

## VIII. Madera-Mariposa-Merced Unit Battalion Fire Prevention Plans



Emascination Equipment on the Stumpfield-Watt Fuel Break

**Battalion 4211 Fire Management Plan  
Year 2009  
Battalion Chief Steve Leonard**

**Overview**

Areas in Battalion One that have communities at risk include the Greeley Hill area, Coulterville area and Hunters Valley area. The influencing factors involve housing density, timber, fire history, range and fuel hazard ratings. Past large fires include the Creek Fire in 2001, multiple Hunter Fires and the Telegraph Fire. In July and August of 2008 the Telegraph Fire burned 34,091 acres mainly in the Merced River drainage of Mariposa County. Fuel breaks were identified and used in the suppression planning and protection phase of the fire. Established fuel break south of Greeley Hill ( Bandarita Fuel Break) were used as a defense system on contingency maps and helped prove the value of preplanning strategic fuel breaks in this case protecting the community of Greeley Hill as well as Yosemite National Park. The historic ignitions are difficult to manage; therefore, the emphasis of efforts will involve fuel management activities and protection of asset exposures.

**Objectives**

1. Support the Southwest Interface Team (SWIFT) and Mariposa Fire Safe Council on current and future fuels treatment projects and public outreach.
2. Complete current projects and identify future projects.
3. Maintain an aggressive LE-100 program within the battalion.
4. Support local and unit fire prevention activities.

**Accomplishing the Objectives**

1. Designate personnel to provide winter time support for ongoing fuels treatment projects being conducted within the battalion.
2. Educate the community within the battalion on proper fire hazard reduction through face to face contact during annual LE-100 inspections.
3. Participate with local stakeholders in annual community public education events.
4. Provide monthly statistics to fire prevention on activities.

**Current Projects**

**Greeley Hill VMP**

Vegetation Management Project, prescribed burn of approximately 1600 acres. The project is a high priority to reduced the threat of a devastating wildland fire to the community of Greeley Hill. Cal Fire Mt. Bullion CDC Crews are actively working on enlarging the Ponderosa Fuelbreak on the east side of the project. Hand crews are establishing control lines on the north side of the project isolating the two steep drainages as separate smaller burn units. A possible project burn may occur in the fall of 2010 or 2011.

### **Ponderosa Fuelbreak**

There are four specific sections of the fuel break within the Ponderosa system. The fuel break is approximately 26 miles in length. Two Sections are in MMU.

#### **(Greeley Hill Section)**

From Tuolumne/Mariposa County line south and easterly to County Road J132 (Smith Station Road). Approximately 5 miles of shaded fuel break which needs field review based on maintenance needs. Periodic work is being completed by Cal Fire CDC Crews from Mt. Bullion.

#### **(Bandarita Section)**

From County Road J132 south and easterly to the North Fork of the Merced River. It is approximately 9 miles in length with about two miles needing construction. From the Date Flat area to the east above the North Fork of the Merced River.

### **Wagner Ridge Fuel Break**

Portions of this established fuel break to the south and southeast of Hells Hollow requires maintenance.

### **Buckhorn and Timbrush Fuelbreak**

On going Mariposa Fire Safe Council project coordinating with Bureau of Land Management, Forest Service and Cal Fire. Fuel break project to establish, improve and maintain established fire defense system that were constructed or reopened by the Telegraph Fire in 2008.

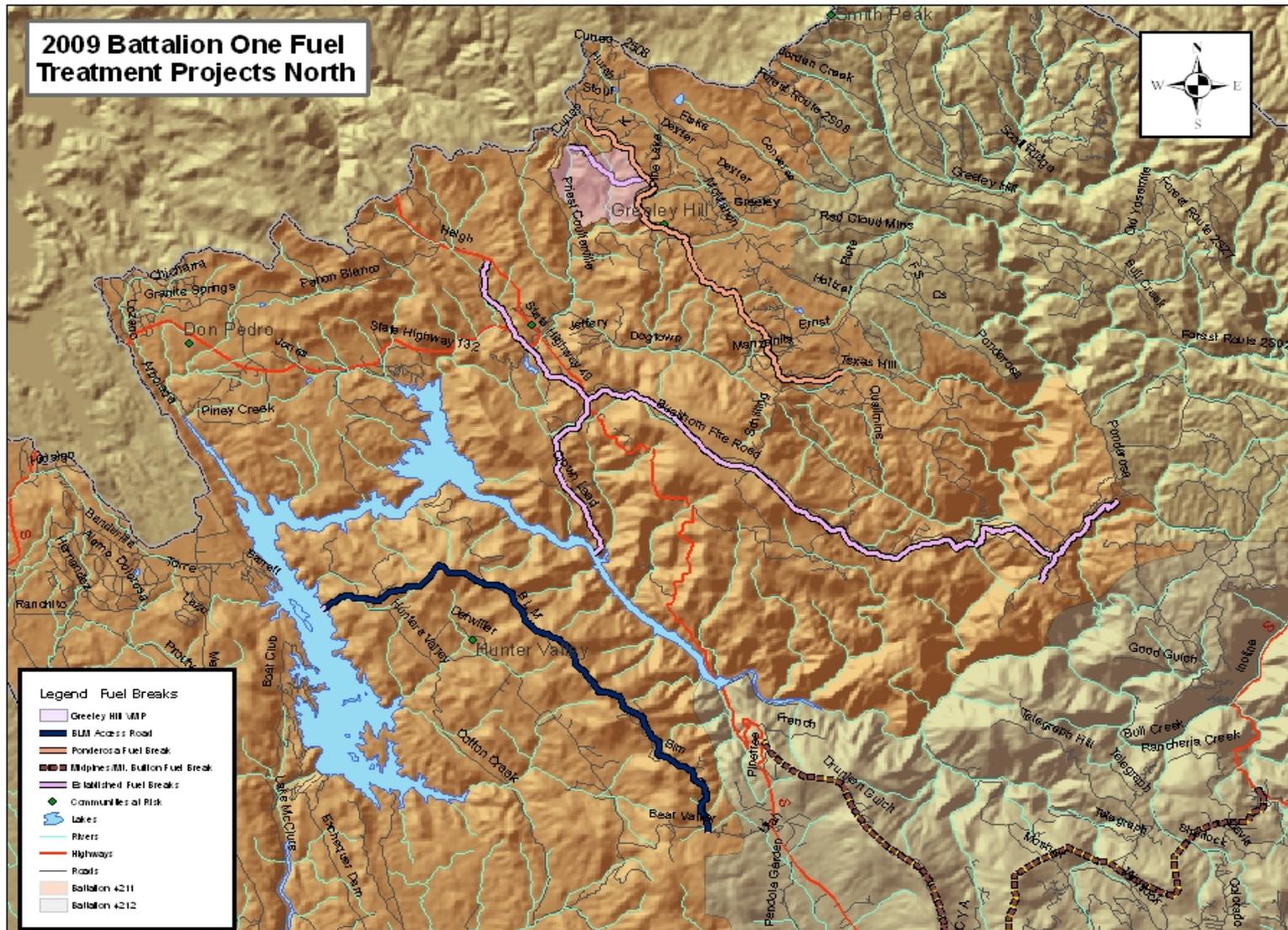


Figure 38 – Battalion One (4211) Fuel Treatment Projects

**Battalion 4212 Fire Management Plan  
Year 2009  
Battalion Chief Kevin Smith**

**Overview**

Areas in Battalion 12 that have communities at risk include Ponderosa Basin, the Woodland, Bootjack area, the Midpines area and the Mariposa area. The influencing factors involved housing density, timber, fire history, range and fuel hazard ratings. Most of MMU's large damaging fires have originated within these areas. The fires that start in these areas immediately threaten high value/ high-risk exposures. The historic ignitions are difficult to manage; therefore, the emphasis of efforts will involve fuel management activities and protection of asset exposures.

**Objectives**

1. Support the Mariposa Fire Safe Council on current and future fuels treatment projects and public outreach.
2. Complete current projects and identify future targets.
3. Maintain an aggressive LE-100 program within target areas.
4. Support local and unit fire prevention activities.

**Accomplishing the Objectives**

1. Designate personnel to provide winter time support for ongoing fuels treatment projects being conducted within the battalion.
2. Educate the community within the battalion on proper fire hazard reduction through face to face contact during annual LE-100 inspections.
3. Participate with local stakeholders in annual community public education events.
4. Provide monthly statistics to fire prevention on activities.

**Current Projects**

**Stumpfield Road Fuel Break**

- A 6 Mile long, 300 feet wide shaded fuel break along Stumpfield Mountain Road South of Mariposa adjacent to the Chowchilla River Drainage.
- Facilitated by the Mariposa Fire Safe Council through funding from Prop 40 Community Action Grant.
- Environmental Compliance review was conducted in spring 2007 and 2008.
- Project was started during spring of 2008 with emastication equipment working in specific areas that were considered suitable for mechanized equipment.
- Private hand crews were used to identify and create buffers around endangered elderberry bushes. These crews also achieved fuel reduction in the sensitive riparian areas.
- Project was temporarily stopped due to a Proposition 40 funding freeze by the State of California.
- Funding Restored Fall of 2009.
- Project restarted October 2009 using Cal Fire CDC hand crews.

### **Watt Road Fuel Break**

- A 1.5 Mile long, 300 feet wide shaded fuel break along Watt Road South of Mariposa and East of the Stumpfield Mountain Road fuels treatment area, adjacent to the Chowchilla River Drainage.
- Facilitated by the Mariposa Fire Safe Council through funding by Prop 40 Community Action Grant. Environmental Compliance review was conducted in spring 2007 and 2008.
- Project was started during spring of 2008 with emastication equipment working in specific areas that were considered suitable for mechanized equipment.
- Private hand crews were used to identify and create buffers around endangered elderberry bushes. These crews also achieved fuel reduction in the sensitive riparian areas.
- Project was temporarily stopped due to a Proposition 40 funding freeze by the State of California.
- Funding Restored Fall of 2009.
- Project restarted October 2009 using Cal Fire CDC hand crews.

### **Lushmeadows Fuel Break**

- A 5 mile long, 300 feet wide shaded fuel break starting at Clouds Rest area of the Lushmeadows Subdivision following the ridge line and ending at Tip Top Road and highway 49. The project will protect the communities of Lushmeadows, Usona, and Ponderosa Basin.
- Facilitated by the Mariposa Fire Safe Council through funding by Prop 40 Community Action Grant. Environmental Compliance review is being conducted in fall of 2009.
- Project will begin during spring of 2010 with mastication equipment working in specific areas that were considered suitable for mechanized equipment.
- Cal Fire CDC hand crews will be used to establish the 300 foot shaded fuel break in areas unsuitable for mastication equipment. These crews will establish the desired fuel reduction in the sensitive riparian areas and in steep terrain.

### **Grist Fire Road**

- Improvement of existing fire road that runs 2.5 miles along Grist Road, south of Mariposa.
- Facilitated by local property owners working in conjunction with battalion personnel and Cal Fire Sacramento.
- Project is approximately 60% complete with additional crew days needed.
- Project work is ongoing.

### **Mount Ophir Fuels Reduction Project**

- 1300 acres near Old Toll Road and Hwy. 49 North, northwest of Mariposa.
- Fuels reduction will be accomplished through mechanized equipment and hand crew work.
- Cal Fire MMU hand crews and engine crews, under the permission of the property owner, have been utilizing this property for a training area and have contributed to the fuels being reduced within the area.
- Project work is ongoing.

## **Future Projects**

### **Colorado Road Fuel Break**

- Mariposa Fire Safe Council Project
- A 300 foot wide shaded fuel break along Colorado Road between Hwy. 140 and Whitlock Road.
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, handcrews and winter time pile burning.
- This project would protect residents along Colorado Road, Rancheria Creek Road and Davis Road.
- Awaiting a funding source.

### **Dubberke Fuel Reduction Project**

- A proposed fuels break on the east side of the town of Mariposa starting at the Stockton Creek Watershed running north to Highway 140.
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning.
- In the conceptual phase at this time.

### **Feliciano Strategic Fuel Treatment**

- A proposed fuels break from U.S. Forest Service fuel break on Feliciano Mountain to Highway 140 at Bear Creek Bridge.
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning.
- The project would protect the east side of Midpines from a fire that is coming up out of the Merced River Canyon and/or Bear Creek drainage.
- Property ownership is almost entirely Bureau Of Land Management.
- Mariposa Fire Safe Council Project
- Contingent on funding with a Sierra Nevada Conservancy Grant (\$200,000).

### **Fish Camp Strategic Fuel Reduction Project**

- A proposed fuels reduction project to include State Responsibility Area in and around the Community of Fish Camp in Mariposa County.
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning.
- Use of California Forest Improvement Project (CFIP) funding on parcels meeting requirements.
- In the conceptual phase at this time.

### **Mariposa Fuel Reduction Project**

- A proposed fuels break on the west side of the town of Mariposa starting at Highway 140 running north to Highway 49. (Phase 1).
- A proposed fuels break on the north side of the town of Mariposa starting at Highway 49 running east to Highway 140. (Phase 2).
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning.
- In the conceptual phase at this time.

### **Midpines / Mt. Bullion Fuel Break**

- A 400-500 acre proposed shaded fuel break to follow a path of ridge tops and established fire line from Midpines to Mt. Bullion.
- Will use fire control and contingency fire lines used during the Telegraph Fire were strategically appropriate.
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning.
- In the conceptual phase at this time.

### **Midpines Interior Strategic Fuel Reduction Project**

- A proposed fuels reduction project bounded by Colorado Road, Rumley Mine Road, Telegraph Road, Sherlock Road, East Whitlock Road, and Highway 140.
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning.
- Use of California Forest Improvement Project (CFIP) funding on parcels meeting requirements.
- Use of Fuel Hazard Reduction Emergency funding on parcels meeting requirements.
- In the conceptual phase at this time.

### **Silver Bar Fuel Break**

- A 120 acre proposed shaded fuel break to follow Silver Bar Road in Mariposa County.
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning.
- In the conceptual phase at this time.

## **Past Projects**

### **Vanderau VMP**

- A fuels reduction project on 180 acres of a 429 acre parcel located north east of Mariposa adjacent to the Stockton Creek Watershed area. This area had a high dead to live fuel ratio present due to chemical treatment from property owner.
- Fuels reduction completed through mechanized equipment, crew brush clearance and pile burning.
- Wood for Seniors Program established.

### **Long VMP**

- A 4000 acre ranch southwest of Mariposa adjacent to the Stockton Creek Drainage.
- Several VMP burns have been conducted over the years with the last one in 2004.

### **Stockton Creek Fuels Reduction**

- Several acres of brush clearing and piling along the Stockton Creek Watershed north and east of Mariposa.
- Project was facilitated by the Mariposa Resource Conservation District (RCD) for \$300,000.
- Project was completed in 2003 and is in need of maintenance.

### **Basin VMP**

- A 400 acre fuels reduction project in Ponderosa Basin Subdivision south of Mariposa.
- Fuels reduction was accomplished through crew brush clearance/pile burning.
- Project was completed in 2003 and is in need of maintenance.

### **Ponderosa Basin Strategic Fuel Treatment**

- A 300 foot shaded fuel break approximately 1 ¼ miles long.
- Total treatment area is 105 acres.
- The treatment will be along a strategic ridge line adjacent to the community of Ponderosa Basin.
- Fuel Break ties in with Cal Fires Ponderosa Basin VMP and U.S Forest Service Sonny Meadows Project.
- Treatment types will include mechanical mastication and hand brushing and tree limbing.
- The Mariposa County Fire Safe Council facilitated work through a 2008 U.S. Forest Service Grant of \$131,670.
- Completed 2009

### **Guadalupe Fire Road**

- A shaded fuel break following Guadalupe Fire Road
- The treatment is along the strategic ridge line of Guadalupe Mountain.
- Needs Maintenance.

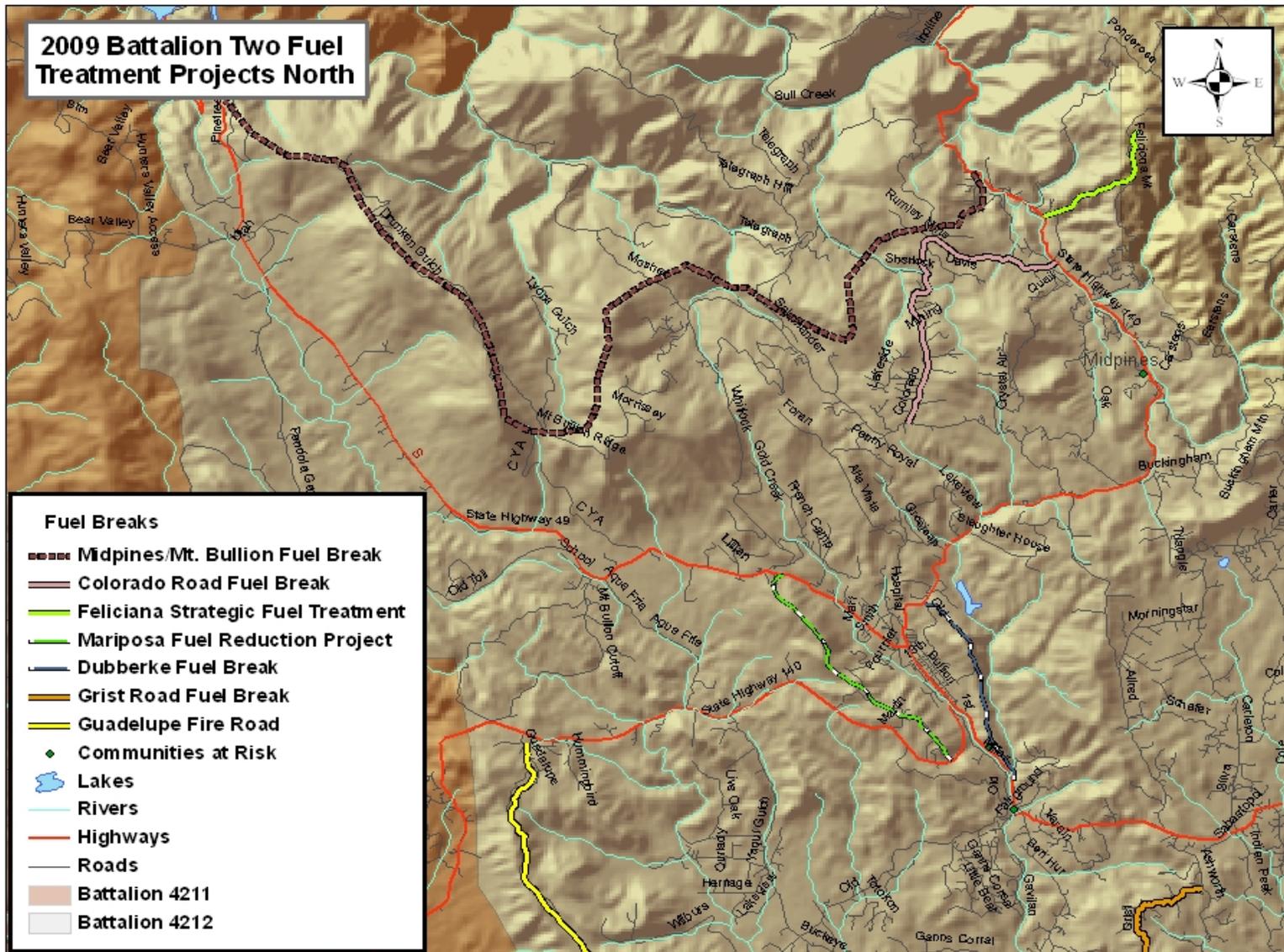


Figure 39 – Battalion Two (4212) Fuel Treatment Projects North

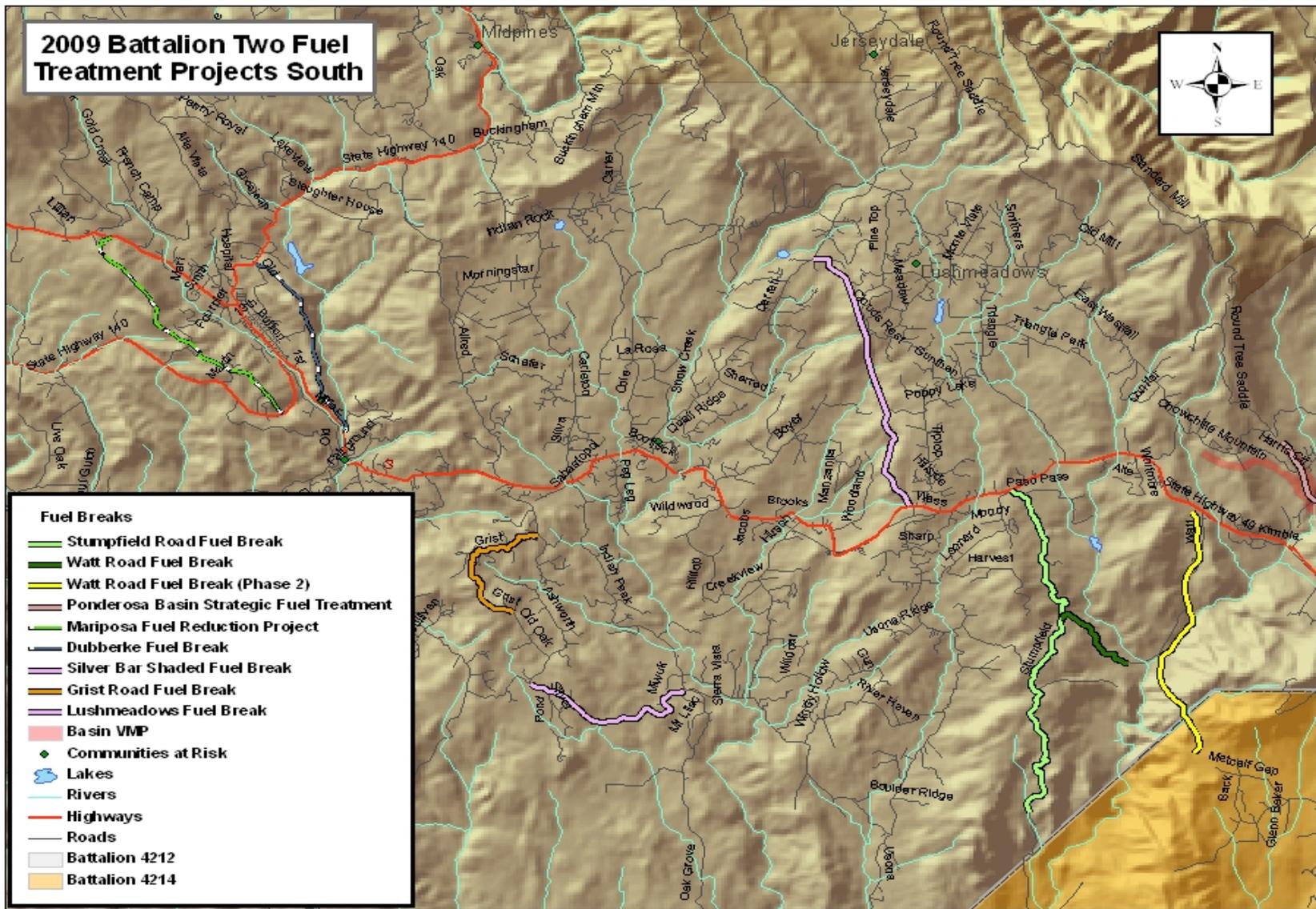


Figure 40 – Battalion Two (4212) Fuel Treatment Projects South

**Battalion 4214 Fire Management Plan  
Year 2009  
Battalion Chief Rich Drozen**

**Overview**

Communities at Risk in Battalion four include the areas of Oakhurst, Nipinnawasee, Ahwahnee and Miami Saddle (Figure - 42). The influencing factors involved in identifying fuel reduction projects include: Fire history, housing density, fuel hazard, timber values and range. Fire ignitions have traditionally, not been a problem in these areas, however, these areas are directly threatened by fires starting in the Chowchilla and Fresno River drainages. Past fire's that have threatened or in one case destroyed these communities loom forever in the historic record. The Harlow Fire devastated the area in 1961. The Stumpfield Fire in 1996 was almost a repeat of the Harlow Fire, but fortunately was stopped in the Chowchilla River drainage by an aggressive firefighting effort.

Additional Communities at Risk in Battalion four include Cedar Valley, the John West Road area, Sugar Pine, the Bass Lake area and Oakhurst. These areas were identified as having significant asset values with medium and high fuel hazard ranks. Fire prevention efforts will emphasize structure clearance and fuel management to mitigate the wildfire hazard in the area.

**Objectives**

1. Support the Eastern Madera Fire Safe Council with current and future fuel treatment projects.
2. Educate the public on fire safety and hazard reduction.
3. Implement an aggressive LE-100 inspection program.
4. Support Unit and local fire prevention activities.

**Accomplishing the Objectives**

1. Designate personnel to provide winter time support for ongoing fuels treatment projects being conducted within the battalion.
2. Educate the community within the battalion on proper fire hazard reduction through face to face contact during annual LE-100 inspections.
3. Participate with local stakeholders in annual community public education events.
4. Provide monthly statistics to fire prevention on activities.

**Current Projects**

**Mudge Ranch (Road 420) Fuel Break**

- A three mile long, 300' wide shaded fuel break south of Oakhurst.
- Facilitated by the Eastern Madera County Fire Safe Council through funding by the United States Forest Service, (USFS).

**Road 620 Phase 1 Fuel Break (Roundhouse 1 & 2)**

- A seven mile long, 300' wide shaded fuel break northeast of Ahwahnee.
- Facilitated by the Eastern Madera County Fire Safe Council through funding by Prop-40 Community Action Grant, (CAG).

### **New Road 620 Phase 2 Fuel Break (Old Nip)**

- A three mile long, 300' wide shaded fuel break north of Ahwahnee.
- Project starts at the intersection of Road 620 & Road 628 and ends at Worman Road and Highway 49.
- Facilitated by the Eastern Madera County Fire Safe Council and funded by Prop-40 Community Action Grant (CAG).

## **Future Projects**

### **Cedar Valley Fuel Reduction Project**

- Eastern Madera County Fire Safe Council Project
- A 300 foot wide shaded fuel break along Cedar Valley Road.
- A 300 foot shaded fuel break located strategically around the community of Cedar Valley.
- The fuel breaks will be on State Responsibility Area (SRA) and enhance existing U.S. Forest Service fuel reduction projects in the Cedar Valley area.
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning.
- In the conceptual phase at this time.

### **Sugar Pine Strategic Fuel Reduction Project**

- A proposed fuels reduction project to include State Responsibility Area (SRA) in and around the Community of Sugar Pine in Madera County.
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning.
- Use of California Forest Improvement Project (CFIP) funding on parcels meeting requirements.
- In the conceptual phase at this time.

### **Bass Lake Interior Strategic Fuel Reduction Project**

- A proposed fuels reduction project bounded by Road 274 (Crane Valley Road) and the Bass Lake Shoreline.
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning.
- Use of California Forest Improvement Project (CFIP) funding on parcels meeting requirements.
- Use of Fuel Hazard Reduction Emergency funding on parcels meeting requirements.
- In the conceptual phase at this time.

## Past Projects

### **Crook's Mountain Fuel Break**

- A twelve mile long, 300' wide shaded fuel break northwest of Oakhurst, (See Figure\_).
- Completed in the spring of 2007.
- Facilitated by the Eastern Madera County Fire Safe Council through Prop-40 Community Action Grant Funds.
- Is currently undergoing maintenance.

### **Massetti Range Improvement (RI) Burns**

- A series of eight (8) RI burns starting in the mid 1990's through 2007.
- Area south west of the town of Oakhurst, (See Figure\_).
- Funded through Prop-40 California Forest Improvement Program (CFIP).

### **Rososco Range Improvement (RI) Burn**

- RI Burn of 350 acres done in 1995.
- Area is north of Oakhurst.

### **Bona-Frietas Range Improvement (RI) Burn**

- RI Burn done in 1984.
- Area is located west of Oakhurst, in the Buckskin Flat area Sec. 20, Township. 7S, Range 21E.

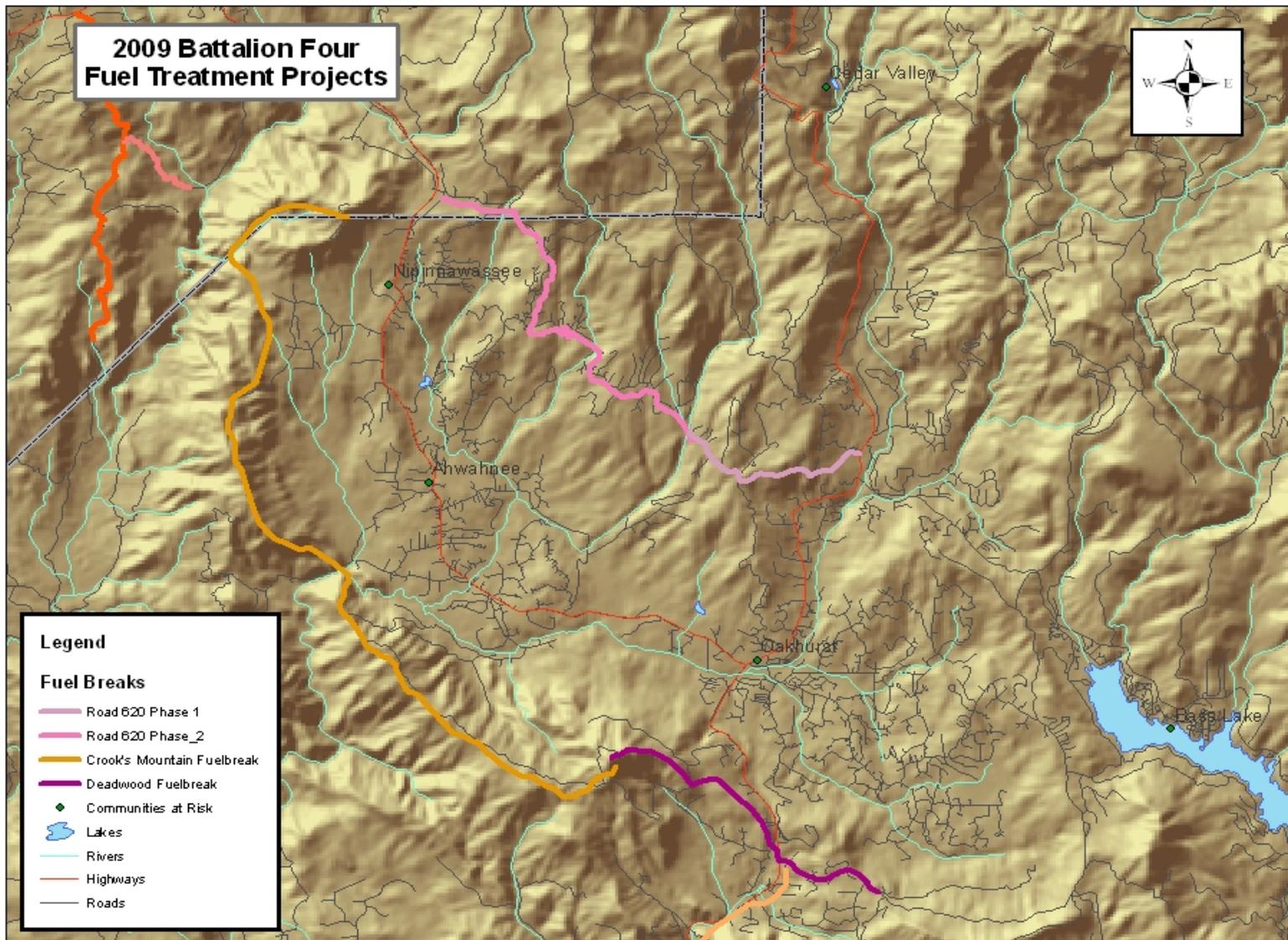


Figure 41 – Battalion Four (4214) Fuel Treatment Projects

**Battalion 4215 Fire Management Plan**  
**Year 2009**  
**Battalion Chief Bernie Quinn**

**Overview**

Communities at Risk in Battalion Five include the areas of Cascadel Woods, Bass Lake Annex, North Fork, Yosemite Lakes Park, Quartz Mountain, Coarsegold and Indian Lakes (Figure – 42 & 43). The influencing factors involved in identifying fuel reduction projects include: Fire history, housing density, fuel hazard, timber values and range. Fire prevention efforts will emphasize structure clearance and fuel management to mitigate the wildfire hazard in these areas. Fuel projects in the Battalion are designed to help protect these communities.

The two main fire roads in Battalion Five that tie Hwy 41 into Rd 200 are the Waterloo Fire Road and the Quartz Mountain Fire Road. Unfortunately they have not been maintained for at least 10 years. With the development of Indian Lakes subdivision, the Chukchansi Casino, and the Flying “O” subdivision these fire roads have become a critical holding point for fires that originate out of these three structurally dense areas. The 550 acre Quartz fire of 2005 was the latest fire to threaten this communities. The need to reduce fuels on the ridge top behind Indian Lakes and the Flying “O” are a high priority. Local land owners have taken some steps to reduce this fuel but a fire that runs out of the Indian Lakes subdivision will need to be held to the West by Highway 41, to the North and East by the Waterloo Fire Road, and the South by Quartz Mountain Fire Road. The last place to stop a fire before it runs to Thornberry Ridge, the Church Ranch, and Sierra Highlands will be the Waterloo Fire Road. At that point Road 223 will be the next east holding road and it has a much higher residential population. Road 420 (Thornberry Road) will be the next north holding road.

The Eastern Madera County Fire Safe Council has received grant funding for the Cascadel Woods Fuel Reduction Project and the Quartz Mountain Fuel Reduction Project. These two projects will help protect the communities of Cascadel Woods, Quartz Mountain and Indian Lakes.

The Waterloo fire road is also a high priority for Battalion Five. The first agreement for a CDF Fire Road was with the Veater family in 1945. At that time several property owners gave permission to maintain the Waterloo Road which ran from Hwy 41 to Rd. 200. It was originally the stage road that ran from O’neals to Coarsegold. Waterloo Road was renamed Veater Ranch Road and is paved from Hwy 41 to the Veater Ranch. At the Veater Ranch the road has been named Arena Way. Arena Way runs across the top of the ridge on the east side of Indian Lakes. The Waterloo Fire Road drops off of Arena Way and drops into the North Fork of Fine Gold Creek.

**Objectives**

1. Support the Eastern Madera Fire Safe Council, the Coarsegold Resource Conservation District (CRCD) with current and future fuel treatment projects.
2. Facilitate fuel reduction projects that will open up roads that effect ingress and egress of the public and emergency equipment.
3. Educate the public on fire safety and hazard reduction.
4. Implement an aggressive LE-100 inspection program.
5. Support Unit and local fire prevention activities.

## **Accomplishing the Objectives**

1. Designate personnel to provide winter time support for ongoing fuels treatment projects being conducted within the battalion.
2. Educate the community within the battalion on proper fire hazard reduction through face to face contact during annual LE-100 inspections.
3. Participate with local stakeholders in annual community public education events.
4. Provide monthly statistics to fire prevention on activities.

## **Current Projects**

### **Cascadel Woods Fuel Reduction / Shaded Fuel Break**

- Eastern Madera County Fire Safe Council Project
- Phase 1 – Fuel reduction on 160 acres located strategically around the community of Cascadel Woods.
- Phase 2 - A 300 foot shaded fuel break on Cascadel Road (Road 233) from Mammoth Pool Road to Cascadel Woods.
- The fuel breaks will be on State Responsibility Area (SRA) and enhance existing U.S. Forest Service fuel reduction projects in the Cascadel Woods area.
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning.
- Environmental Compliance review is being conducted in fall of 2009.

### **Quartz Mountain Fuel Break**

- A nine mile long, 300' wide shaded fuel break under P.G.& E. high voltage powerlines.
- Project increases the current 90 foot P.G.& E. fuel break.
- Project starts west of Indian Lakes and ends at Highway 41 and the Deadwood Fuel Break.
- Facilitated by the Eastern Madera County Fire Safe Council and funded by Prop-40 Community Action Grant (CAG).

## **Future Projects**

### **The Waterloo Fire Road**

- The Waterloo Fire Road (Veater Ranch Road) is paved from Hwy 41 to the Veater Ranch. At the Veater Ranch the road has been named Arena Way. Arena Way runs across the top of the ridge on the east side of Indian Lakes. The Waterloo Fire Road drops off of Arena Way and drops into the North Fork (NF) of Fine Gold Creek. The Waterloo Fire Road goes midslope after it crosses the Northfork of Fine Gold Creek on the north side. It crosses the Northfork of Fine Gold Creek again on the south end of the Veater Ranch.
- Treatment types will include mechanical mastication, hand brushing and tree limbing.
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning. Utilize engine crews, CDC hand crews, and State dozers (where applicable) to reduce fuels along the fire road. Modify the fuel to make the west side of the fire road more receptive

for light fuel growth. This will assist if back firing tactics are utilized to hold fire at the road. Maintain the finished product to an acceptable level for the landowners and Cal Fire.

- Environmental Compliance review is being conducted in Winter of 2010.

### **CDF Fire Rd 20, CDF Fire Rd 21, AKA Fish Creek Fire Road**

- These two CDF fire roads (CDF Fire Rd 20, CDF Fire Rd 21, AKA Fish Creek Fire Road) were established to contain a fire that comes out of the San Joaquin River drainage and threatens the town of North Fork, the residence of Leisure Acres, and the many homes that sit on the south side of Road 200. Historically these fire roads ran through large ranches and were maintained annually. Today, these fire roads have either grown over, been abandoned, or are on smaller parcels that belong to several different land owners.
- Obtain landowner buy-in for the projects
- Fuels reduction to be accomplished through the use of mechanized equipment, hand crews and winter time pile burning. Utilize engine crews, CDC hand crews, and State dozers (where applicable) to reduce fuels along the fire road.
- This project would include funding for gates, culverts, and gravel to repair and maintain the fire roads.
- State dozer, backhoe, dump trucks, and grader work would be the main emphasis to repair and maintain the fire roads.
- Environmental Compliance review is being conducted in Winter of 2010.

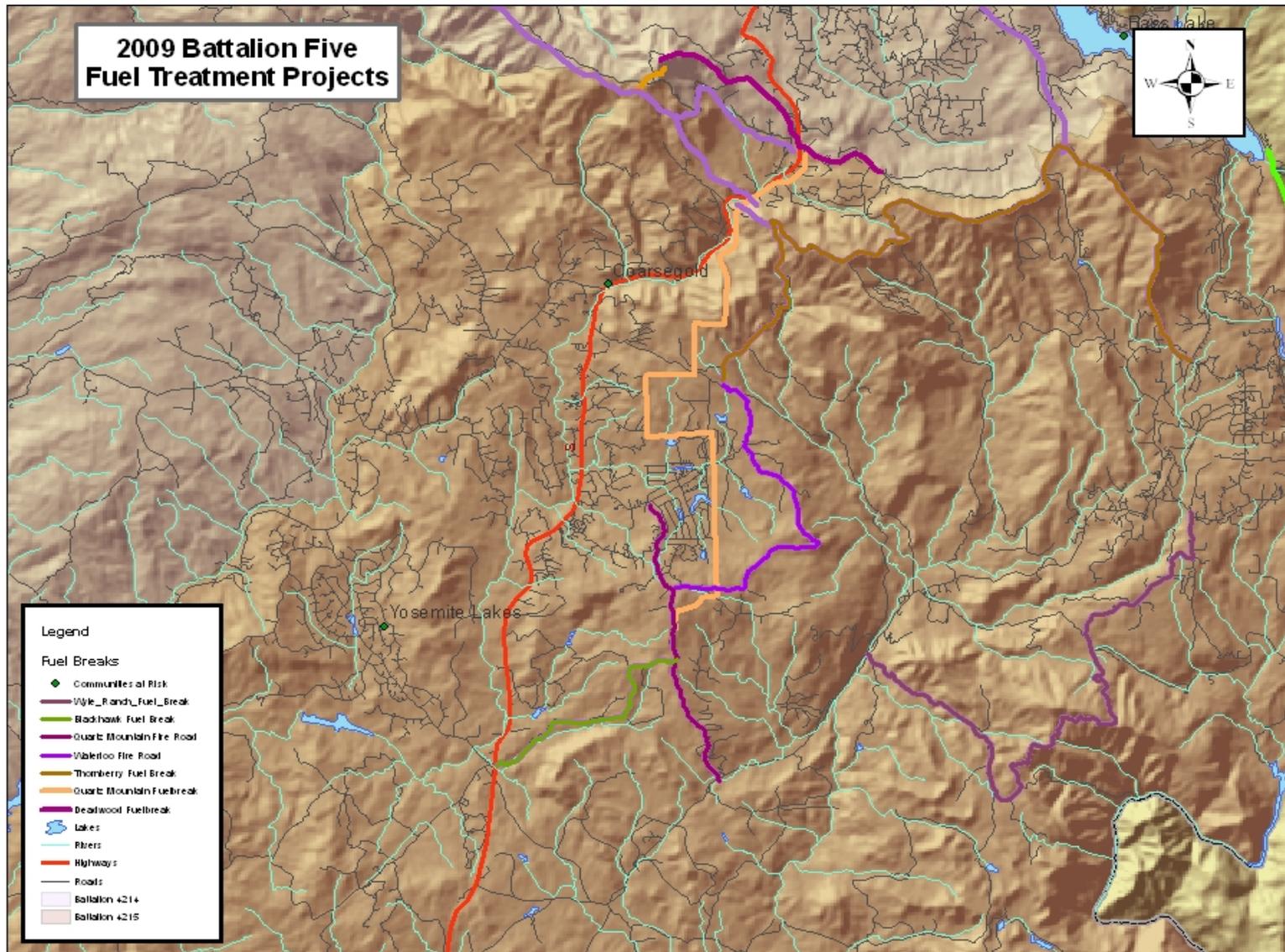


Figure 42 – Battalion Five (4215) Fuel Treatment Projects North

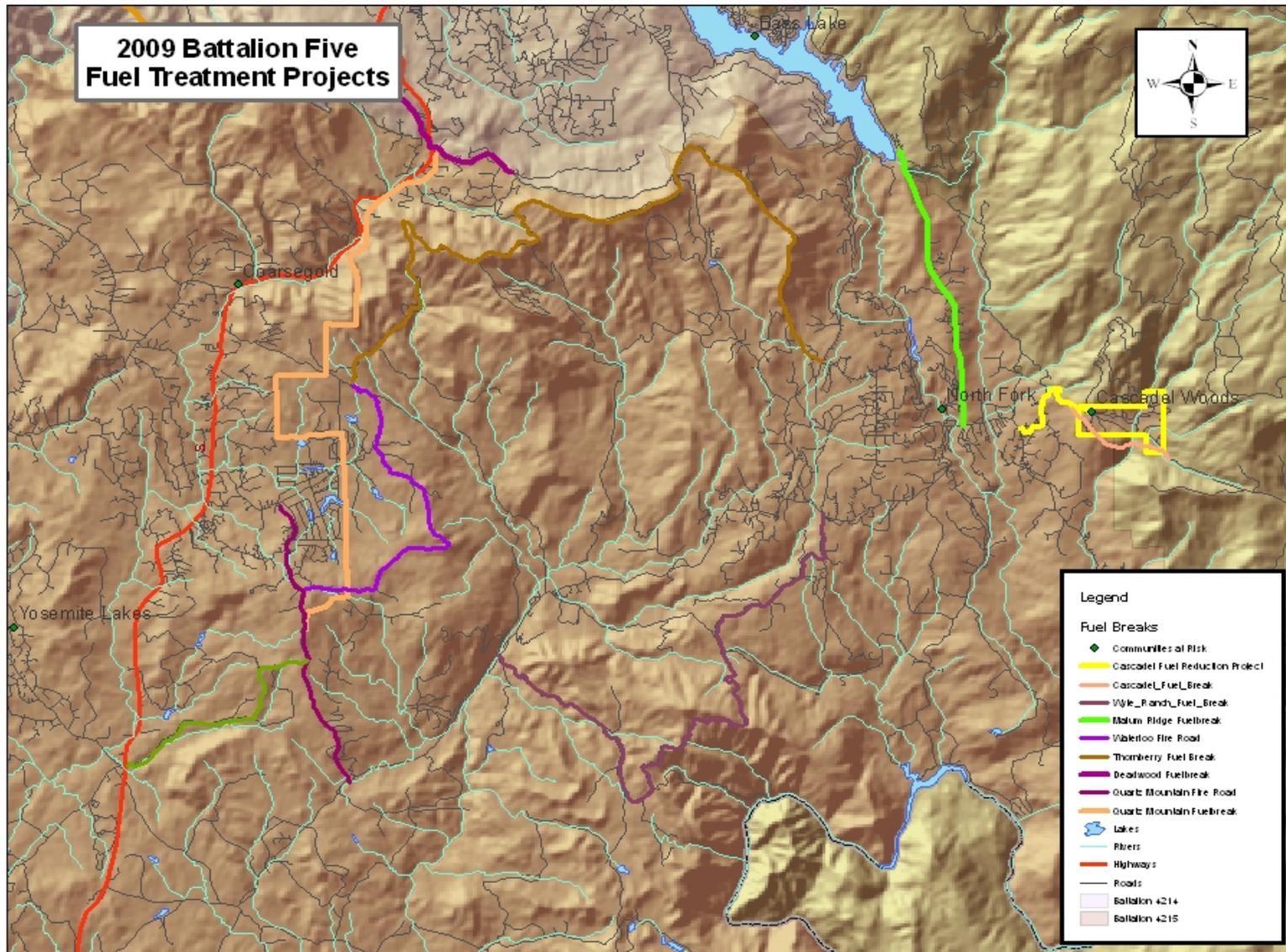


Figure 43 – Battalion Five (4215) Fuel Treatment Projects South