threat to structures and property	Moderate
Cultural Resources	Archaeological/ historical findings, potential for Native American use.	Moderate
Special Interest Areas	Area is adjacent to a Special Interest area	Moderate
Visual Resources	Partially retain existing character.	Moderate
Threatened & Endangered Species	Species present.	High
Soils (Erosion Hazard Rating)	Erodable (EHR 4-12).	Moderate
Air Quality	Low receptor sensitivity	Low
Vegetation	Potential for sensitive plants.	Moderate

**Resource and Economic Assets Rating                      Low**

**Wildfire Ignition Risk Ranking**

Ignition Risk	Description
Population Density / Wildland Urban Interface	301 - 500 Dwellings/structures
Power Lines	Distribution Lines
Industrial Operations	Active timber sale
	Debris/slash burning
	Maintenance/service contracts
Recreation	Dispersed camping areas, party areas, hunters, water-based, hiking
	Off highway vehicle use
Flammables Present	Gas pumps or storage
Other	Dump
	Woodcutting area, power equipment
	Children with matches
	Shooting/target
	Government operations
	Cultural Activities
Railroads	Railroads are present
Transportation System	County road(s)
	Public Access Road(s)
Commercial Development	Camps, resorts, stables
	Business, agricultural/ranching

**Wildfire Ignition Risk Ranking      Low**

**Wildfire Ignition Data 10 Year Average 1993-2002**

Fire Planning Compartment	Average Annual Fires	Average Annual Acres Burned
9. Main Eel	6	117

**Wildfire Fire History Ranking      Low**

**Fire Protection Capability & Suppression Complexity Ranking**

<b>FACTOR</b>	<b>CHARACTERISTIC</b>	<b>DESCRIPTION / RATING</b>
<b>Fire Protection Capability and Suppression Complexity</b>		
CDF SRA Wildland Fire Protection	Total Square Miles of Compartment	267 sq. mi. (96% of compartment area)
	Population Protected	811 persons
	Households Protected	289 households
CDF SRA w/in Fire Related District Jurisdiction	Total Square Miles of Compartment	0 sq. mi. (0% of compartment area)
Federal Agency Wildland Fire Protection	Total Square Miles of Compartment	5 sq. mi. (2% of compartment area)
Initial Attack	30 + minutes	High
Suppression Complexity	Average	Moderate
<b>Fire Protection Capability and Suppression Complexity Rating</b>		<b>Moderate</b>

**Catastrophic Fire Potential**

<b>FACTOR</b>	<b>CHARACTERISTIC</b>	<b>DESCRIPTION / RATING</b>
Catastrophic Fire Potential	Catastrophic Fire Possible	<b>Moderate</b>

**Compartment 10: South Eel Fire Planning Compartment**

**Fuel Hazard and Topography Ranking**

<b>FACTOR</b>	<b>CHARACTERISTIC</b>	<b>DESCRIPTION / RATING</b>
Fuel Model	Model G	Dense conifer, heavy litter accumulation, downed woody material
Flame Length	12 + feet	High
Crowning Potential	6 +	High
Slope	31 – 50 percent	Moderate
Aspect	South, West	High
Elevation	1,000 – 5,000 feet	High
<b>Fuel Hazard and Topography Rating</b>		<b>Moderate</b>

**Resource and Economic Asset Ranking**

<b>FACTOR</b>	<b>CHARACTERISTIC</b>	<b>DESCRIPTION / RATING</b>
Recreation	Highly significant habitat.	High
Public Infrastructure	Few or no Public Infrastructure sites	Low
Wildlife/Fisheries	Stream Class PI, I. Important water use/riparian area. Domestic water use.	High
Range Use	Range allotment within area, normal/average use	Moderate
Watershed	Stream Class PI, I. Important water use/riparian area. Domestic water use.	High
Forest/Woodland	Standing forest/ woodland on 51+% of area	High
Forest Plantations	16 - 30% or less of area in or programmed for forest plantations	Moderate

Humboldt County  
Master Fire Protection Plan

<b>FACTOR</b>	<b>CHARACTERISTIC</b>	<b>DESCRIPTION / RATING</b>
Threat to Structures	High loss and threat potential due to numbers and placement	High
Cultural Resources	Archaeological/historical findings of high significance	High
Special Interest Areas	A majority of the area is classified as Special Interest area	High
Visual Resources	Preserve and retain existing character.	High
Threatened & Endangered Species	Species present.	High
Soils (Erosion Hazard Rating)	Erodable (EHR 4-12).	Moderate
Air Quality	Receptor sensitivity	Moderate
Vegetation	Potential for sensitive plants.	Moderate
<b>Resource and Economic Assets Rating</b>		<b>High</b>

**Wildfire Ignition Risk Ranking**

<b>Ignition Risk</b>	<b>Description</b>
Population Density / Wildland Urban Interface	1001 + Dwellings/structures
Power Lines	Distribution Lines
	Distribution Lines
Industrial Operations	Active timber sale
	Construction project
	Debris/slash burning
	Maintenance/service contracts
Recreation	Dispersed camping areas, party areas, hunters, water-based, hiking
	Developed camping
	Off highway vehicle use
Flammables Present	Gas pumps or storage
Other	Dump
	Woodcutting area, power equipment
	Children with matches
	Shooting/target
	Government operations
	Cultural Activities
Railroads	Railroads are present
Transportation System	State/Federal Highway(s)
	County road(s)
	Public Access Road(s)
Commercial Development	Camps, resorts, stables
	Business, agricultural/ranching
<b>Wildfire Ignition Risk Ranking High</b>	

**Wildfire Ignition Data 10 Year Average 1993-2002**

<b>Fire Planning Compartment</b>	<b>Average Annual Fires</b>	<b>Average Annual Acres Burned</b>

10. South Eel	41	85
<b>Wildfire Fire History Ranking High</b>		

**Fire Protection Capability & Suppression Complexity Ranking**

FACTOR	CHARACTERISTIC	DESCRIPTION / RATING
<b>Fire Protection Capability and Suppression Complexity</b>		
CDF SRA Wildland Fire Protection	Total Square Miles of Compartment	411 sq. mi. (99% of compartment area)
	Population Protected	6,817 persons
	Households Protected	2,775 households
CDF SRA w/in Fire Related District Jurisdiction	Total Square Miles of Compartment	4 sq. mi. (1% of compartment area)
Federal Agency Wildland Fire Protection	Total Square Miles of Compartment	0 sq. mi. (0% of compartment area)
Initial Attack	30 + minutes	High
Suppression Complexity	Complex	High
<b>Fire Protection Capability and Suppression Complexity Rating High</b>		

**Catastrophic Fire Potential**

FACTOR	CHARACTERISTIC	DESCRIPTION / RATING
Catastrophic Fire Potential	Catastrophic Fire Possible	High

**Compartment 11: Mattole Lost Coast Fire Planning Compartment**

**Fuel Hazard and Topography Ranking**

FACTOR	CHARACTERISTIC	DESCRIPTION / RATING
Fuel Model	Model G	Dense conifer, heavy litter accumulation, downed woody material
Flame Length	12 + feet	High
Crowning Potential	6 +	High
Slope	50 + percent	High
Aspect	South, West	High
Elevation	1,000 – 5,000 feet	High
<b>Fuel Hazard and Topography Rating High</b>		

**Resource and Economic Asset Ranking**

FACTOR	CHARACTERISTIC	DESCRIPTION / RATING
Recreation	Highly significant habitat.	High
Public Infrastructure	Few or no Public Infrastructure sites	Low
Wildlife/Fisheries	Stream Class PI, I. Important water use/riparian area. Domestic water use.	High
Range Use	Range allotment within area, significant use	High
Watershed	Stream Class PI, I. Important water use/riparian area. Domestic water use.	High

Humboldt County  
Master Fire Protection Plan

<b>FACTOR</b>	<b>CHARACTERISTIC</b>	<b>DESCRIPTION / RATING</b>
Forest/Woodland	Standing forest/ woodland on 51+% of area	High
Forest Plantations	16 - 30% or less of area in or programmed for forest plantations	Moderate
Threat to Structures	High loss and threat potential due to numbers and placement	High
Cultural Resources	Archaeological/ historical findings, potential for Native American use.	Moderate
Special Interest Areas	A majority of the area is classified as Special Interest area	High
Visual Resources	Preserve and retain existing character.	High
Threatened & Endangered Species	Species present.	High
Soils (Erosion Hazard Rating)	Highly erodable (EHR 13+).	High
Air Quality	Receptor sensitivity	Moderate
Vegetation	Potential for sensitive plants.	Moderate
<b>Resource and Economic Assets Rating</b>		<b>Moderate</b>

**Wildfire Ignition Risk Ranking**

<b>Ignition Risk</b>	<b>Description</b>
Population Density / Wildland Urban Interface	1001 + Dwellings/structures
Power Lines	Distribution Lines Sub Station
Industrial Operations	Active timber sale Construction project Debris/slash burning Maintenance/service contracts
Recreation	Dispersed camping areas, party areas, hunters, water-based, hiking Developed camping Off highway vehicle use
Flammables Present	Gas pumps or storage
Other	Dump Woodcutting area, power equipment Children with matches Shooting/target Government operations Cultural Activities
Railroads	Railroads are present
Transportation System	State/Federal Highway(s) County road(s) Public Access Road(s)
Commercial Development	Camps, resorts, stables

Appendix C: RAMS Risk/Hazard Rating Factors and Background Data by Compartment  
FSC Draft Plan

<b>Ignition Risk</b>	<b>Description</b>
	Business, agricultural/ranching
<b>Wildfire Ignition Risk Ranking High</b>	

**Wildfire Ignition Data 10 Year Average 1993-2002**

<b>Fire Planning Compartment</b>	<b>Average Annual Fires</b>	<b>Average Annual Acres Burned</b>
11. Mattole-Lost Coast	17	122
<b>Wildfire Fire History Ranking High</b>		

**Fire Protection Capability & Suppression Complexity Ranking**

<b>FACTOR</b>	<b>CHARACTERISTIC</b>	<b>DESCRIPTION / RATING</b>
<b>Fire Protection Capability and Suppression Complexity</b>		
CDF SRA Wildland Fire Protection	Total Square Miles of Compartment	437 sq. mi. (82% of compartment area)
	Population Protected	1,806 persons
	Households Protected	807 households
CDF SRA w/in Fire Related District Jurisdiction	Total Square Miles of Compartment	41 sq. mi. (8% of compartment area)
Federal Agency Wildland Fire Protection	Total Square Miles of Compartment	0 sq. mi. (0% of compartment area)
Initial Attack	30 + minutes	High
Suppression Complexity	Complex	High
<b>Fire Protection Capability and Suppression Complexity Rating High</b>		

**Catastrophic Fire Potential**

<b>FACTOR</b>	<b>CHARACTERISTIC</b>	<b>DESCRIPTION / RATING</b>
Catastrophic Fire Potential	Catastrophic Fire Possible	<b>High</b>