2016
SHASTA COUNTY
COMMUNITY WILDFIRE PROTECTION PLAN

LAKEHEAD
PLANNING AREA

Covering the communities of:

- Delta
- Gibson
- Gilman Road
- Gregory Creek
- Highland Lakes
- Lakehead
- Lakeshore
- Lakeview
- LaMoine
- Northwoods
- O'Brien Mountain
- Skyline Drive
- Statton
- Sugarloaf
- Vollmers

Picture courtesy of Lee Delaney
LAKEHEAD PLANNING AREA
(2016)

I. PROPOSED PROJECTS

A. THE PLANNING AREA

The planning area covers about 500 square miles or approximately 320,000 acres, 26 miles north of Redding, California. Access to the area is via Interstate 5, Shasta Lake, and several Forest Service roads. The communities within the Lakehead Planning Area include: Gregory Creek, Obrien Mountain, Northwoods, LaMoine, Vollmers, Delta, Lakehead, Lakeshore, Statton, Skyline Drive, Lakeview, Sugarloaf, Gibson, Highland Lakes, and Gilman Road area. The area has a population of about 1618 permanent residents (Sperling’ Best Places, 2009), and about 256 seasonal/recreational residences spread throughout the Planning Area. With the presence of Shasta Lake National Recreation Area (NRA), the area is heavily used for recreation. Land ownership is 56% public and 44% private.

The topography of the area is steep, with elevations from 1,065 to 5,613 feet, draining into Upper Sacramento River and McCloud River and eventually flowing into Shasta Lake. The area has remained relatively undeveloped over time and provides high quality water for the Central Valley Project, which supplies water throughout the state. Generally, the climate of the Lakehead FSC Area is seasonal and varies with elevation. The summers are hot and dry and winters are cool with moderate rainfall, and snow above 4,000 feet elevation. The average annual precipitation in the Sacramento River Basin varies from a low of 30 inches north of Mount Shasta City, to a high of 80 inches near High Mountain.

B. PROJECT PRIORITIES

The identified fuel reduction projects fall into two categories:

1. defensible space for homes and structures, and
2. roadside and ridgeline shaded fuelbreaks intended to create safe ingress and egress for fire personnel and escape routes for residents.

Projects were prioritized based on need and factors such as the following:

- Protection of private residences and properties;
- Access or escape route for the public and fire suppression forces;
- Identification of staging areas in conjunction with the fuelbreak development to provide fire suppression forces strategic locations for planning fire management and suppression actions.
- Connections to other fuelbreaks or areas of lower risk.

Landowners and residents are strongly encouraged to develop defensible space or maintain the fuels reduction projects on their properties to keep the integrity of the work done and to show project sustainability which could lead to additional future projects.
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1 Proposed projects are numbered on the map according to priority.
2 Estimated costs of the projects are for planning purposes only. More accurate costs will be determined for the preparation of project proposals.
#1 – Lakeshore Drive

- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near Lakeshore Drive.
6.5 miles long x 200 feet across = 157 acres.

\[\begin{array}{|c|c|}
\hline
\text{Estimated cost of fuelbreak} & \$5,220 \text{ per acre} \\
\text{(roadside)} & \\
\hline
\text{Estimated cost of fuelbreak} & \$7,310 \text{ per acre} \\
\text{ (ridgetop or off-road)} & \\
\hline
\text{Estimated cost of defensible space} & \$600 \text{ per dwelling (<1 acre)} \\
\text{(hand labor)} & \\
\hline
\text{Standard fuelbreak width} & 200 \text{ feet} \\
\hline
\text{Population} & 2.6 \text{ per dwelling} \\
\hline
\text{Property Value (\$201,250 - \$475,000 per dwelling)} & \$260,000 \\
\hline
\text{Schools} & \$145,000,000 \\
\hline
\text{Commercial Structures Value} & \$415,500 – \$23,900,000 \\
\text{(2010)} & \\
\hline
\text{Power line} & \$250,000/mile \\
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\end{array}\]

\[\text{Vegetation along Lakeshore Drive north of the Antlers freeway exit}\]
#2 – Northwoods
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain; and
- Provides emergency ingress/egress;

Proposed Solution:
Construct shaded fuelbreak near the Northwoods.
1.2 miles long x 200 feet across = 29 acres.

#3 – Dog Creek
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreak near Lakeshore Drive.
3.1 miles long x 200 feet across = 75 acres.

#4 – Lakeside Woods Subdivision
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/egress; and
- Protects residential and commercial properties.

Proposed Solution:
Maintain shaded fuelbreak near the Lakeside Woods Subdivision.
0.5 miles long x 200 feet across = 12 acres.

#5 – Slate Creek
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near Slate Creek.
1.6 miles long x 200 feet across = 39 acres.
#6 – Old Mill Road
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near Old Mill Road.
2.9 miles long x 200 feet across = 70 acres.

#7 – Waterman Road
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near Waterman Road.
0.7 miles long x 200 feet across = 17 acres.

#8 – Sims Road
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near Sims Road.
3.1 miles long x 200 feet across = 75 acres.
#9 – Lakehead-Riverview Drive

- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near Lakehead-Riverview Drive.
0.8 miles long x 200 feet across = 19 acres.

#10 – Skyline Subdivision

- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near the Skyline Subdivision.
5.4 miles long x 200 feet across = 131 acres.

#11 – Holiday Harbor

- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near the Holiday Harbor marina.
1.9 miles long x 200 feet across = 46 acres.
#12 – Packers Bay
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreak near the Packers Bay marina.
0.7 miles long x 200 feet across = 17 acres.

#13 – Gregory Creek Drainage
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Maintain shaded fuelbreaks near the Gregory Creek Drainage.
4.8 miles long x 200 feet across = 116 acres.
#14 – O’Brien Mountain Estates
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Maintain shaded fuelbreaks near the O’Brien Mountain Estates subdivision.
8.6 miles long x 200 feet across = 208 acres.

#15 – Lower Salt Creek Road
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Maintain shaded fuelbreaks near Lower Salt Creek Road and Kamloop Road.
1.2 miles long x 200 feet across = 29 acres.

#16 – Snowbird Lane
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct a shaded fuelbreak on and/or near Snowbird Lane, possibly along the ridge to the south.
0.5 miles long x 200 feet across = 12 acres.
#17 – Gilman Road
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Will need cooperative efforts between SPI, STNF, Shasta County Public Works, and private landowners.
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Clear right-of-way along Gilman Road to Hirz Mountain Lookout Road and McCloud Bridge. 16.0 miles long x 50 feet across = 97 acres.

#18 – Top of the Hill Road
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Maintain shaded fuelbreak near Top of the Hill Road and Gilman Road. 0.4 miles long x 200 feet across = 10 acres.

#19 – Statton Road
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Maintain shaded fuelbreaks near Statton Road. 1.4 miles long x 200 feet across = 34 acres.
#20 – Pollard Flat
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near Pollard Flat.  
1.0 miles long x 200 feet across = 24 acres.

#21 – Lakeview Heights
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near Lakeview Drive.  
0.7 miles long x 200 feet across = 17 acres.

#22 – Delta/Vollmers
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near the areas of Delta and Volmers.  
1.1 miles long x 200 feet across = 27 acres.

#23 – Hirz Mountain Lookout Road
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near Hirz Mountain Road.  
2.5 miles long x 200 feet across = 61 acres.
#24 – Shasta Marina
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near Shasta Marina.
0.4 miles long x 200 feet across = 10 acres.

#25 – Gibson Road
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near Gibson Road.
2.6 miles long x 200 feet across = 63 acres.

#26 – Sugarloaf Subdivision
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near the Sugarloaf subdivision.
2.1 miles long x 200 feet across = 51 acres.

#27 – Highland Lakes
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Construct shaded fuelbreaks near Highland Lakes.
3.2 miles long x 200 feet across = 78 acres.
#28 – Sugarloaf NE Ridge
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Maintain fuelbreak along the northeast ridge of Sugarloaf Summit.
1.2 miles long x 200 feet across = 29 acres.

#29 – Sugarloaf Lookout Road
- Vulnerable to wind-driven wildfires, dense fuels, and steep terrain;
- Provides emergency ingress/ egress; and
- Protects residential and commercial properties.

Proposed Solution:
Maintain fuelbreak near Sugarloaf Lookout Road.
0.4 miles long x 200 feet across = 10 acres.
### II. COMMUNITY PRIORITIES

#### A. OVERALL COMMUNITY WILDFIRE RISK ASSESSMENT

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<th>Map Number</th>
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### B. OVERALL COMMUNITY HAZARD REDUCTION ASSESSMENT (continued)

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III. COMMUNITY PRIORITIES

RESIDENCES AND MAJOR STRUCTURES

About 704 homes and 256 vacation/recreation homes make up the communities of Lakeshore, Lakehead, Delta, Pollard Flat, Vollmers, LaMoine, the Gilman Road neighborhood, and surrounding area. Major structures include stores, post office, motels, school, resorts and marinas. The winter population is 1,618 residents, but in summer the population can swell to three times this number of people (personal communication with local business leaders).
MAPS OF LAKEHEAD PLANNING AREA

1. LAKEHEAD PROPOSED PROJECTS AND PLANNING AREA
2. FIRE SEVERITY RATING
3. VEGETATION
4. SPECIAL STATUS SPECIES AND HABITAT
Legend
Projects
- Proposed
- Complete

Lakehead CWPP Fuels Projects

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MAP 2
LAKEHEAD FIRE SEVERITY RATING

Legend
- Planning Area
- High Fire Severity Rating
- Interstate
- LOCAL

VERY HIGH FIRE HAZARD SEVERITY ZONE
as Recommended by CAL FIRE
SPECIAL STATUS WILDLIFE AND PLANT SPECIES AND UNIQUE HABITATS

Legend

- American peregrine falcon
- California wolverine
- Cantelow's lewisia
- Cascade grass-of-Parnassus
- Heckner's lewisia
- Klamath manzanita
- Pacific fisher
- Pacific tailed frog
- Scott Mountain phacelia
- Scott Mountains fawn lily
- Shasta ageratina
- Shasta salamander
- Shasta snow-wreath
- bald eagle
- foothill yellow-legged frog
- marbled wild-ginger
- northern clarkia
- northern goshawk
- osprey
- thread-leaved beardtongue
- water bulrush
- western pond turtle

Shasta Lake
Trinity County
Shasta County

MAP 4

0 2.5 5 7.5 10 Miles

Western Shasta Resource Conservation District
Department Name: Shasta County Board of Supervisors
Agreement Number: FAF-040020
Dollar Amount: $53,500