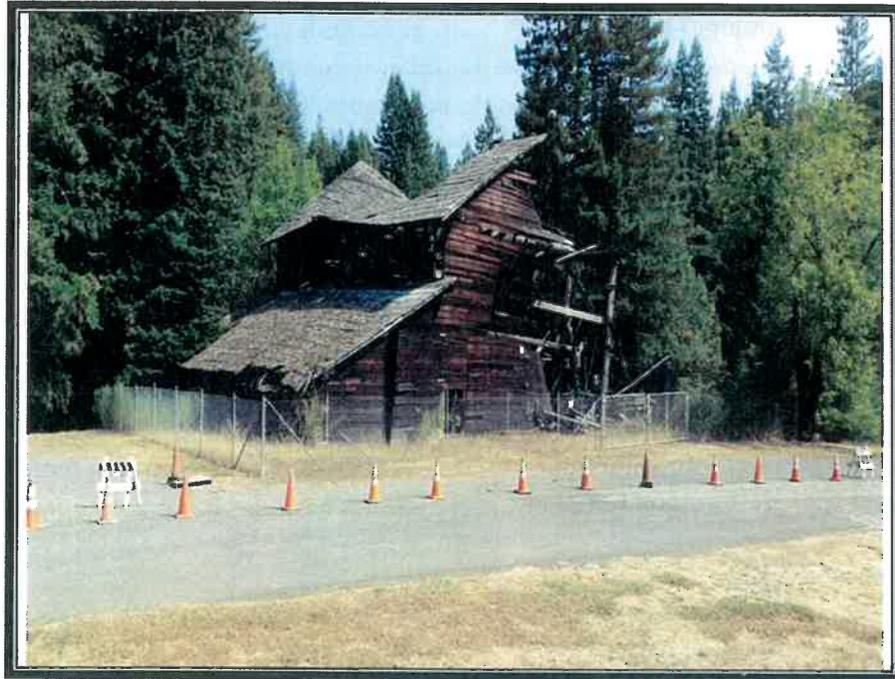


**Initial Study/Mitigated Negative Declaration  
for the proposed  
Chamberlain Creek Barn/Garage Demolition Project  
Mendocino County, California**



prepared by:

The California Department of Forestry and Fire Protection (CAL FIRE)  
The Lead Agency Pursuant to Section 21082.1 of the  
California Environmental Quality Act (CEQA)

CAL FIRE Resource Management – Environmental Protection Program  
P.O. Box 944246  
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(916) 653-0839

**October 13, 2015**

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## MITIGATED NEGATIVE DECLARATION

### Introduction and Regulatory Context

#### Stage of CEQA Document Development

- Administrative Draft.** This CEQA document is in preparation by California Department of Forestry and Fire Protection (CAL FIRE) staff.
- Public Document.** This completed CEQA document has been filed by CAL FIRE at the State Clearinghouse on October 22, 2015, and is being circulated for a 30-day agency and public review period. The public review period ends on November 23, 2015. Instructions for submitting written comments are provided on Pages 5-6 of this document.
- Final CEQA Document.** This Final CEQA document contains the changes made by the Department following consideration of comments received during the public and agency review period. The changes are displayed in strike-out text for deletions and underlined text for insertions. The CEQA administrative record supporting this document is on file, and available for review, at CAL FIRE's Sacramento Headquarters, Environmental Protection Program, which is located in the Natural Resources Building, 1416 Ninth Street, 15<sup>th</sup> Floor, Sacramento, California.

#### Introduction

This Initial Study/Mitigated Negative Declaration (IS/MND<sup>1</sup>) describes the environmental impact analysis conducted for the proposed project. This document was prepared by California Department of Forestry and Fire Protection (CAL FIRE) staff utilizing information gathered from a number of sources including research and field review of the proposed project area and consultation with environmental planners and other experts on staff at other public agencies. Pursuant to Section 21082.1 of the California Environmental Quality Act (CEQA), the Lead Agency, CAL FIRE, has prepared, reviewed, and analyzed the IS/MND and declares that the statements made in this document reflect CAL FIRE's independent judgment as Lead Agency pursuant to CEQA. CAL FIRE further finds that the proposed project, which includes revised activities and mitigation measures designed to minimize environmental impacts, will not result in significant adverse effects on the environment.

#### Regulatory Guidance

This IS/MND has been prepared by CAL FIRE to evaluate potential environmental effects which could result following approval and implementation of the proposed project. This document has been prepared in accordance with current CEQA Statutes (Public Resources Code [PRC] §21000 *et seq.*) and current CEQA Guidelines (California Code of Regulations [CCR] §15000 *et seq.*).

An Initial Study (IS) is prepared by a lead agency to determine if a project may have a significant effect on the environment (14 CCR § 15063[a]), and thus, to determine the appropriate environmental document. In accordance with CEQA Guidelines §15070, a "public agency shall prepare ... a proposed negative declaration or mitigated negative declaration ... when: (a) The Initial Study shows that there is no substantial evidence ... that the project may have a significant impact upon the environment, or (b) The Initial Study identifies potentially significant effects but revisions to the project plans or proposal are agreed to by the

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<sup>1</sup> A list and definition of the acronyms and symbols used in this CEQA document is presented on pages 64-65.

applicant and such revisions will reduce potentially significant effects to a less-than-significant level.” In this circumstance, the lead agency prepares a written statement describing its reasons for concluding that the proposed project will not have a significant effect on the environment and, therefore, does not require the preparation of an Environmental Impact Report (EIR). This IS/MND conforms to these requirements and to the content requirements of CEQA Guidelines Section 15071.

### **Purpose of the Initial Study**

CAL FIRE has primary authority for carrying out the proposed project and is the lead agency under CEQA. The purpose of this IS/MND is to present to the public and reviewing agencies the environmental consequences of implementing the proposed project and describe the adjustments made to the project to avoid significant environmental effects or reduce them to a less-than-significant level. This disclosure document is being made available to the public, and reviewing agencies, for review and comment. The IS/MND is being circulated for public and agency review and comment for a review period of 30 days as indicated on the *Notice of Intent to Adopt a Mitigated Negative Declaration* (NOI). The 30-day public review period for this project begins on October 22, 2015 and ends on November 23, 2015.

The requirements for providing an NOI are found in CEQA Guidelines §15072. These guidelines require CAL FIRE to notify the general public by utilizing at least one of the following three procedures:

- Publication in a newspaper of general circulation in the area affected by the proposed project,
- Posting the NOI on and off site in the area where the project is to be located, or
- Direct mailing to the owners and occupants of property contiguous to the project.

CAL FIRE has elected to utilize the second of the three notification options. The NOI was posted at four prominent locations on and off site in the area where the project is located for the entire 30-day public review period. The four locations where the NOI was posted during the 30-day public review period are:

1. At the Chamberlain Creek barn/garage in the front of the structure along forest Road 220.
2. At Jackson Demonstration State Forest public-greeting counter in Fort Bragg.
3. At Mendocino Unit headquarters at Howard Forest public-greeting counter in Willits.
4. At the Mendocino County County Clerk/Recorder’s Office in Ukiah.

A complete copy of this CEQA document was made available for review by any member of the public requesting to see it at Locations #1 and #3 above. An electronic version of the NOI and the CEQA document were made available for review for the entire 30-day review period through their posting on CAL FIRE’s Internet Web Pages at:

[http://www.fire.ca.gov/resource\\_mgt/resource\\_mgt\\_EPRP\\_PublicNotice.php](http://www.fire.ca.gov/resource_mgt/resource_mgt_EPRP_PublicNotice.php)

If submitted prior to the close of public comment, views and comments are welcomed from reviewing agencies or any member of the public on how the proposed project may affect the environment. Written comments must be postmarked or submitted on or prior to the date the public review period will close (as indicated on the NOI) for CAL FIRE’s consideration. Written comments may also be submitted via email (using the email address which appears below) but comments sent via email must also be received on or prior to the close of the 30-day public comment period. Comments should be addressed to:

Christopher E. Browder, Deputy Chief, Environmental Protection  
California Department of Forestry and Fire Protection  
Resource Management – Environmental Protection Program  
P.O. Box 944246  
Sacramento, CA 94244-2460  
Phone: (916) 653-4995  
Email: [sacramentopubliccomment@fire.ca.gov](mailto:sacramentopubliccomment@fire.ca.gov)

After comments are received from the public and reviewing agencies, CAL FIRE will consider those comments and may (1) adopt the Mitigated Negative Declaration and approve the proposed project; (2) undertake additional environmental studies; or (3) abandon the project. If the project is approved and funded, CAL FIRE could design and construct all or part of the project.

## **Project Description and Environmental Setting**

### **Project Location**

The Chamberlain Creek “CAT Barn” garage is located on state property within Jackson Demonstration State Forest (JDSF) approximately 17 miles east from the City of Fort Bragg, California. The garage is also located adjacent to the access road to Chamberlain Creek Conservation Camp (Road 220) which connects to State Highway 20 at the 17.3 mile marker. The proposed project area is situated within the SW1/4 of the SE1/4 of Section 5, Township 17 North, Range 15 West, Mount Diablo Base and Meridian, on the Comptche USGS 7.5 minute topographic map.

### **Background and Need for the Project**

The structure was evaluated in 1990 by a specialist from the Forest Products Laboratory, Cooperative Extension, UC Berkeley and at that time the study found that most of the major structural members of the building were seriously decayed and offered a series of recommended treatments (Shelly 1990). At that time, the Department determined the cost of the treatments prohibitive and chose to manage the building as a standing ruin.

The structure now has been managed as a standing ruin for over a decade. Since the beginning of 2015, noticeable increased collapse of the structure has been noted. In July of 2015, Albert Lau, CAL FIRE Associate Civil Engineer offered the following description, “In looking at the Cat Barn, it is clear that the structural supports have failed. The main ridge has collapsed and it appears that the roof elements are resting on the steel gantry inside. The original intent of the Management Plan for CDF’s Historic Buildings and Archaeological Sites (November 2001) EIR was to allow the Cat Barn to naturally deteriorate. It has now decayed to the point of being dangerous. As seen in the photos, the accelerated rate of failure from February 2015 to July 2015 has created an unpredictable debris field. This continued collapse might create a hazard to human life and the natural environment surrounding the Cat Barn, including Chamberlain Creek. Though the deterioration might seem slow and gradual, there is no predicting if and when a major catastrophic failure will occur. A major wind event can topple the Cat Barn and scatter debris. The ruin has recently reached a state of decay and collapse that is posing a threat to public safety and is an environmental hazard to the nearby Chamberlain Creek should the structure fail and fall into the creek.”

Given the assessment offered by Civil Engineer Albert Lau that the remaining standing portions of the structure pose a threat to public safety and is an environmental hazard to Chamberlain Creek, the need to safely dismantle and remove this structure has become necessary.

## **Project Objectives**

The objective of this project is to safely dismantle the structure so it no longer poses a threat to public safety and Chamberlain Creek.

Specific objectives include:

- Safely dismantle all standing and elevated portions of the structure.
- Recycle all wood components that can be reused and/or repurposed.
- Recover the unique gantry hoist and loan to a historic group who will conserve and display the device to the public for educational purposes.

## **Project Start Date**

CAL FIRE is unable to accurately disclose when actual work on this project might begin. The earliest date will be sometime late in 2015, after the completion of the CEQA process, followed by the approval of a State contract. The actual start date will depend on weather conditions and contractor scheduling.

## **Project Description**

The scope of this project involves disassembling what remains of the standing portions of the structure with a crane and other heavy equipment. No site grading or excavations are necessary or proposed. Portions of the wooden structure will be recycled and/or repurposed while other wooden and non-wooden components and contents will be disposed of at a waste facility. The gantry hoist support structure and appurtenant steel components will be retained and loaned to a historical group for conservation and display.

## **Environmental Setting of the Project Region**

The Chamberlain Creek "CAT barn" garage structure is located on Jackson Demonstration State Forest State lands. The location is roughly half way between Fort Bragg and Willits on Highway 20. The elevation of the structure is at 340 feet above sea level.

The structure is located between Forest Road 220 and Chamberlin Creek. The actual structure is within the riparian zone of Chamberlain Creek. Chamberlain Creek is a main tributary of Big River which flow out to the Pacific Ocean adjacent to the town of Mendocino.

## **Description of the Local Environment**

The environmental setting is a Redwood dominated forested landscape, described by "A Manual of California Vegetation" as the "Redwood Series," (Keeler-Wolf and Sawyer, 1995). The barn/garage structure is situated on the edge of a forest opening that includes the area on the south side of Highway 20 that is the Camp 20 day use area. The vegetation in the opening is primarily annual grasses and forbs. The primary tree composition of the surrounding forest is Redwood (*Sequoia sempervirens*), Douglas-fir (*Pseudotsuga menziesii*) and Tan oak (*Notholithocarpus densiflorus*). Immediately adjacent to the structure

is Chamberlin Creek. Chamberlin Creek is a major tributary of Big River and is a fish bearing Class I watercourse. The surrounding riparian tree canopy of Chamberlin Creek includes Redwood, Douglas-fir, Tan Oak and California Bay/Pepperwood trees. The structure is mostly situated on a level slope at the edge of the steep slope leading to the Chamberlin Creek watercourse channel. The average annual precipitation for Fort Bragg ranges from 38-43 inches per year.

### **Current Land Use and Previous Impacts**

The project area has been involved with active timber harvesting as far back as the late 1800s. The Caspar Lumber Company established "Camp 20" logging area in the 1930s. Camp 20 was developed into a remote logging camp with facilities for the logging operation that include the construction of the Chamberlain Creek barn/garage structure. The State of California purchased the land base that is the current day Jackson Demonstration State Forest from the Caspar Lumber Company in 1947. Several of the structures of Camp 20 were present at the time of this purchase and the State Forest used the barn/garage till the 1980s till which time the structure was abandoned. Today the area of Camp 20 is used as a recreational Day Use area and include picnic grounds, information boards, historic display of a steam donkey and an outhouse. The structure is across Highway 20 from the day use area and is adjacent to the main access road to the Chamberlain Creek Conservation Camp that operates with around 200 inmates and staff year round.

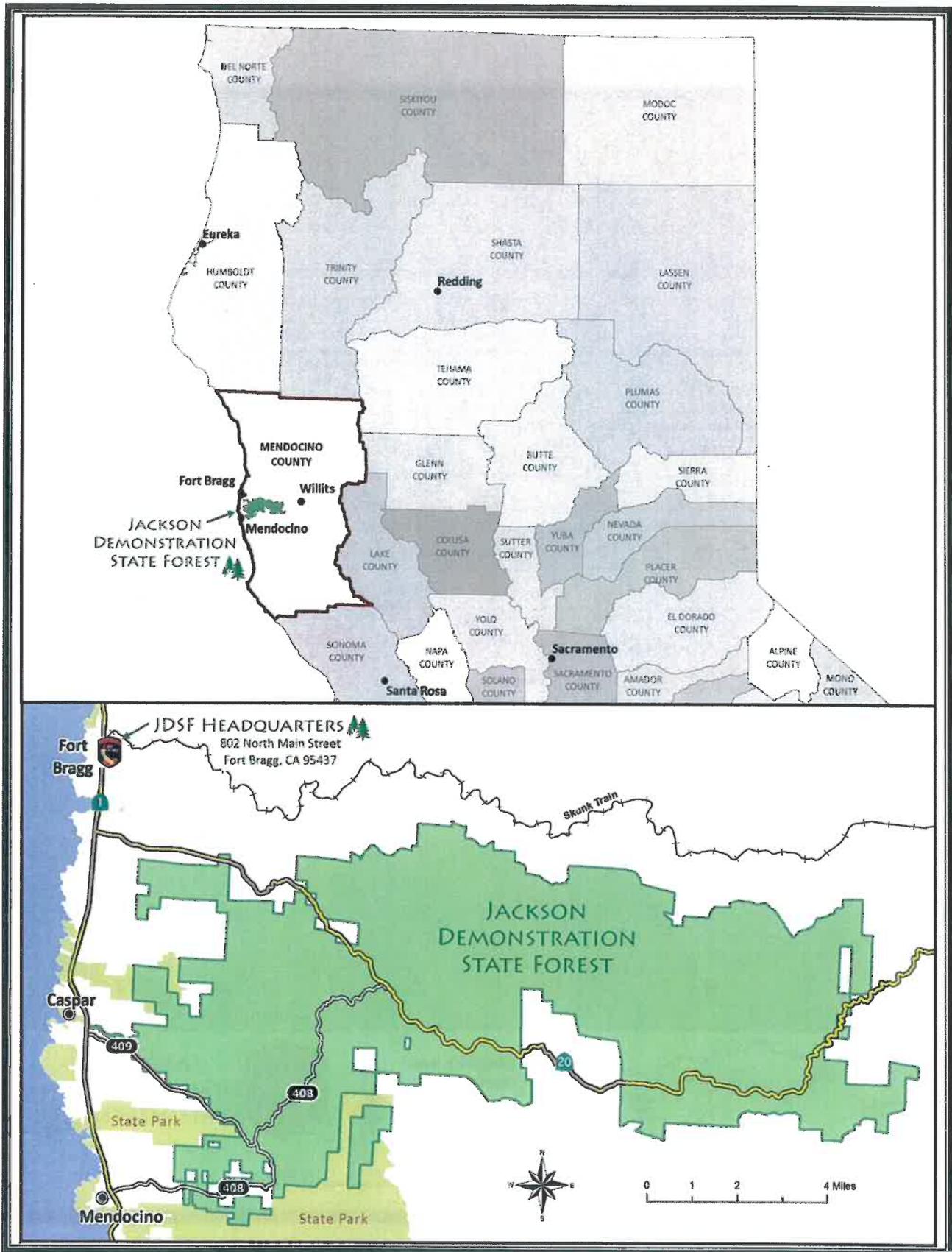


Figure 1. Project Vicinity Map.

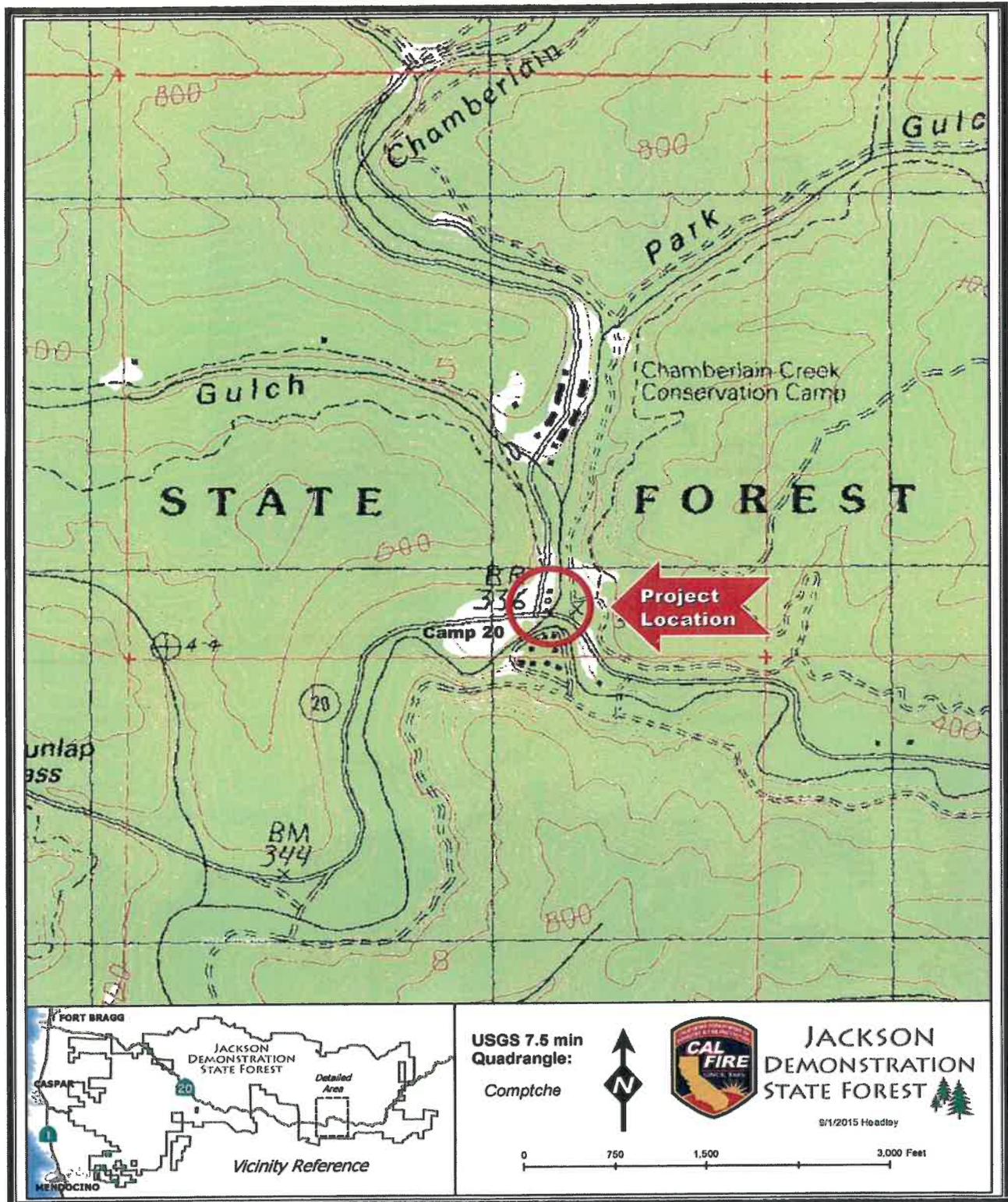


Figure 2. Project Location Map #1 of 2.

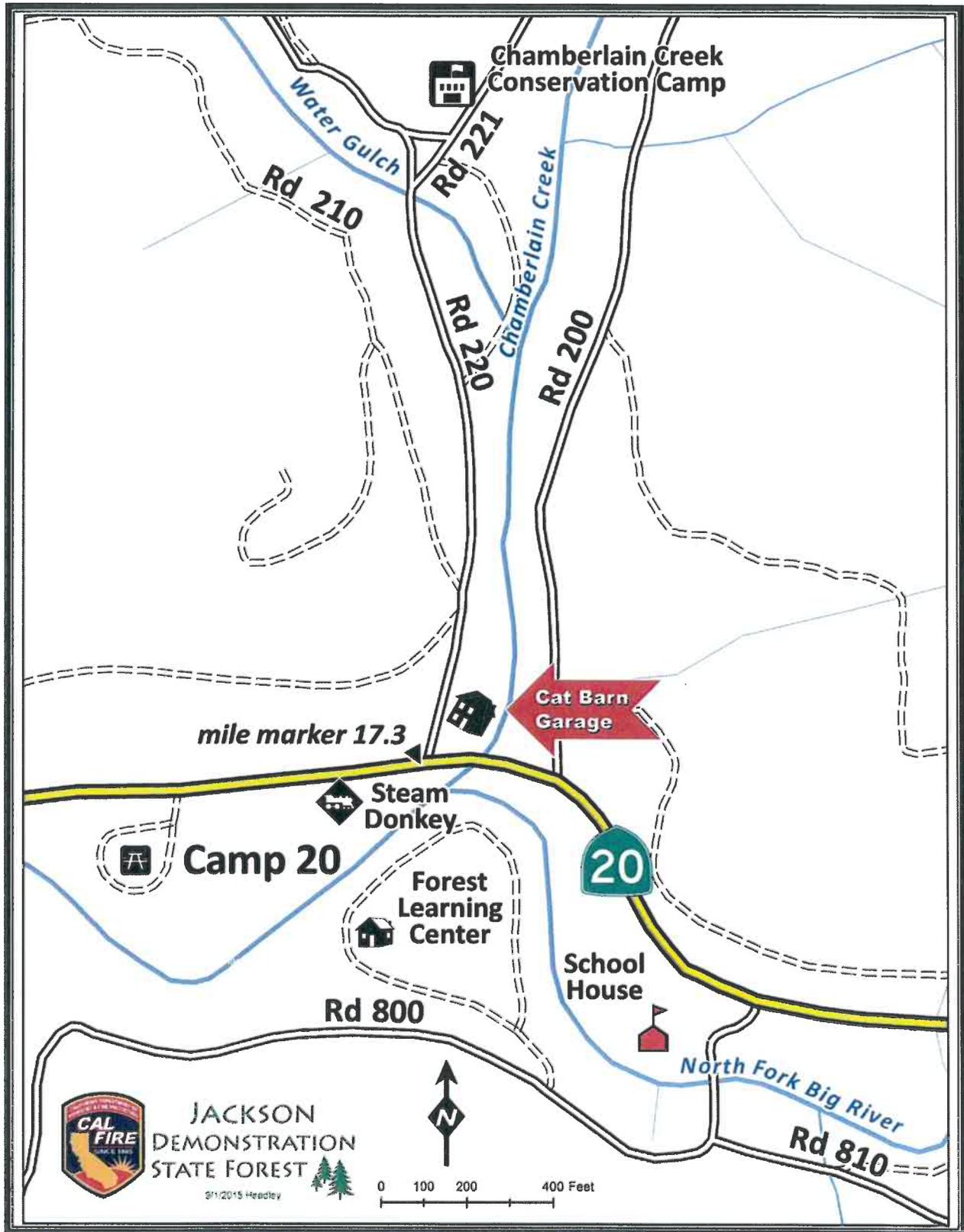


Figure 3. Project Location Map #2 of 2.



Figure 4. North West Side of Structure (2015).



Figure 5. South West Side of Structure (2015).



Figure 6. North Side of Structure (2015).

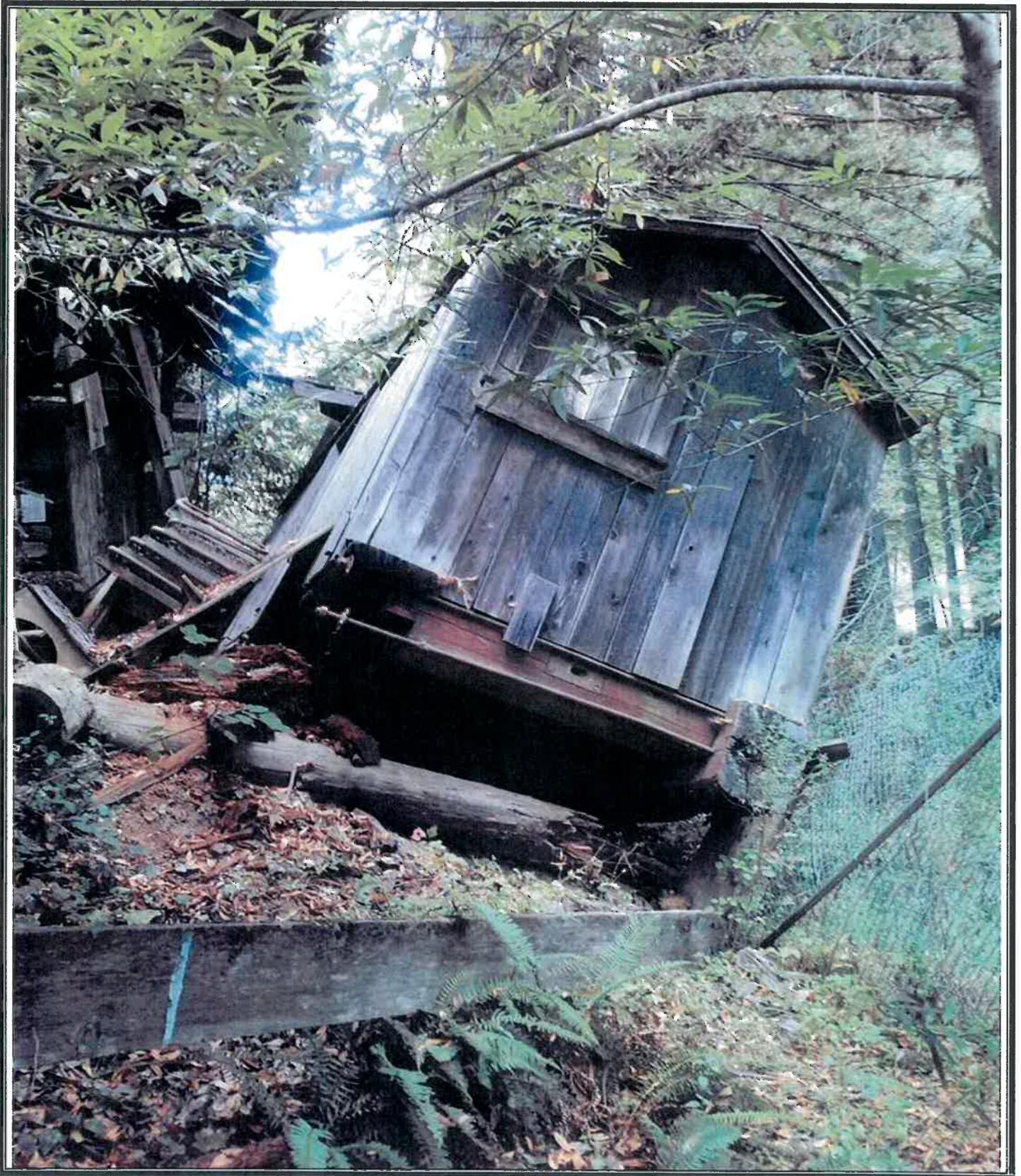


Figure 7. West Side Small Appurtenant Structure (2015).

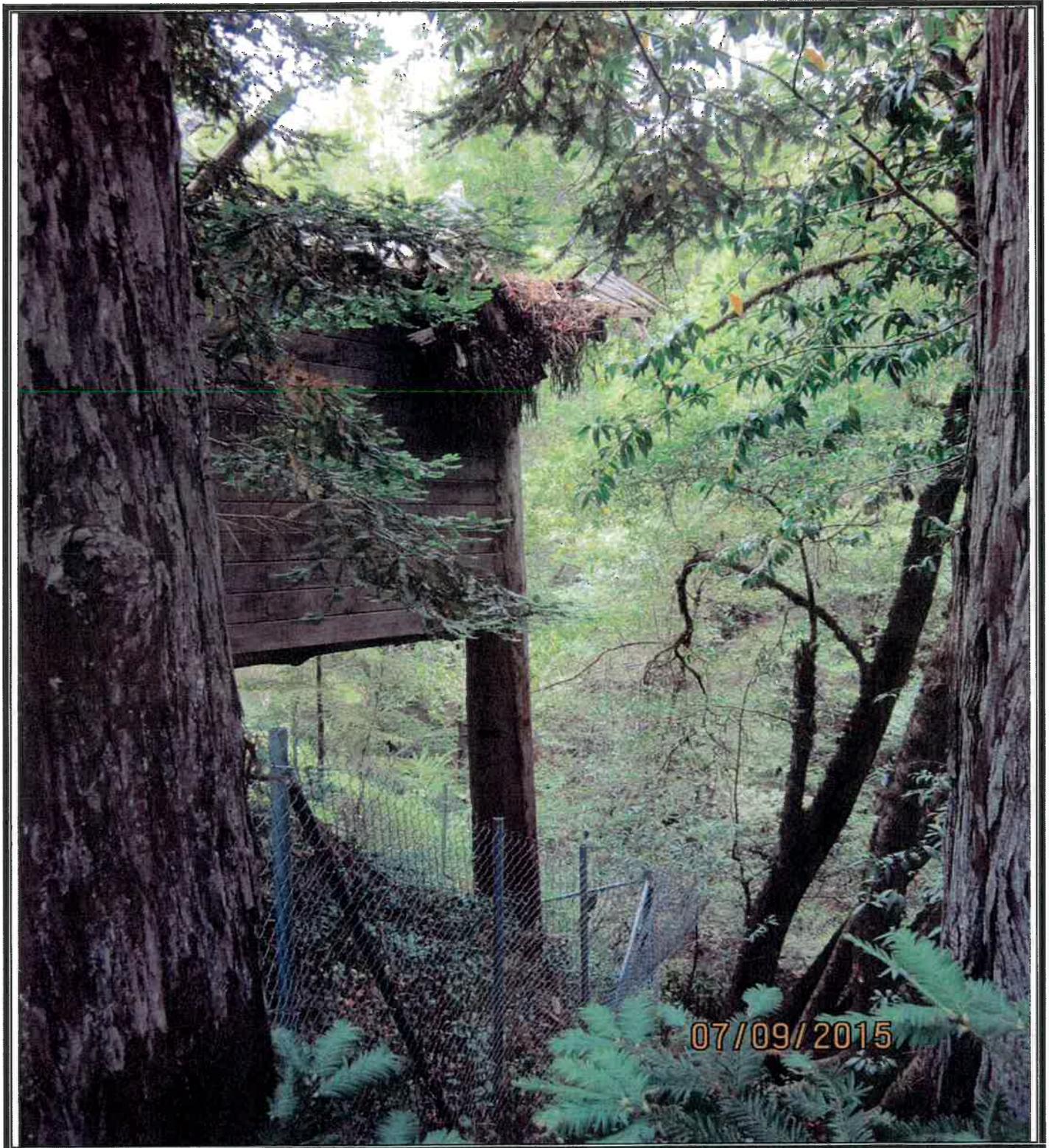


Figure 8. View of South East Corner of Structure Elevated on a Post (2015).

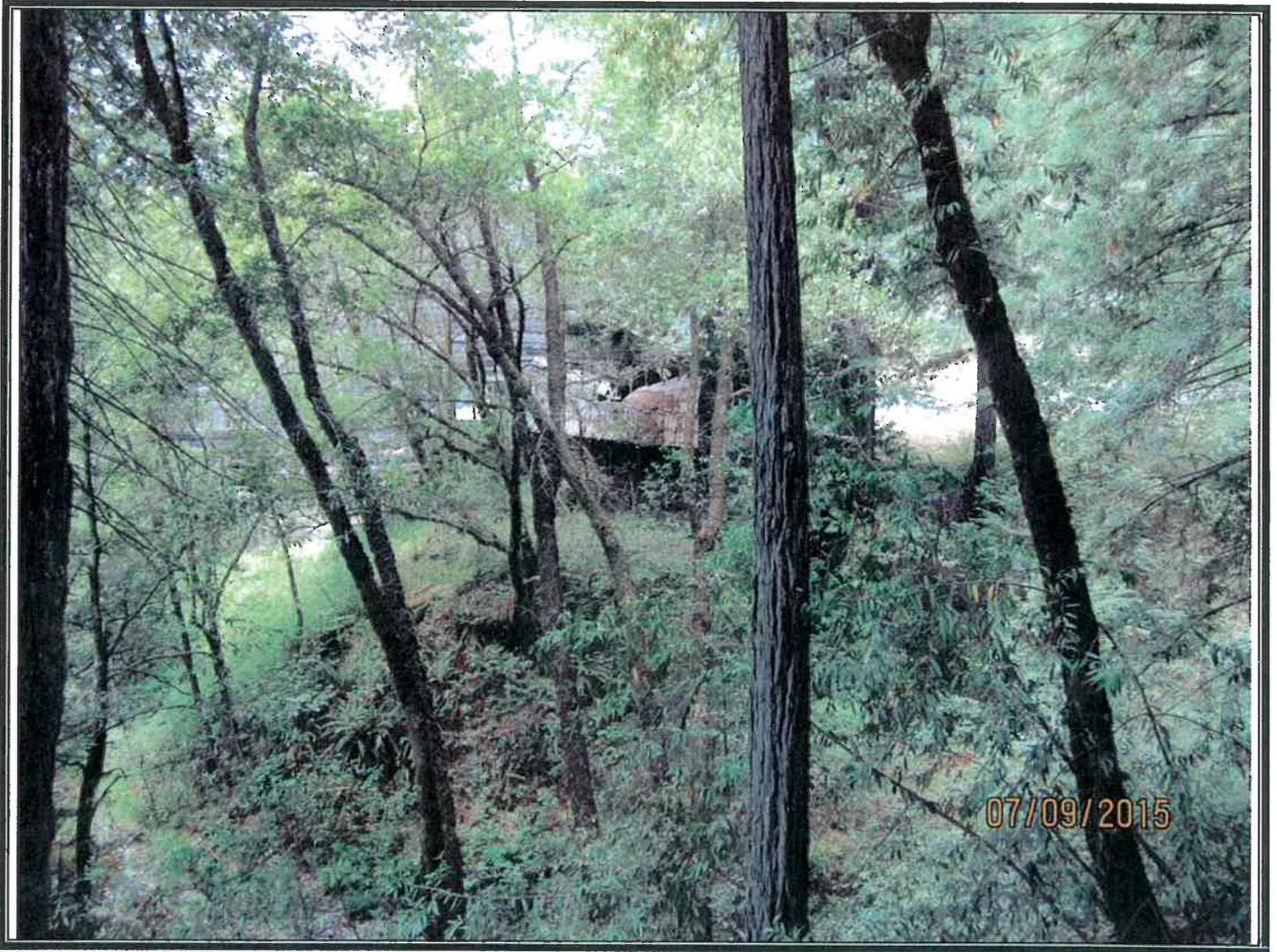


Figure 9. View Looking Across Chamberlain Creek at the East Side of Structure (2015).

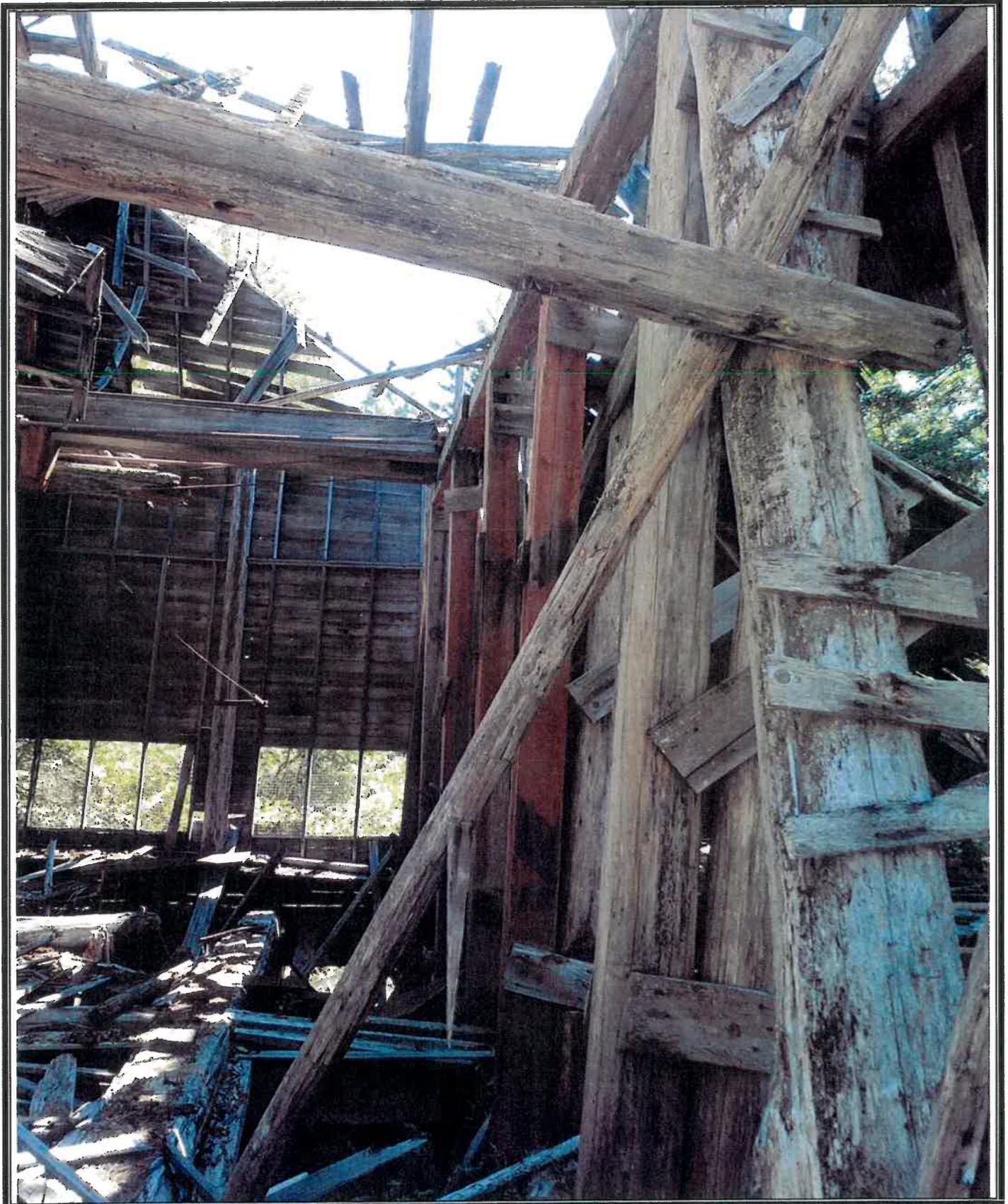


Figure 10. Picture of Inside of Structure and Gantry (2015).

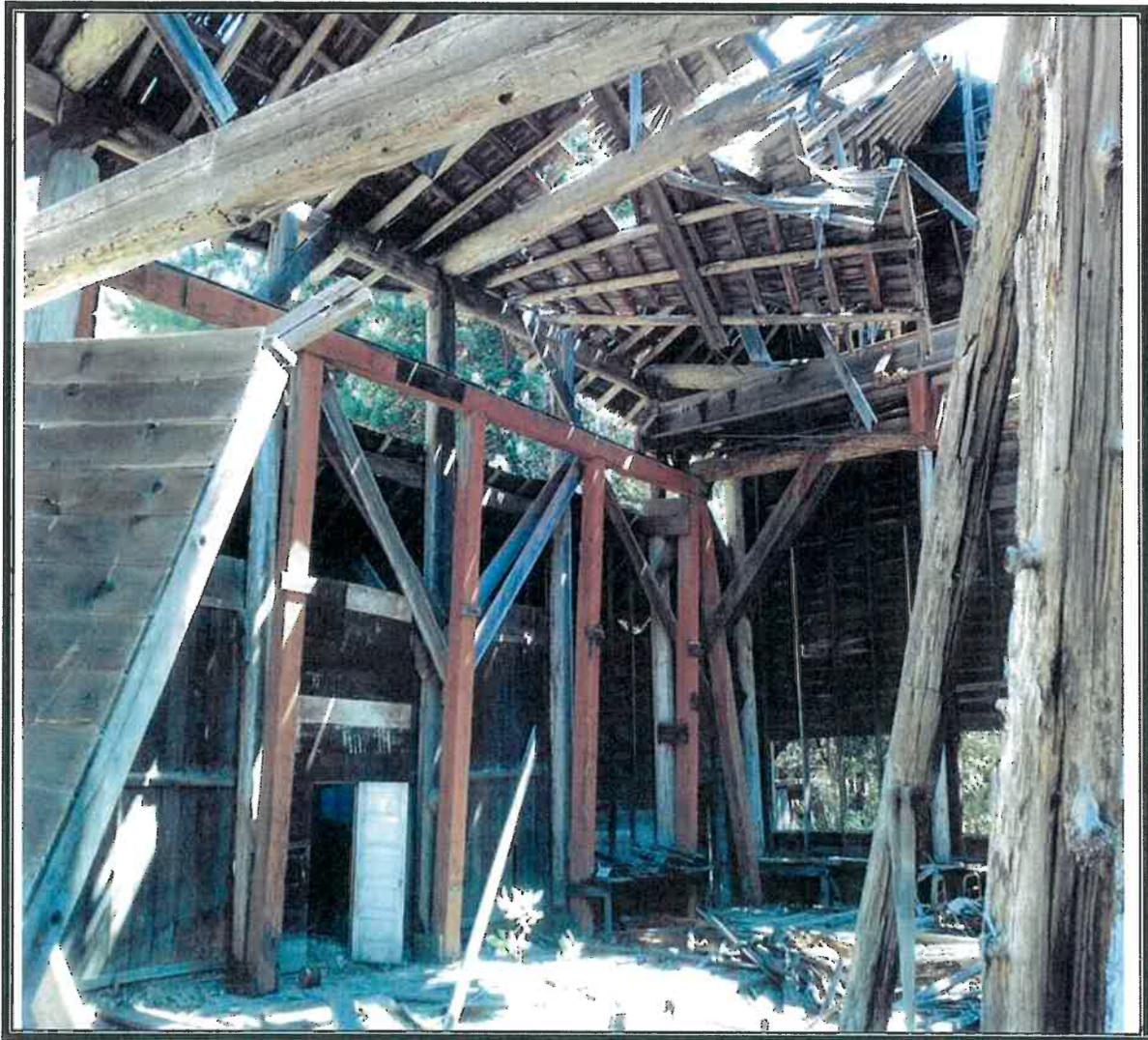


Figure 11. Picture of Inside of Structure and Gantry (2015).

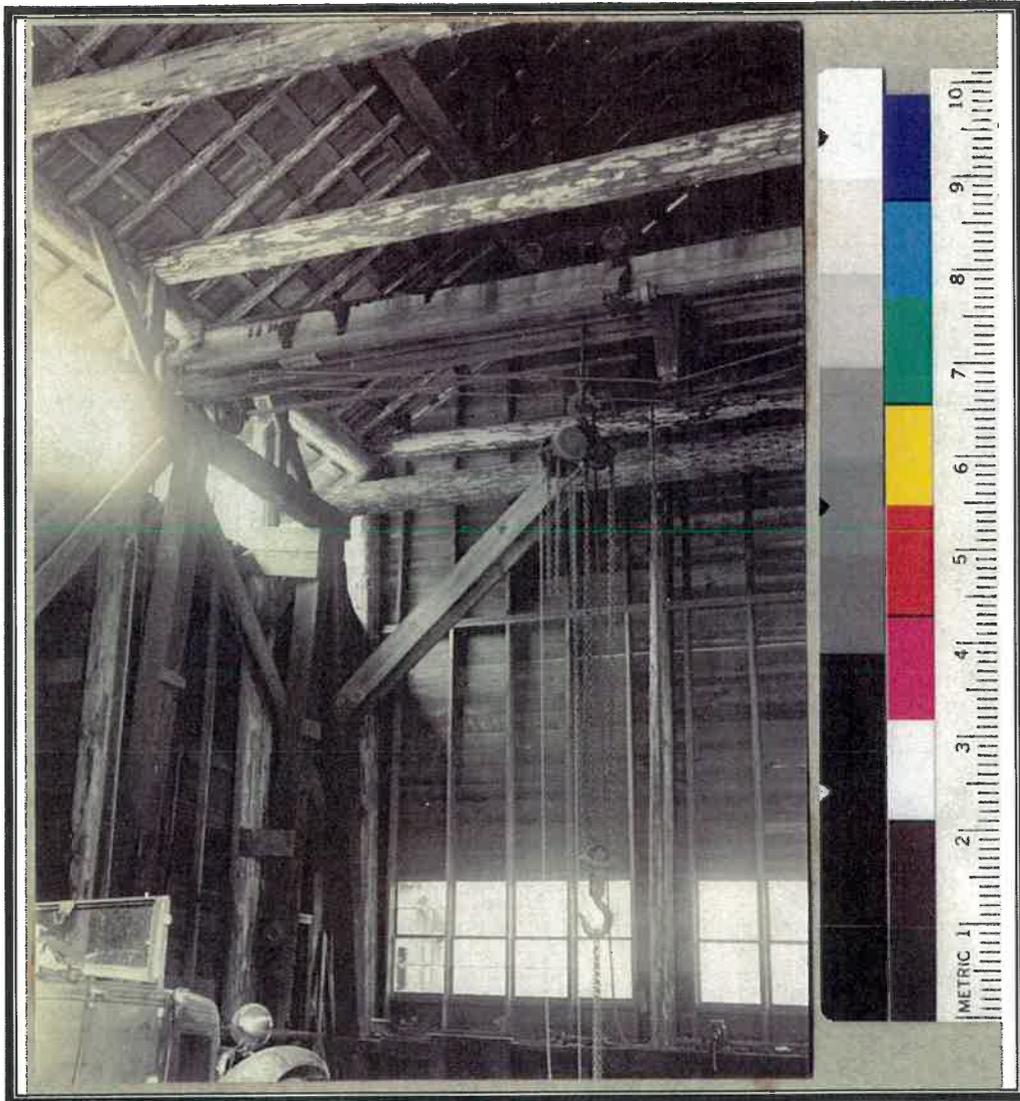


Figure 12. E. Fritz Historic Picture of Gantry (1941)

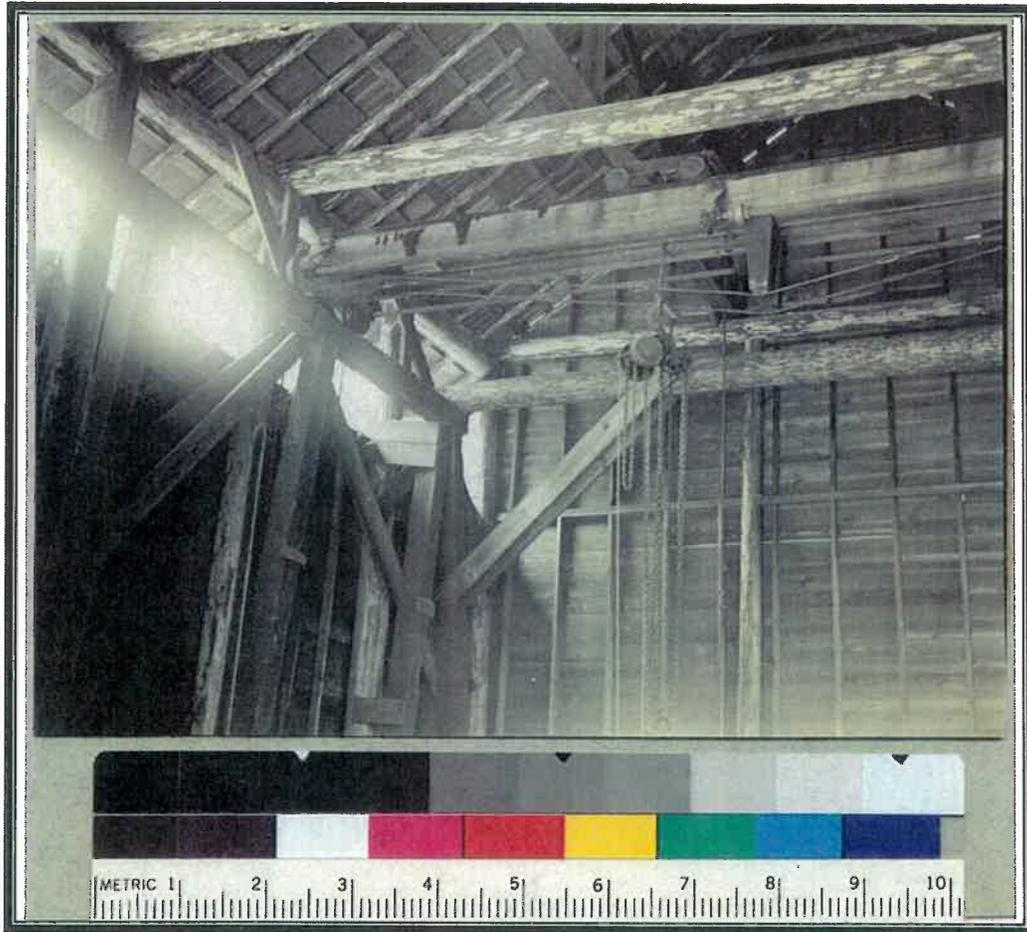


Figure 13. E. Fritz Historic Photo Detail of Gantry System (1941).

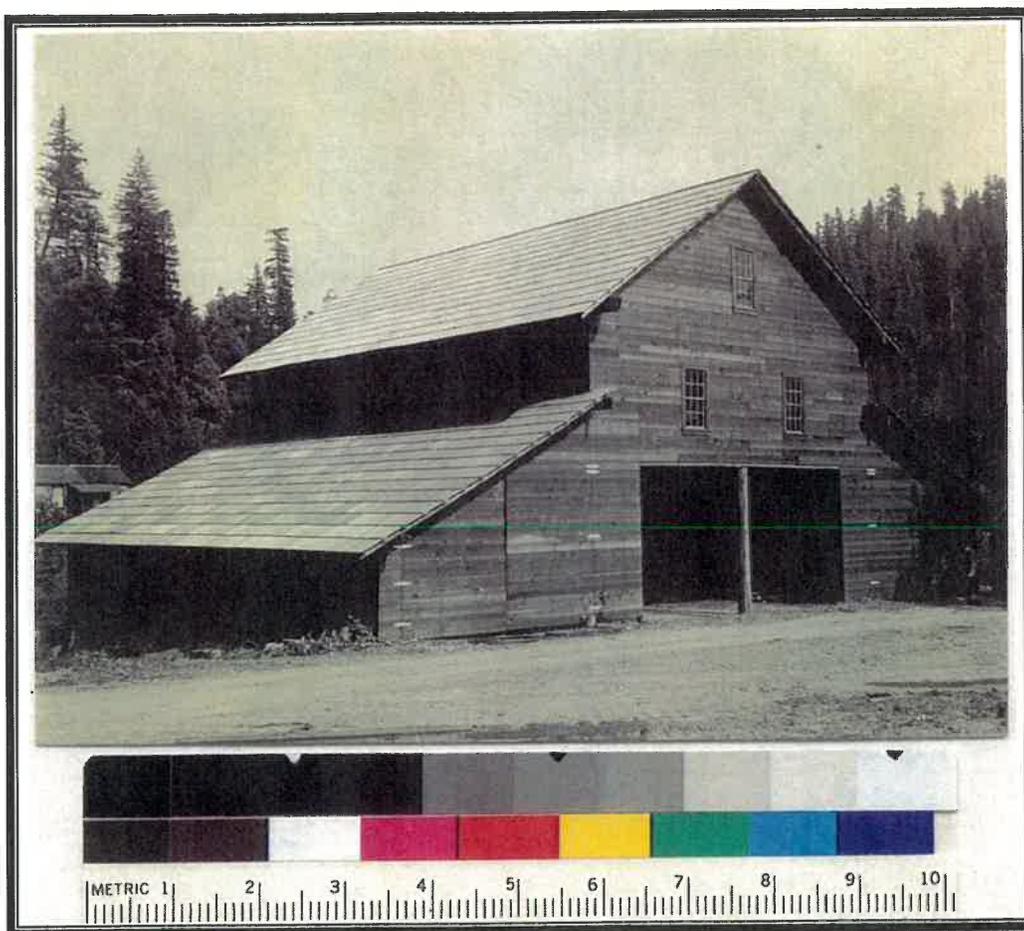


Figure 14. E. Fritz Historic Photo of Garage/Barn, Described as Tractor Repair Shed (1941).

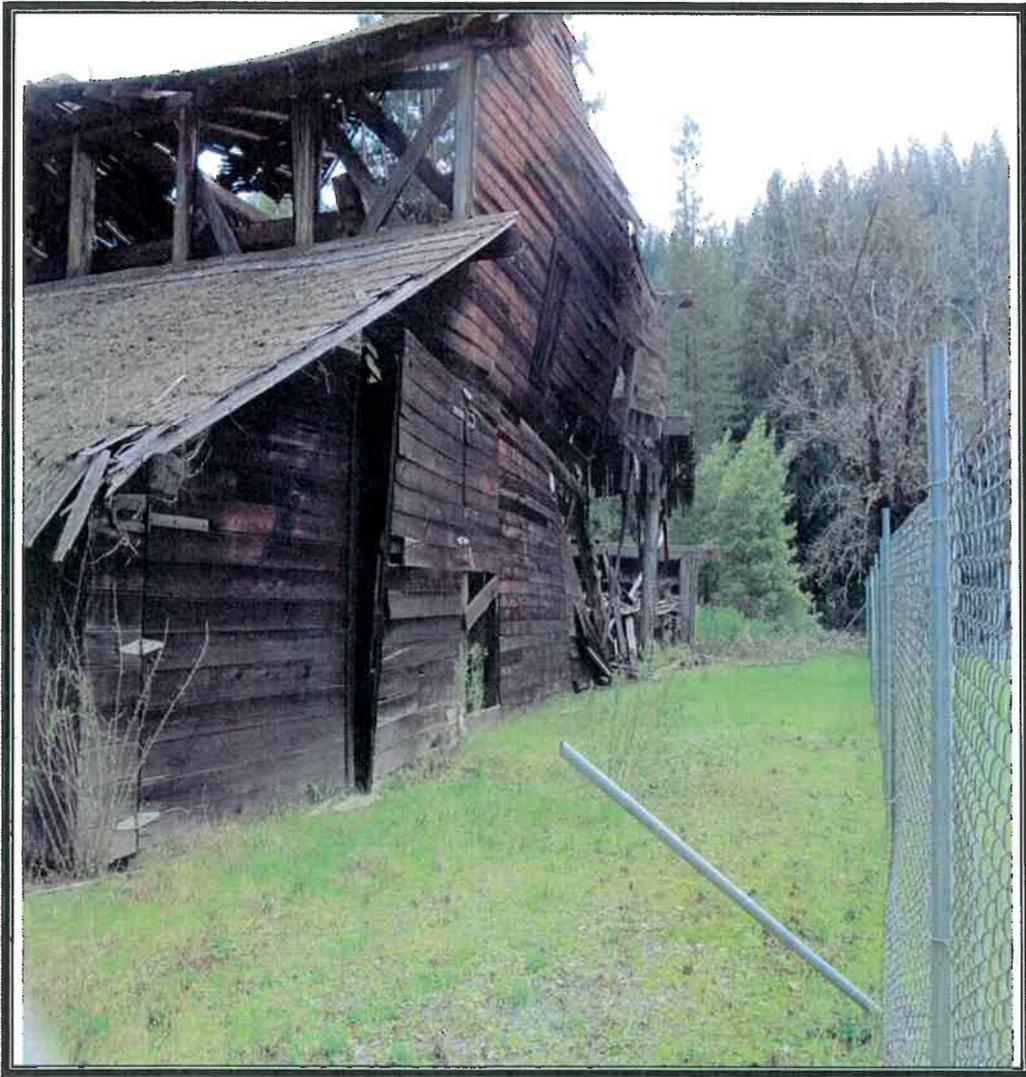


Figure 15. View of Structure Showing Outward Bow of Second Story Wall (2015).



Figure 16. View of Loose Structural Supports (2015).



Figure 17. View of Unsupported Structural Elements (2015).



Figure 18. View of Front Wall Bowing Out Towards Road 220 (2015).



Figure 19. View of Front of Structure with Outward Bow of Upper Portion of Exterior Wall Towards Road 220 (2015).



Figure 20. View of Front of Structure with Outward Bow of Exterior Wall (2015).



Figure 21. View of Front of Structure with Outward Bow of Exterior Wall Facing Road 220 (2015).

## **Conclusion of the Mitigated Negative Declaration**

### **Environmental Permits**

The proposed project may require the following environmental permits and CAL FIRE may be required to comply with the following State regulations:

1. This project does not propose to operate within or alter the bed, bank or channel of a Chamberlain Creek. However, if portions of this structure should fail and deposit into Chamberlain Creek, then a Lake or Streambed Alteration Agreement (LSAA) pursuant to Section 1602 of the California Fish and Game Code will need to be obtained prior to any work occurring in bed, bank or channel of Chamberlain Creek area to remove structural components.
2. CAL FIRE and/or its demolition contractors may be required to obtain a Demolition Permit from Mendocino County.

### **Mitigation Measures**

The following three mitigation measures will be implemented by CAL FIRE to avoid or minimize environmental impacts. Implementation of these mitigation measures will reduce the environmental impacts of the proposed project to a less than significant level.

#### **Mitigation Measure BIO #1: Measures to Protect Bat Species and the Ring Tailed Cat**

1. Structure demolition shall occur only during daylight hours.
2. A final visual inspection shall be conducted by a qualified biologist immediately preceding the demolition work.

#### **Mitigation Measure BIO #2: Measures to Protect Chamberlain Creek Water Quality**

1. All demolition activities shall cease during periods of precipitation (rain and/or showers).
2. No heavy equipment operation after an accumulated 0.25 inches of precipitation within a 24 hour period.
3. Heavy equipment operation may resume after precipitation ceases and a stable operating surface exists in the area of operation.
4. All exposed and disturbed soils shall be stabilized with a layer of clean rice straw mulch with an average coverage of 95% and 4 inches thick.
5. The outer edge of the work area where water flow is directed toward Chamberlin Creek shall have straw wattles installed.

#### **Mitigation Measure CUL #1: Measures to record and document the building and associated features.**

1. The JDSF staff person charged with oversight of the demolition and removal process shall inform Chuck Whatford, Associate State Archaeologist of the scheduled date(s) of the demolition so he can be present on-site during removal of the gantry equipment from inside the ruins and the subsequent

process of demolition and removal of the resulting debris to photo-document these events and to be on hand to inspect the footprint of the structure for subsurface artifacts and features (e.g. stone or concrete footings and/or foundation elements).

2. Within one year of the demolition of the Cat Barn (Garage), public interpretation media including, but not necessarily limited to, signboards, historical narratives and copies of historical photos of the Cat Barn (such as those in the published history of the Caspar Lumber Company (Wurm 1986), so to present images of the Cat Barn in its historical setting shall be installed at the site where the Cat Barn stood or at other locations at Camp 20 and shall include mention of the fact that the unique gantry equipment formerly location inside the Cat Barn will be on public display at the Mendocino County Fairgrounds (or whichever local public place is chosen at which to display the equipment).
3. CAL FIRE shall propose a long-term loan of the unique gantry equipment to the Roots of Motive Power or another local history group for public display. The installation of the equipment for display shall include interpretive signs with photos explaining its historical uses by Caspar Lumber Company, and the State Forest along with information on the former location.
4. In accordance with CAL FIRE's Management Plan for Historic Buildings and Archaeological Sites (2001), once demolition has taken place, the Historic Preservation Officer (Christopher Zimney, CAL FIRE) shall prepare an update to the previously prepared historic resource records of the Cat Barn (assigned trinomial CA-MEN-2297 H) and submit a copy to the Northwest Information Center at Sonoma State University.

### **Summary of Findings**

This IS/MND has been prepared to assess the project's potential effects on the environment and an appraisal of the significance of those effects. Based on this IS/MND, it has been determined that the proposed project will not have any significant effects on the environment after implementation of mitigation measures. This conclusion is supported by the following findings:

1. The proposed project will have no effect related to aesthetics, agriculture, forestry resources, air quality, geology, soils, greenhouse gas emissions, hazards, hazardous materials, land use, planning, mineral resources, noise, population, housing, public services, recreation, transportation, traffic, utilities and service systems.
2. The proposed project will have a less than significant impact on biological resources, cultural resources and hydrology and water quality.
3. Mitigation is required to reduce potentially significant impacts related to biological resources, cultural resources and hydrology and water quality.

The Initial Study/Environmental Checklist included in this document discusses the results of resource-specific environmental impact analyses which were conducted by the Department. This Initial Study revealed that potentially significant environmental effects could result from the proposed project; however, CAL FIRE revised its project plans and has developed mitigation measures which will eliminate impact or reduce environmental impacts to a less than significant level. CAL FIRE has found, in consideration of the entire record, that there is no substantial evidence that the proposed project as currently revised and mitigated

would result in a significant effect upon the environment. The IS/MND is therefore the appropriate document for CEQA compliance.

## INITIAL STUDY/ENVIRONMENTAL CHECKLIST

PROJECT INFORMATION					
1. Project Title:	Chamberlain Creek Barn/Garage Demolition Project				
2. Lead Agency Name and Address:	California Department of Forestry and Fire Protection P.O. 944246 Sacramento, CA 94244-2460				
3. Contact Person and Phone Number:	Chris Browder (916) 653-4995				
4. Project Location:	Jackson Demonstration State Forest, Mendocino County				
5. Project Sponsor's Name and Address:	N/A (CAL FIRE is project sponsor and lead agency)				
6. General Plan Designation:	Timberland Production (TP)				
7. Zoning:	Unclassified/State-owned property				
8. Description of Project: See Pages 6-8 of this document					
9. Surrounding Land Uses and Setting:	Refer to page 50 of this document				
10: Other public agencies whose approval may be required:	See page 30 of this document				
ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:					
<p>The environmental factors checked below are the ones which would potentially be affected by this proposed project and were more rigorously analyzed than the factors which were not checked. The results of this analysis are presented in the detailed Environmental Checklist which follows.</p>					
<input type="checkbox"/>	Aesthetics	<input type="checkbox"/>	Agriculture and Forestry Resources	<input type="checkbox"/>	Air Quality
<input checked="" type="checkbox"/>	Biological Resources	<input checked="" type="checkbox"/>	Cultural Resources	<input type="checkbox"/>	Geology / Soils
<input type="checkbox"/>	Greenhouse Gas Emissions	<input type="checkbox"/>	Hazards & Hazardous Materials	<input checked="" type="checkbox"/>	Hydrology / Water Quality
<input type="checkbox"/>	Land Use / Planning	<input type="checkbox"/>	Mineral Resources	<input type="checkbox"/>	Noise
<input type="checkbox"/>	Population / Housing	<input type="checkbox"/>	Public Services	<input type="checkbox"/>	Recreation
<input type="checkbox"/>	Transportation / Traffic	<input type="checkbox"/>	Utilities / Service Systems	<input type="checkbox"/>	Mandatory Findings of Significance

**DETERMINATION**

On the basis of this Initial evaluation:

I find that the proposed project **COULD NOT** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.

I find that although the proposed project **COULD** have a significant effect on the environment, there **WILL NOT** be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.

I find that the proposed project **MAY** have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.

I find that the proposed project **MAY** have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An **ENVIRONMENTAL IMPACT REPORT** is required, but it must analyze only the effects that remain to be addressed.

I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier **EIR** or **NEGATIVE DECLARATION** pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier **EIR** or **NEGATIVE DECLARATION**, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.



10/13/15

Duane Shintaku, Deputy Director,  
Resource Management  
Department of Forestry and Fire  
Protection  
P.O. Box 944246  
Sacramento, CA 94244-2460

Date Signed

## ANALYSIS OF POTENTIAL ENVIRONMENTAL IMPACTS

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>I. Aesthetics. Will the project:</b>				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which will adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### **Discussion**

**a) Will the project have a substantial adverse effect on a scenic vista?**

The proposed project consists of taking down an old structure that is currently failing. The structure is located on state property that is forestlands. The removal of the structure would restore the area to a natural state and would not have an impact on a scenic vista.

**b) Will the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?**

The project involves the removal of a designated historic building which is visible from Highway 20. Highway 20 is an eligible state scenic highway, but it has not been officially designated. A less than significant impact would occur.

**c) Will the project substantially degrade the existing visual character or quality of the site and its surroundings?**

This project involves the demolition of a partially collapsed barn/garage structure and removal of all debris from the site. The structure is visible from Highway 20, however the removal of the partially collapsed structure may be considered by some as an improvement of the overall environmental aesthetics of the area as it would restore the area to a natural state with clear views of the forested landscape. The removal of the building is not anticipated to have a significant impact on the visual character of the area. A less than significant impact would occur.

**d) Will the project create a new source of substantial light or glare which will adversely affect day or nighttime views in the area?**

The removal of the building will not create any light or glare. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>II. Agriculture and Forest Resources.</b>				
<p>In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997, as updated) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:</p>				
<p>a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>b) Conflict with existing zoning for agricultural use or a Williamson Act contract?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>c) Conflict with existing zoning for, or cause rezoning of forest land (as defined in Public Resources Code §12220(g)), timberland (as defined by Public Resources Code §4526), or timberland zoned Timberland Production (as defined by Government Code §51104(g))?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>d) Result in the loss of forest land or conversion of forest land to non-forest use?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>e) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

**a) Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?**

The project proposes to remove an historic building on State land. No impact would occur to farmland.

**b) Would the project conflict with existing zoning for agricultural use or a Williamson Act contract?**

The project would not conflict with any zoning for agriculture use or a Williamson Act contract. No impact would occur.

**c) Would the project conflict with existing zoning for, or cause rezoning of forest land (as defined in Public Resources Code §12220(g)), timberland (as defined by Public Resources Code §4526), or timberland zoned Timberland Production (as defined by Government Code §51104(g))**

The project is on forested lands and involves the removal of a barn/garage. No impact would occur.

**d) Would the project result in the loss of forest land or conversion of forest land to non-forest use?**

The project does not involve the cutting and/or removal of any trees. No impact would occur.

**e) Would the project involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?**

The project does not involve the change in use or conversion of land or any substantial alteration of land. The area occupied by the structure will be allowed to return to a natural state after the structure is removed. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>III. Air Quality.</b>				
Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied on to make the following determinations. Will the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Information about Air Quality**

The project area is located within the Mendocino County Air Quality Management District (MCAQMD). There are no particular air quality issues for the project area. This project is expected to produce small amounts of dust due to the ground surface disturbance caused by heavy equipment operation. Fugitive dust is caused by grading, track equipment, exposed stockpiles of soil, unimproved roads/parking areas. This project proposes to use heavy equipment in the demolition and removal of the structure. The heavy equipment operation area is not significant and will be done over a limited time period. Because the heavy equipment operation area is limited in size it will not create significant fugitive dust conditions that would be subject to Rules 1-400(a), 1-430(a) and 1-1430(b) of the Mendocino County Air Quality Management District.

This project will also utilize diesel powered heavy equipment in the demolition of the structure as well as diesel powered trucks to haul off the material from the site. It is anticipated that the total project will take approximately two weeks to complete.

### **Discussion**

#### **a) Will the project conflict with or obstruct implementation of the applicable air quality plan?**

The project would not conflict or obstruct the implementation of an applicable air quality plan. No impact would occur.

#### **b) Will the project violate any air quality standard or contribute substantially to an existing or projected air quality violation?**

Although the project involves removing a structure using diesel equipment, the short duration of demolition activities and the small size of the project would not violate any air quality standard or contribute substantially to an existing air quality violation. Impacts are less than significant.

#### **c) Will the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?**

The ground surface area between the structure and forest Road 220 has obvious signs of road surface rock. It is likely that a thick layer of competent rock is on the majority of the area where heavy equipment will be operating, thus it is expected that dust generated by equipment disturbance of the ground surface will be limited due to the presence of this rock layer. In addition, because this is a historic structure, the structure will be carefully dismantled in order to recycle as much of the remaining wooden components as possible. It is expected that the process of careful dismantling will generate very little dust due to this component of the operation.

Construction emissions associated with diesel powered heavy equipment will be short term and will be temporary in nature. The project would not have a significant impact.

#### **d) Will the project expose sensitive receptors to substantial pollutant concentrations?**

Sensitive receptors in the area include CAL FIRE personnel, construction workers, drivers on Highway 20 and visitors of the Camp 20 day use area. No significant air quality emissions are expected to be produced from this project, thus the impact to sensitive receptors is less than significant.

#### **e) Will the project create objectionable odors affecting a substantial number of people?**

The project would not create any objectionable odors that would affect a substantial number of people in the area. The diesel emissions from the demolition equipment may create an odor, but the limited use of such equipment and the short duration of the activities would not create a significant impact. Impacts are less than significant.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>IV. Biological Resources. Will the project:</b>				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or the U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Game or the U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Information about Biological Resources

An inventory and assessment of the biological resources was conducted by the Project Manager, Tina Fabula, JDSF Staff Biologist, and Michael Baker, CAL FIRE Staff Biologist on August 19, 2015. Informal consultations with the California Department of Fish and Wildlife (CDFW) took place during the preparation of the Initial Study. CDFW staff generally did not have any concern over the proposed project, except for potential bat use of the structure.

The California Natural Diversity Database (CNDDDB) was reviewed for this project area and the nine USGS quadrangles surrounding the project area. No identified biological resources within or immediately adjacent to the structure were identified. However, the area surrounding the structure provides habitat for the following species: *Rana boylei* (Foothill Yellow-legged frog), *Rana aurora* (Northern Red-legged frog), *Ascaphus truei* (Pacific tailed frog), *Oncorhynchus tshawytscha* (Chinook salmon), *Oncorhynchus kisutch* (Coho salmon), *Oncorhynchus mykiss irideus* (Steelhead), *Myotis lucifugus* (Little brown bat), *Myotis volans* (Long-legged myotis), *Lasiurus noctivagans* (silver-haired bat), *Corynorhinus townsendii* (Townsend's big-eared bat), *Myotis yumanensis* (Yuma myotis), *Lasiurus cinereus* (Hoary bat).

The proposed project includes heavy equipment operation within close proximity (approximately 50-75 feet) of Chamberlain Creek. Heavy equipment disturbance will be limited to the gentle slopes adjacent to forest Road 220 and no disturbance to the stream bed/bank/channel is expected or necessary.

The scope of the biological review for this project included several on-site visits by the Project Manager and CAL FIRE biologists, one bat emergence survey and a search of the CNDDDB for sensitive resources. The biological review is considered adequate for a project of this type given that the project size and scope is

limited to the structure, the foot print of the structure and the area between forest Road 220 and the structure that is maintained as a road pullout.

### **Discussion**

**a) Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or the U.S. Fish and Wildlife Service?**

Two species have the potential to occur on or near the project site. The Townsend's big-eared bat (*Corynorhinus townsendii*) that is a California Candidate Species listed as Threatened and the Ring-tailed cat (*Bassariscus astutus*) California Fully Protected Species.

A bat emergence survey was conducted by Tina Fabula (CAL FIRE Biologist) and Mike Powers (CAL FIRE Forester II) on August 4, 2015. Bat species were observed foraging in the area of the barn but it was uncertain that bats had emerged from the structure at sunset. During the bat emergence survey a Ring Tailed Cat was observed perching on the barn above a door and retreating back into the barn.

A daytime inspection of the structure to assess bat use and habitat was conducted by Tina Fabula, Mike Powers and Michael Baker (CALFIRE Biologist) on August 19, 2015. A careful inspection of the remaining standing portions of the barn and underneath resulted in no sensitive species observed in the structure during the daytime inspection. The assessment provided by Michael Baker indicated that, the remaining structure could serve as a night roost for bats, but is highly unlikely to be used as a day roost by bats. While the availability of day roosts is a limiting factor for bats, the availability of night roosts is not, as night roosts are merely locations where bats rest and digest for relatively short periods between foraging bouts and do not provide the specific microclimates or protection from predators that day roosts provide. Bats are active at night and rely on escape behaviors to avoid predation in night roosts, whereas bats are typically inactive or less active in day roosts and therefore, highly vulnerable to disturbance and predation due to drastically reduced ability to safely escape disturbance events or predation attempts. It is likely that the bats detected near the barn in dusk bat surveys were merely foraging in the area and it is highly unlikely that those bats were day roosting in this structure due to its exposure to the elements and inherent inability to provide protection from predators or stable microclimates conducive to day roosting.

Because no presence or sign of ring-tailed cats was detected during the daytime survey, it is unlikely that the ring-tailed cat noted during dusk bat surveys is using this site as a den. Rather, it is more likely that the ring-tailed cat seen during bat surveys was engaged in nocturnal foraging at the site."

In order to minimize and/or avoid impacts to biological resources the following shall be implemented as recommended by Michael Baker (CAL FIRE, Biologist). With implementation of BIO#1, impacts would be less than significant.

#### **Mitigation Measure BIO#1: Measures to Protect Bat Species and the Ring Tailed Cat**

1. Structure demolition shall occur only during daylight hours.
2. A final visual inspection shall be conducted by a qualified biologist immediately preceding the demolition work.

**b) Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations or by the California Department of Fish and Game or the U.S. Fish and Wildlife Service?**

As described above, the structure is adjacent to Chamberlain Creek and as such the riparian habitat of the watercourse channel could potentially be affected by the proposed project. No alterations to the existing riparian habitat is proposed or necessary for the implementation of this demolition project. Potential impacts from soil disturbance and water runoff are addressed and the implementation of the mitigation measures will reduce this impact to a less than significant level.

The project is located within the Class I Watercourse and Lake Protection Zone (WLPZ) of Chamberlain Creek. Heavy equipment will be used to demolish and remove the structure and all contents within this same zone. It is anticipated that some disturbance of surface soil would occur. With implementation of the following, impacts would be less than significant.

**Mitigation Measure BIO#2: Measures to Protect Chamberlain Creek Water Quality**

1. All demolition activities shall cease during periods of precipitation (rain and/or showers).
2. No heavy equipment operation after an accumulated 0.25 inches of precipitation within a 24 hour period.
3. Heavy equipment operation may resume after precipitation ceases and a stable operating surface exists in the area of operation.
4. All exposed and disturbed soils shall be stabilized with a layer of clean rice straw mulch with an average coverage of 95% and 4 inches thick.
5. The outer edge of the work area where water flow is directed toward Chamberlain Creek shall have straw wattles installed.

**c) Would the project have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?**

No wetlands as defined by Section 404 of the Clean Water Act occur at the project site or will be affected by the demolition operations. No impact would occur.

**d) Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?**

The proposed project occurs within a forested landscape, and as such raptor bird species are likely using the surrounding forest. Visual inspection of the surrounding trees did not reveal any nest structures and the project does not propose to remove or disturb any trees. The proposed project will not likely substantially interfere with raptor species. The proposed project would remove a structure that would

allow more movement throughout the area for wildlife species. There are no known migratory corridors located on the project site. Impacts would be less than significant.

**e) Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?**

The project would not conflict with any local policies or ordinances protecting biological resources. No trees would be removed as a result of the project. No impact would occur.

**f) Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?**

The proposed project site is not within the boundaries of a Habitat Conservation Plan, Natural Community Conservation Plan, or other habitat conservation plan. The project is located within the JDSF. In addition, the project does not conflict with the Jackson Demonstration State Forest Management Plan (2008).

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>V. Cultural Resources. Will the project:</b>				
a) Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Information about Cultural Resources**

In response to California Executive Order W-26-92, issued in 1992, CAL FIREs Archaeology Program initiated cultural resource inventories upon most of its land parcels throughout the state in order to prepare a statewide management plan for historic buildings and archaeological sites. The management plan, and associated Environmental Impact Report were completed in 2001 (Foster and Thornton 2001, Foster and Sosa 2001). As part of this work, two comprehensive, statewide inventories for historic buildings and structures were completed by CAL FIREs consulting historian Mark V. Thornton. The first of these was an inventory and assessment of all 77 of CAL FIREs fire lookout stations (Thornton 1993) followed by an inventory and assessment of all FFS compounds, conservation camps and administrative sites containing buildings or structures which were constructed prior to 1946 (Thornton 1994).

The entire project area has been subjected to intensive cultural resource investigations by outside professional archaeologists working for CAL FIRE and by CAL FIRE Archaeological staff.

## **Discussion**

### **a) Would the project cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?**

The "CAT" barn/garage is one of two historical structures within the forest boundaries of JDSF. The structure has been managed as a "standing ruin" for a number of years. Numerous site visits, records and documents have been made for this structure by CAL FIRE Archeologists Chuck Whatford and Dan Foster. The structure is a recorded site (CA-MEN-2297H) with the Northwest Information Center at Sonoma State University.

Most recently, Chuck Whatford produced an assessment of the current condition of the structure on August 28, 2013 and recommended demolition and removal. Christopher Zimny (CAL FIRE Historic Preservation Officer), concurred and authorized the demolition on January 27, 2015. The following mitigation measures shall be implemented to reduce impacts to a less than significant level.

#### **Mitigation Measure CUL #1: Measures to record and document the building and associated features.**

1. The JDSF staff person charged with oversight of the demolition and removal process shall inform Chuck Whatford, Associate State Archaeologist of the scheduled date(s) of the demolition so he can be present on-site during removal of the gantry equipment from inside the ruins and the subsequent process of demolition and removal of the resulting debris to photo-document these events and to be on hand to inspect the footprint of the structure for subsurface artifacts and features (e.g. stone or concrete footings and/or foundation elements).
2. Within one year of the demolition of the Cat Barn (Garage), public interpretation media including, but not necessarily limited to, signboards, historical narratives and copies of historical photos of the Cat Barn (such as those in the published history of the Caspar Lumber Company (Wurm 1986), so to present images of the Cat Barn in its historical setting shall be installed at the site where the Cat Barn stood or at other locations at Camp 20 and shall include mention of the fact that the unique gantry equipment formerly location inside the Cat Barn will be on public display at the Mendocino County Fairgrounds (or whichever local public place is chosen at which to display the equipment).
3. CAL FIRE shall propose a long-term loan of the unique gantry equipment to the Roots of Motive Power or another local history group for public display. The installation of the equipment for display shall include interpretive signs with photos explaining its historical uses by Caspar Lumber Company and State Forest, along with information on the former location.
4. In accordance with CAL FIRE's Management Plan for Historic Buildings and Archaeological Sites (2001), once demolition has taken place, the Historic Preservation Officer (Christopher Zimney, CAL FIRE) shall prepare an update to the previously prepared historic resource records of the Cat Barn (assigned trinomial CA-MEN-2297 H) and submit a copy to the Northwest Information Center at Sonoma State University.

**b) Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 15064.5?**

There are no known archaeological resources within or adjacent to the project area. No impact would occur.

**c) Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?**

There are no known paleontological resources/sites or unique geologic features within or adjacent to the project area. No impact would occur.

**d) Would the project disturb any human remains, including those interred outside of formal cemeteries?**

No impact. There are no known human remains, including those interred outside of formal cemeteries known to exist within or adjacent to the project area. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>VI. Geology and Soils. Would the project:</b>				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to California Geological Survey Special Publication 42.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that will become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994, as updated), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## **Discussion**

### **a) Would the project expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:**

#### **i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? (Refer to California Geological Survey Special Publication 42.)**

The closest fault zone is the Maacama Fault Zone located approximately 16 miles away in the town of Willits. The proposed project will not be impacted by this fault zone as it is proposing the removal of a deteriorated structure. No impact would occur.

#### **ii) Strong seismic ground shaking?**

The proposed project and has no potential to be affected by strong seismic ground shaking. No impact would occur.

#### **iii) Seismic-related ground failure, including liquefaction?**

The proposed project has no potential to be affected by seismic-related ground failure, including liquefaction. No impact would occur.

#### **iv) Landslides?**

The proposed project has no potential to be affected by landslides. No impact would occur.

### **b) Would the project result in substantial soil erosion or the loss of topsoil?**

The total project disturbance area is estimated to be less than one acre in size. The slopes of the operational area are gentle and where the heavy equipment will be operating there is a competent layer of rock base on the ground surface. No significant soil erosion or loss of topsoil is expected due to the project. Impacts would be less than significant.

### **c) Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?**

The proposed project will not be affected by unstable soils. No impact would occur.

### **d) Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994, as updated), creating substantial risks to life or property?**

The proposed project consists of dismantling a deteriorated structure and has no potential to be affected by expansive soils.

**e) Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?**

The proposed project does not propose to install a septic tank nor does a septic tank exist at the project site. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>VII. Greenhouse Gas Emissions. Would the project:</b>				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Information about Greenhouse Gas Emissions**

CEQA guidelines Sec. 15064.4 requires a lead agency to make a good-faith effort, based on the extent possible on scientific and factual data, to describe, calculate, or estimate the amount of Greenhouse Gas (GHG) emissions that are expected from a project and to make a careful judgement to determine significance. The analysis conducted below is in accordance with GHG analysis requirements found in the CEQA Guidelines and utilized recently published technical guidance for CEQA environmental impact studies (ICF Jones and Stokes 2007, CAPCOA 2008 and OPR 2008). State law (Health and Safety Code Sec. 38505g) defines greenhouse gas to include carbon dioxide, methane, nitrous oxide, hydrofluorocarbons, perfluorocarbons and hexafluoride. GHG emissions are estimated based on what would result from the implementation of the proposed project. It is estimated that the project will take approximately 10 days to complete all phases.

**a) Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?**

The following table presents the estimated GHG emissions from each of the major project activities.

Project Activity	Quantity	Conversion Factor	GHG Emissions in CO <sub>2</sub> e in metric tons (2204.6 lbs)
Diesel Fuel Used for Demolition	100 gallons	10.15 KG/GAL (100 x 10.15/1000)	1.05
Gasoline Consumed During Construction Worker/CALFIRE Trips to Project Site	200 gallons	10.15 KG/GAL (100 x 10.15/1000)	2.10
Diesel Fuel Used for Transport of Wood and Debris	400 gallons	10.15 KG/GAL (100 x 10.15/1000)	4.20
<b>Total</b>			<b>7.35</b>

It is the determination of this analysis that the total GHG emissions associated with the implementation of this project are 7.35 metric tons of CO<sub>2</sub>.

The significance threshold CAL FIRE used to determine significance is the threshold established by the California Air Pollution Control Officers Association which is 900 tons/yr. for indirect sources (combined construction and operational emissions). Based upon this threshold, CAL FIRE has determined impacts to greenhouse gas emissions are less than significant.

**b) Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?**

The project would not conflict with an applicable plan, policy or regulation for purposes of reducing GHG emissions. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>VIII. Hazards and Hazardous Materials. Would the project:</b>				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and/or accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, will it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, Would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, Would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

**a) Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?**

This project does not propose to transport, use or dispose of hazardous materials. The old barn/garage does not contain any hazardous materials that would pose a significant hazard to the public or environment. No impact would occur.

**b) Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and/or accident conditions involving the release of hazardous materials into the environment?**

The project would not create a significant hazard as no hazardous materials exist in the building or on the project site. No impact would occur.

**c) Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?**

The proposed project consists of the removal of a deteriorated building. No hazardous emissions or hazardous materials, substances or waste will be produced as a result of the project. Additionally, there are no existing or proposed schools within one-quarter mile of the project area.

**d) Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code §65962.5 and, as a result, would it create a significant hazard to the public or the environment?**

The project is not included on any list of hazardous materials sites. The project is located on state forest lands. No impact would occur.

**e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?**

The project is not located within an airport land use plan or within two miles of a public airport or public use airport. No impact would occur.

**f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?**

The project is not within the vicinity of a private airstrip. No impact would occur.

**g) Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?**

The project does not impair the implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. No impact would occur.

**h) Would the project expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?**

The project does not expose people or structures to a significant risk of loss, injury or death involving wildland fire, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>IX. Hydrology and Water Quality. Would the project:</b>				
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there will be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells will drop to a level that will not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which will result in substantial on- or off-site erosion or siltation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in on- or off-site flooding?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures that would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j) Result in inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Discussion

**a) Would the project violate any water quality standards or waste discharge requirements?**

The project will not violate any water quality standards or waste discharge requirements. No stormwater runoff from the project area is expected to reach any watercourse. No impact would occur.

**b) Would the project substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing**

**nearby wells would drop to a level that would not support existing land uses or planned uses for which permits have been granted)?**

The project does not propose to use groundwater supplies or interfere substantially with groundwater recharge. The project consists of the removal of a deteriorated historic structure. No impact would occur.

**c) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial on- or off-site erosion or siltation?**

The project does not propose to alter the ground surface drainage patterns or alter any stream or river. No impact would occur.

**d) Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in on- or off-site flooding?**

The project does not propose to alter the ground surface drainage patterns or alter any stream or river. The project does not propose any alterations or activities that would increase the rate or amount of surface runoff from what already exists at the project site. No impact would occur.

**e) Would the project create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?**

The project would not create or contribute runoff water. No impact would occur.

**f) Would the project otherwise substantially degrade water quality?**

The proposed project includes heavy equipment operation within the riparian zone/Watercourse and Lake Protection Zone (WLPZ) of Chamberlain Creek. The operation of heavy equipment is expected to disturb the ground surface and create fine silt/sediment material that is loose and could be carried by rain water to the nearby creek. As such appropriate operational mitigations have been incorporated into the project (see section *IV Biological Resources (b), Mitigation Measure BIO#2*). With implementation of BIO#2, the impact would be less than significant.

**g) Would the project place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?**

The project does not propose to place any housing within a 100 year flood hazard area. No impact would occur.

**h) Would the project place within a 100-year flood hazard area structures that would impede or redirect flood flows?**

The project does not propose to place any housing or structures within a 100 year flood hazard area or redirect flood flows. No impact would occur.

**i) Would the project expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam?**

The project does not propose to place any people or structures within a 100 year flood hazard area including flood prone areas or in an area where the failure of a levee or dam could result in flooding. No impact would occur.

**j) Would the project result in inundation by seiche, tsunami, or mudflow?**

The project does not involve the construction or placement of housing or structures vulnerable to inundation by seiche, tsunami, or mudflows. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>X. Land Use and Planning. Would the project:</b>				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, a general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

**a) Would the project physically divide an established community?**

The proposed project occurs outside the boundaries of an established community within a state forest. No impacts would occur.

**b) Would the project conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to, a general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?**

The proposed project is not in conflict with any applicable land use plan, policy or regulation of an agency with jurisdiction over the project. No impact would occur.

**c) Would the project conflict with any applicable habitat conservation plan or natural community conservation plan?**

The project site is not located within a habitat conservation plan or natural community conservation plan area. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XI. Mineral Resources. Would the project:</b>				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

**a) Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?**

The project would not result in the loss of mineral resources. The project site is located on state forest lands that do not contain mineral resources or allow for their extraction. No impact would occur.

**b) Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?**

The project does not impact any locally important mineral resource recovery sites. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XII. Noise. Would the project result in:</b>				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or in other applicable local, state, or federal standards?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, will the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, will the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Discussion

**a) Would the project create exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or in other applicable local, state, or federal standards?**

Although there would be noise generated demolition activities are not anticipated to generate noise levels in excess of standards established in the local general plan or noise ordinance or other applicable local, state or federal standards. The demolition will be done in increments so as to retain as much wood and materials as possible for re-use and historical recordation. Impacts would be less than significant.

**b) Would the project create exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?**

Demolition activities will not involve the use of explosives, pile driving or other intensive construction techniques that could generate vibration or noise. No impact would occur.

**c) Would the project create a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?**

The proposed project is expected to take approximately 10 days from start to finish and is only temporary in nature. No impact would occur.

**d) Would the project create a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?**

There will be a temporary increase in ambient noise at the project site due to heavy equipment operation and trucks used for hauling of the wood and debris from the site. This project is located within 200 feet

of state Highway 20, which generate a substantial amount of traffic related noise. It is not expected that the implementation of this project will result in a significant impact due to an increase in ambient noise. Impacts would be less than significant.

**e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?**

The project is not within an airport land use plan area or where such as plan has not been adopted, or within two miles of a public airport/public use airport. No impact would occur.

**f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?**

The project is not within the vicinity of a private airstrip. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XIII. Population and Housing. Would the project:</b>				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Displace substantial numbers of existing homes, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

**a) Would the project induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?**

The project does not propose any development which would have a direct or indirect impact on the population growth of an area. No impacts would occur.

**b) Would the project displace substantial numbers of existing homes, necessitating the construction of replacement housing elsewhere?**

This project does not propose to displace any homes. The project consists of the removal of a structure on state lands. No impact would occur.

**c) Would the project displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?**

The project would not displace any people. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XIV. Public Services. Would the project:</b>				
a) Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Discussion**

**a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:**

**Fire protection?**

The project will not result in any alteration of governmental facilities related to fire protection. No impact would occur.

**Police protection?**

The project will not result in any alteration of governmental facilities related to police protection. No impact would occur.

**Schools?**

The project will not result in any alteration of governmental facilities related to schools. No impact would occur.

**Parks?**

The project will not result in any alteration of governmental facilities related to parks. No impact would occur.

**Other public facilities?**

The project will not result in any alteration of governmental facilities related to fire protection. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XV. Recreation. Would the project:</b>				
a) Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Discussion

**a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?**

The project does not involve developed areas with neighborhoods, regional parks or other recreational facilities. No impact would occur.

**b) Would the project include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment?**

The project does not include recreational facilities or require the construction or expansion of recreational facilities. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XVI. Transportation/Traffic. Would the project:</b>				
a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with an applicable congestion management program, including but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## **Discussion**

- a) Would the project conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?**

The project does not conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the transportation system, nor does the project alter the physical characteristics of the transportation system. No impact would occur.

- b) Would the project conflict with an applicable congestion management program, including but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?**

The project would not conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the transportation system, nor does the project alter the physical characteristics of the transportation system. During demolition activities trucks would haul all materials and would use the forest road and Highway 20. The limited amount of trucks and crew would not create enough traffic to have a significant impact on levels of service on Highway 20. Impacts would be less than significant.

- c) Would the project result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?**

The project would not result in a change in air traffic patterns or result in substantial safety risk. No impacts would occur.

- d) Would the project substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?**

The project consists of the removal of a deteriorated historic building. No hazards would be created as it relates to traffic and safety. No impacts would occur.

- e) Would the project result in inadequate emergency access?**

The project would not result in inadequate emergency access. The site is located adjacent to Highway 20 which provides access to the project site. No impacts would occur.

- f) Would the project conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?**

The project does not conflict with any adopted plan, ordinance, program, or policy regarding public transit, bicycle or pedestrian facilities. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XVII. Utilities and Service Systems. Would the project:</b>				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in a determination by the wastewater treatment provider that serves or may serve the project that it has adequate capacity to serve the project's projected demand, in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Discussion

**a) Would the project exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?**

The project does not propose to generate any new water or wastewater, treatment facilities, or expansion of existing facilities. No impact would occur.

**b) Would the project require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?**

The project would not require or result in the construction of new water or wastewater, treatment facilities, or expansion of existing facilities. No impact would occur.

**c) Would the project require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?**

The project would not require or result in the construction of new storm water drainage facilities or expansion of existing facilities. The project is to demolish a deteriorating structure. No impact would occur.

**d) Would the project have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?**

The project would not need to obtain water supplies as no development is occurring on the project site. No impact would occur.

**e) Would the project result in a determination by the wastewater treatment provider that serves or may serve the project that it has adequate capacity to serve the project's projected demand, in addition to the provider's existing commitments?**

The project would not require to be served by a wastewater treatment provider. No impact would occur.

**f) Would the project be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?**

The project proposes to disassemble a deteriorated historic structure. As part of this process, recordation and re-use of as much of the structure is planned. The re-use and recycling of most of the structure would not create a significant impact on a local landfill. Impacts would be less than significant.

**g) Would the project comply with federal, state, and local statutes and regulations related to solid waste?**

The project would not generate solid waste. No impact would occur.

ENVIRONMENTAL ISSUES	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XVIII. Mandatory Findings of Significance.</b>				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of an endangered, rare, or threatened species, or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Does the project have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Authority: Public Resources Code Sections 21083 and 21083.05.

Reference: Government Code Section 65088.4, Public Resources Code Sections 21080(c), 21080.1, 21080.3, 21083.05, 21083.3, 21093, 21094, 21095, and 21151; *Sundstrom v. County of Mendocino*, (1988) 202 Cal.App.3d 296; *Leonoff v. Monterey Board of Supervisors* (1990), 222 Cal.App.3d 1337; *Eureka Citizens for Responsible Government v. City of Eureka* (2007) 147 Cal.App.4th 357; *Protect the Historic Amador Waterways v. Amador Water Agency* (2004) 116 Cal.App.4th at 1109; *San Franciscans Upholding the Downtown Plan v. City and County of San Francisco* (2002) 102 Cal.App.4th 656.

**Discussion**

- a) Would the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of an endangered, rare, or threatened species, or eliminate important examples of the major periods of California history or prehistory?**

The proposed project consists of the demolition of a partially collapsed structure that is posing a hazard to public safety and the nearby creek. Implementation of the project will not substantially reduce the habitat of a fish or wildlife species; cause a fish or wildlife population to drop below self-sustaining levels; threaten to eliminate a plant or animal community; reduce or restrict the range of rare, threatened or endangered plants or animals or eliminate important examples of the major periods of California history or prehistory. Cultural resources at the site are limited to the structure which contains some historic components. Detailed analysis led to the conclusion that the impacts would not cause a substantial adverse change to historical resources and the project will not eliminate important examples of a major period of California's history or prehistory. Mitigation measures have been incorporated for biological and cultural resources to prevent any significant impacts from occurring.

- b) Would the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)**

The project would not generate cumulative effects since the proposed project is to demolish an existing structure and does not propose any replacement structure. Once the structure has been demolished and removed the foot print of the structure will not be altered and allowed to return to a natural state. No impacts would occur.

- c) Would the project have environmental effects that would cause substantial adverse effects on human beings, either directly or indirectly?**

No project related environmental effects were identified that would cause a substantial adverse effect on humans. No impacts would occur.

**Appendix A**  
**Mitigation Monitoring and Reporting Plan (MMRP)**  
**for the**  
**Chamberlain Creek Barn/Garage Demolition Project**  
**Initial Study/Mitigated Negative Declaration**  
**Mendocino County, California**

In accordance with CEQA Guidelines Section 15074(d), when adopting a mitigated negative declaration, the lead agency will adopt a Mitigation Monitoring and Reporting Plan (MMRP) that ensures compliance with mitigation measures required for project approval. The California Department of Forestry and Fire Protection (CAL FIRE) is the lead agency for the above-listed project and has developed this MMRP as a part of the final Initial Study/Mitigated Negative Declaration (IS/MND) supporting the project. This MMRP lists the mitigation measures developed in the IS/MND which were designed to reduce environmental impacts to a less-than-significant level. This MMRP also identifies the party responsible for implementing the measure, defines when the mitigation measure must be implemented, and which party or public agency is responsible for ensuring compliance with the measure.

**Potentially Significant Effects and Mitigation Measures**

The following is a list of the resources that will be potentially affected by the project and the mitigation measures made part of the Initial Study/Mitigated Negative Declaration.

**Mitigation Measure BIO #1: Measures to Protect Bat Species and the Ring Tailed Cat**

1. Structure demolition shall occur only during daylight hours.
2. A final visual inspection shall be conducted by a qualified biologist immediately preceding the demolition work.

**Schedule:** To be implemented prior to and during demolition activities.

**Responsible Party:** CAL FIRE JDSF staff and contractor.

**Verification of Compliance:**

Monitoring Party: CAL FIRE

Initials: \_\_\_\_\_

Date: \_\_\_\_\_

**Mitigation Measure BIO #2: Measures to Protect Chamberlain Creek Water Quality**

1. All demolition activities shall cease during periods of precipitation (rain and/or showers).
2. No heavy equipment operation after an accumulated 0.25 inches of precipitation within a 24 hour period.

3. Heavy equipment operation may resume after precipitation ceases and a stable operating surface exists in the area of operation.
4. All exposed and disturbed soils shall be stabilized with a layer of clean rice straw mulch with an average coverage of 95% and 4 inches thick.
6. The outer edge of the work area where water flow is directed toward Chamberlin Creek shall have straw wattles installed.

**Schedule:** To be implemented prior to and during demolition activities.

**Responsible Party:** CALFIRE JDSF staff and contractor.

**Verification of Compliance:**

Monitoring Party: CAL FIRE

Initials: \_\_\_\_\_

Date: \_\_\_\_\_

**Mitigation Measure CUL #1: Measures to record and document the building and associated features.**

1. The JDSF staff person charged with oversight of the demolition and removal process shall inform Chuck Whatford, Associate State Archaeologist of the scheduled date(s) of the demolition so he can be present on-site during removal of the gantry equipment from inside the ruins and the subsequent process of demolition and removal of the resulting debris to photo-document these events and to be on hand to inspect the footprint of the structure for subsurface artifacts and features (e.g. stone or concrete footings and/or foundation elements).
2. Within one year of the demolition of the Cat Barn (Garage), public interpretation media including, but not necessarily limited to, signboards, historical narratives and copies of historical photos of the Cat Barn (such as those in the published history of the Caspar Lumber Company (Wurm 1986), so to present images of the Cat Barn in its historical setting shall be installed at the site where the Cat Barn stood or at other locations at Camp 20 and shall include mention of the fact that the unique gantry equipment formerly location inside the Cat Barn will be on public display at the Mendocino County Fairgrounds (or whichever local public place is chosen at which to display the equipment).
3. CAL FIRE shall propose a long-term loan of the unique gantry equipment to the Roots of Motive Power or another local history group for public display. The installation of the equipment for display shall include interpretive signs with photos explaining its historical uses by Caspar Lumber Company and State Forest and former location.
4. In accordance with CAL FIRE's Management Plan for Historic Buildings and Archaeological Sites (2001), once demolition has taken place, the Historic Preservation Officer (Christopher Zimney, CAL FIRE) shall prepare an update to the previously prepared historic resource records of the Cat Barn (assigned trinomial CA-MEN-2297 H) and submit a copy to the Northwest Information Center at Sonoma State University.

**Schedule:** To be implemented prior to, during and after demolition activities.

**Responsible Party:** CAL FIRE JDSF and Archaeological staff.

**Verification of Compliance:**

Monitoring Party: CAL FIRE

Initials: \_\_\_\_\_

Date: \_\_\_\_\_

**LIST AND DEFINITION OF ACRONYMS AND SYMBOLS USED IN THIS DOCUMENT****Acronyms**

AQAP	Air Quality Attainment Plan
ARB	Air Resources Board
BMPs	Best Management Practices
CA	California
CAA	Clean Air Act
CAL FIRE	California Department of Forestry and Fire Protection
CAR	Climate Action Reserve
CCAA	California Clean Air Act
CCAR	California Climate Action Registry
CCR	California Code of Regulations
CDF	California Department of Forestry and Fire Protection (changed to CAL FIRE in 2007)
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CHRIS	California Historical Resources Information System
CNDDDB	California Natural Diversity Data Base
CO <sub>2</sub>	Carbon Dioxide
CO <sub>2</sub> e	Carbon Dioxide Equivalent (a standard unit to measure global warming potential)
CSOHP	California State Office of Historic Preservation
dBA	decibel
<i>et seq.</i>	<i>et sequens</i> (Latin) (it means “and the following”)
et al.	<i>et alii</i> (Latin) (it means “and others”)
EIR	Environmental Impact Report
EPA	Environmental Protection Agency
GHG	Greenhouse Gas
HWY	Highway
IS	Initial Study
IS/MND	Initial Study/Mitigated Negative Declaration
km	kilometer(s)
kWh	kilowatt hour (of electricity)
LSAA	Lake or Streambed Alteration Agreement
JDSF	Jackson Demonstration State Forest
m	meter(s)
M.A.	Master of Arts
MBTA	Migratory Bird Treaty Act
MDBM	Mount Diablo Base Meridian
MEN	Mendocino County
MN	Magnetic North
MND	Mitigated Negative Declaration
MMRP	Mitigation, Monitoring, and Reporting Plan
N/A	Not Applicable
n.d.	no date
NDDB	Natural Diversity Data Base
NE	Northeast
NPDES	National Pollution Discharge Elimination System

NRHP	National Register of Historic Places
NW	Northwest
NOI	Notice of Intent (to adopt a negative declaration or mitigated negative declaration)
OPR	(Governor's) Office of Planning and Research
Ph.D.	Doctor of Philosophy
PM10	Particulate Matter less than 10 microns in diameter
PPRC	Public Resources Code
PVC	Poly-Vinyl Chloride
RPF	Registered Professional Forester
RWQCG	Regional Water Quality Control Board
SCH	State Clearinghouse
SE	Southeast
SW	Southwest
SWPPP	Storm Water Pollution Prevention Plan
TN	True North
USGS	United States Geological Survey
W	West

**Symbols**

§	Section
#	Number
%	Percent

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**REFERENCES CITED**

California Natural Diversity Database (CNDDB)  
2015 California Department of Fish and Wildlife

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2008 California Department of Forestry and Fire Protection, The Resources Agency, State of California

Keeler-Wolf and Sawyer  
1995 A Manual of California Vegetation. California Native Plant Society.