

**Fuel Treatment Type Suitability Analysis for Areas Adjacent To Plumas County Communities, July, 2004.**

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**DISCLAIMER:** The following analysis is based largely on large-scale satellite imagery, and is intended to provide a rough comparison between Plumas County communities.

The following table is a landscape-scale assessment of wildland-urban interface fuel treatment opportunities as constrained by the physical landscape and existing fuel conditions. While this table identifies the general type of fuels treatment project that may be best suited to each specific area, some of the treatments identified here may not be necessary to ensure firesafe conditions around the communities.

Fuels projects should be designed to mitigate predicted fire behavior for each community - as defined elsewhere in the "Plumas County Hazardous Fuel Assessment and Strategy". All fuels treatments should be implemented with the objective of raising the crown-base height (removal of fuel ladders) within the treated areas. Mechanical thinning projects should concentrate on the removal of trees less than 12" in diameter, and slash generated by harvesting operations must be removed or burned.

No actual projects are proposed nor are specific areas identified for logging. Fuels projects should be designed and supervised by individuals licensed as professional foresters by the State of California.

Not to be used without accompanying maps.

**TREATMENT TYPE DEFINITIONS**

**MECHANICAL THINNING**

Slopes less than 30% with timber vegetation as mapped by CDF fuels layer and canopy closure of greater than 60% as derived from LANDSAT imagery.

**HANDTHIN BRUSH**

Slopes of greater than 30% with brush vegetation as mapped by CDF fuels mapping.

**HANDTHIN DENSE STANDS**

Slopes of greater than 30% with timber vegetation as mapped by CDF fuels layer and canopy closure of greater than 60% as derived from LANDSAT imagery.

**BRUSH MASTICATION**

Slopes less than 30% with brush vegetation as mapped by CDF fuels layer.

**MASTICATION/MAINTENANCE OF THINNED STANDS**

Slopes less than 30% with timber vegetation as mapped by CDF fuels layer and canopy closure of less than 60% as derived from LANDSAT imagery.

**UNDERBURN/HANDPILE IN THINNED STANDS**

Slopes of greater than 30% with timber vegetation as mapped by CDF fuels layer and canopy closure of less than 60% as derived from LANDSAT imagery.

ACREAGE BY TREATMENT TYPE

Projects within 1/4 mile of Community

COMMUNITY	MECHANICAL THINNING	HANDTHIN BRUSH	HANDTHIN DENSE STANDS	BRUSH MASTICATION	MASTICATION/MAINTENANCE OF THINNED STANDS	UNDERBURN/HANDPILE IN THINNED STANDS	GRAND TOTAL
Almanor West	342.2		0.2	50.2	72.9	0.4	465.9
Almmanor Penninsula	817.0		42.2	76.7	284.7		1,220.6
Antelope Lake	500.2	5.0	66.2	20.3	334.4	19.9	946.0
Bailey Creek/Foxwood	729.3	3.3	66.4	332.5	389.8	4.1	1,525.5
Beckworth	4.1	2.7	12.0	831.3	106.5	91.1	1,047.6
Blairsden	302.9	119.4	95.6	428.2	185.5	24.4	1,156.0
Bucks Lake	1,458.6	87.1	494.1	139.5	99.2	11.2	2,289.7
Canyon Dam	372.6	0.2	9.8	123.1	19.6		525.2
Chandler Road	505.0	269.7	288.3	607.9	388.0	96.3	2,155.2
Chester	832.6		23.9	470.1	1,055.3	0.3	2,382.1
Clio	149.6	0.7	17.4	179.9	195.6	11.8	554.9
Crescent Mills	224.3	110.1	552.3	222.8	90.7	99.6	1,299.8
C-Road	512.9	77.4	85.7	345.9	374.8	57.4	1,454.1
Cutler Meadow	357.1	82.0	125.0	143.7	47.6	23.9	779.3
Delekker/Mabie	117.3				548.6	0.4	666.3
East Quincy	354.3	199.3	603.0	409.7	123.2	60.5	1,750.0
East Shore	584.4	56.2	311.5	37.3	186.9	46.7	1,222.9
Eureka Creek	503.0	20.6	123.1	144.6	19.4	7.1	817.8
Feather River Communities	458.8	1,123.6	1,743.1	284.0	155.5	157.3	3,922.3
Frenchman/Dixie	1,295.6	100.1	165.8	266.2	1,040.2	76.3	2,944.3
Genesee	691.7	377.4	1,113.4	688.2	227.8	80.7	3,179.2
Gold Mountain/A15	414.5	58.3	81.9	418.2	1,038.5	44.0	2,055.3
Greenhorn Ranch	606.2	22.5	147.6	109.5	100.6	22.4	1,009.0
Greenville	1,794.2	168.9	1,171.9	837.2	296.9	45.8	4,315.0
Grizzly Creek/Lake Davis	192.8	133.0	100.7	118.8	601.1	144.6	1,291.1
Hamilton Branch	412.6	4.2	50.3	22.5	105.3	3.3	598.3
Indian Falls	92.9	186.2	385.3	82.9	38.9	46.9	833.1
Indian Valley	972.7	1,061.9	1,206.0	802.8	288.8	214.9	4,547.2
Keddie Butterfly	732.2	130.2	444.7	115.7	99.5	58.6	1,580.9
La Porte/Little Grass Valley	1,641.4	199.6	637.6	272.1	200.0	62.3	3,013.0
Long Valley	1,014.5	263.3	730.7	1,143.5	323.1	77.9	3,553.0
Massack/Spring Garden	317.9	130.0	342.3	296.3	109.2	19.6	1,215.3
Meadow Valley	1,240.8	110.5	789.4	311.4	225.7	69.2	2,747.0
Mohawk Valley/Graeagle	1,203.0	78.4	220.9	842.2	612.5	28.1	2,985.1
Plumas Eureka Estates	354.0	0.6	42.8	89.8	170.3	6.9	664.4
Portola	64.1	5.0	67.5	52.9	380.5	34.5	604.4

Prattville	686.7		0.3	56.0	76.4		819.3
Quincy	784.6	405.4	939.4	388.4	282.4	221.3	3,021.6
Sulphur Creek	481.3	7.9	123.8	159.8	110.8	5.2	888.8
Taylorville	366.6	79.9	826.0	263.2	90.4	20.3	1,646.3
Valley Ranch	90.1	21.0	23.6	233.1	179.2	20.9	568.0
Vinton/Chilcoat		51.7	1.7	28.3	0.1	4.1	85.9
Warner Valley/Drakesbad	938.2	55.0	367.2	122.7	176.4	21.4	1,680.9
Whitehawk	303.1	4.0	33.3	238.8	245.3	6.5	830.9
Willow Creek Homesites	619.7	1.2	158.1		59.3	8.7	847.0
<b>Grand Total</b>	<b>26,437.8</b>	<b>5,813.5</b>	<b>14,832.1</b>	<b>12,807.9</b>	<b>11,757.4</b>	<b>2,057.0</b>	<b>73,705.7</b>

Projects between 1/4 mile and 1/2 from Community

ACREAGE BY TREATMENT TYPE

COMMUNITY	MECHANICAL THINNING	HANDTHIN BRUSH	HANDTHIN DENSE STANDS	BRUSH MASTICATION	MASTICATION/MAINTENANCE OF THINNED STANDS	UNDERBURN/HANDPILE IN THINNED STANDS	GRAND TOTAL
Almanor West	483.6		0.5	20.5	45.1		549.6
Almanor Peninsula	582.5		27.8	129.5	231.6		971.4
Antelope Lake	545.6	75.8	329.2	57.7	314.2	68.1	1,390.6
Bailey Creek/Foxwood	788.3	1.4	23.4	260.0	188.7	0.2	1,262.0
Beckworth	22.1	7.2	45.0	830.5	180.7	37.7	1,123.3
Blairsdon	301.1	120.8	141.7	325.9	209.4	39.3	1,138.2
Bucks Lake	1,573.0	43.8	730.5	121.0	109.0	7.4	2,584.8
Canyon Dam	445.3	2.5	46.2	137.6	22.1	3.5	657.3
Chandler Road	405.7	338.0	371.7	502.9	287.1	97.6	2,003.1
Chester	1,060.8	0.9	36.3	228.2	497.7	0.7	1,824.6
Clio	265.9		14.3	264.6	272.6	9.9	827.3
Crescent Mills	323.0	139.2	766.3	105.6	52.4	68.5	1,455.1
C-Road	376.7	78.6	78.8	378.3	283.3	27.6	1,223.3
Cutler Meadow	466.1	165.8	230.1	136.1	51.0	50.1	1,099.2
Delekker/Mabie	125.8		4.3	3.9	664.0	0.7	798.7
East Quincy	266.4	135.3	683.2	253.3	67.2	55.6	1,461.0
East Shore	555.7	21.4	400.1	76.6	97.4	34.7	1,186.0
Eureka Creek	682.5	21.7	153.5	124.1	29.3	5.1	1,016.2
Feather River Communities	284.1	1,501.1	2,327.0	141.5	48.0	258.2	4,559.9
Frenchman/Dixie	1,253.5	274.9	272.0	318.0	993.2	175.8	3,287.4
Genesee	834.0	601.8	2,129.7	544.4	261.4	102.1	4,473.6
Gold Mountain/A15	383.7	28.5	56.1	276.5	628.3	25.2	1,398.2
Greenhorn Ranch	715.6	44.1	281.7	110.3	38.8	10.3	1,200.8
Greenville	1,129.6	282.7	1,103.3	670.3	158.1	48.9	3,392.9
Grizzly Creek/Lake Davis	254.3	176.6	71.6	204.1	384.1	39.8	1,130.4
Hamilton Branch	337.2	68.4	82.6	54.2	80.3	3.1	625.9
Indian Falls	92.6	249.0	609.6	82.4	17.9	45.2	1,096.7
Indian Valley	529.2	1,212.4	1,647.8	483.3	200.5	178.7	4,251.9
Keddie Butterfly	700.9	151.9	558.3	201.5	69.6	76.0	1,758.3
La Porte/Little Grass Valley	1,831.9	141.7	839.9	298.0	105.5	45.4	3,262.3
Long Valley	1,112.1	293.8	1,058.5	589.9	179.4	101.2	3,334.9
Massack/Spring Garden	496.4	236.8	523.4	337.7	110.0	43.3	1,747.6
Meadow Valley	1,491.4	302.2	958.6	299.3	155.7	100.8	3,308.0
Mohawk Valley/Graeagle	1,255.3	67.6	261.3	396.2	323.4	30.0	2,333.8
Plumas Eureka Estates	496.6	28.3	93.6	149.6	88.0	11.2	867.3
Portola	53.2	58.9	47.1	88.3	379.0	65.8	692.2
Prattville	884.9	0.9	84.8	47.0	83.0	1.2	1,101.7
Quincy	741.9	341.1	897.1	475.7	224.0	126.8	2,806.7
Sulphur Creek	232.6	23.2	262.1	238.1	106.5	2.2	864.8
Taylorville	406.1	192.9	971.5	147.5	38.4	67.3	1,823.8
Valley Ranch	61.6	44.1	35.7	210.4	182.1	30.1	564.1
Vinton/Chilcoat		33.7	4.9	22.3	0.8	7.2	68.9
Warner Valley/Drakesbad	1,117.1	56.7	650.3	90.9	150.4	49.9	2,115.3
Whitehawk	243.7	29.9	149.2	155.7	114.7	7.0	700.2
Willow Creek Homesites	692.5	15.9	189.0	15.0	139.4	16.4	1,068.3
<b>Grand Total</b>	<b>26,902.1</b>	<b>7,611.6</b>	<b>20,249.8</b>	<b>10,604.4</b>	<b>8,863.2</b>	<b>2,176.0</b>	<b>76,407.1</b>

Projects within Community Boundary (Interior)

ACREAGE BY TREATMENT TYPE

COMMUNITY	MECHANICAL THINNING	HANDTHIN BRUSH	HANDTHIN DENSE STANDS	BRUSH MASTICATION	MASTICATION/MAINTENANCE OF THINNED STANDS	UNDERBURN/HANDPILE IN THINNED STANDS	GRAND TOTAL
Almanor West	311.7		16.7	34.5	194.2	3.5	602.8
Almmanor Penninsula	756.9	0.9	86.5	93.4	442.3	7.0	1,435.5
Antelope Lake	177.2		1.3		66.4	0.4	329.0
Bailey Creek/Foxwood	99.7	0.0	3.7	131.5	243.0	0.3	480.8
Beckworth		0.1	0.2	82.6	22.6	15.7	652.0
Blairsden	71.9	18.5	10.1	51.6	39.4	4.3	217.2
Bucks Lake	341.7	1.2	10.2	16.4	30.4	2.7	433.4
Canyon Dam	39.3		0.7	20.2	8.0	0.2	83.7
Chandler Road	183.2	46.5	41.7	405.4	248.7	26.9	1,891.9
Chester	100.7		1.4	205.4	291.8	0.0	1,026.7
Clio	17.6	0.6	4.1	49.0	89.0	15.8	264.2
Crescent Mills	42.3	27.6	44.5	157.6	32.2	5.7	543.5
C-Road	778.5	21.4	59.2	65.5	449.2	24.0	1,658.4
Cutler Meadow	55.7	9.2	6.2	15.8	9.8		96.7
Delekker/Mabie	45.4				216.3		797.9
East Quincy	209.7	31.7	74.3	190.1	220.8	24.8	1,216.6
East Shore	282.5	8.8	34.5	15.4	145.2	7.3	539.4
Eureka Creek	386.8	4.7	51.0	165.1	8.9	0.4	617.0
Feather River Communities	156.4	102.9	109.0	84.8	66.0	25.3	664.7
Frenchman/Dixie	282.8	3.6	7.4	27.6	228.3	9.2	1,689.7
Genesee	89.7	48.5	67.7	228.2	56.5	4.8	579.3
Gold Mountain/A15	79.2	42.8	20.6	351.1	602.5	18.0	1,951.7
Greenhorn Ranch	116.3	7.0	23.2	48.9	42.3	3.7	249.9
Greenville	519.5	31.7	152.7	531.8	227.8	14.3	2,050.0
Grizzly Creek/Lake Davis	74.0	5.5	11.1	25.5	315.8	23.8	1,895.9
Hamilton Branch	99.5	0.2	1.5	90.9	105.2	0.5	298.8
Indian Falls	38.6	38.8	41.7	15.8	15.6	8.7	165.5
Indian Valley	299.9	107.0	115.7	347.0	147.8	38.1	1,577.9
Keddie Butterfly	115.9	11.3	39.4	45.8	54.8	19.6	327.6
La Porte/Little Grass Valley	437.3	23.7	51.5	104.6	82.5	22.2	731.7
Long Valley	227.7	12.7	40.8	431.3	99.9	8.9	957.4
Massack/Spring Garden	11.3	1.8	11.5	50.8	6.8	0.6	87.2
Meadow Valley	211.5	5.0	48.6	132.7	143.7	6.0	705.3
Mohawk Valley/Graeagle	276.0	9.2	17.9	316.8	344.4	1.9	1,116.0
Plumas Eureka Estates	82.1	1.0	1.0	74.9	144.0	0.0	354.5
Portola	15.0		2.1	17.4	287.7	2.8	1,437.6
Prattville	95.2			9.5	19.6		125.4
Quincy	130.3	80.9	113.5	83.0	153.4	41.1	1,275.4
Sulphur Creek	147.7	8.7	53.2	35.9	30.7	0.2	327.2
Taylorville	98.0	20.3	107.5	217.0	69.0	3.7	802.8
Valley Ranch	18.6	0.4	2.0	222.8	61.4	0.7	345.2
Vinton/Chilcoot		1.6		0.1			1,256.7
Warner Valley/Drakesbad	215.7	0.8	11.8	9.8	24.6	1.5	276.5
Whitehawk	54.4		0.2	46.2	154.1		304.1
Willow Creek Homesites	46.3		0.4		1.7	0.0	57.0
<b>Grand Total</b>	<b>7,840.0</b>	<b>736.6</b>	<b>1,498.3</b>	<b>5,249.5</b>	<b>6,244.2</b>	<b>394.7</b>	<b>34,497.6</b>