

Badger Pass Ski Lodge Rehabilitation
Environmental Assessment

Yosemite National Park

Lead Agency: National Park Service

ABSTRACT

Since its construction in 1935, Badger Pass Ski Lodge has supported winter recreation at the Badger Pass Ski Area, a site that is historically significant as one California's earliest developed downhill ski areas. The building continues to function as a ski lodge during the winter months, and also serves as a summer base camp for the National Park Service-administered Youth Conservation Corps (YCC) program. Over time, a combination of environmental stress, heavy use, and inadequate drainage has led to the deterioration of the building's structural integrity. In addition, the building does not fully meet current building code standards. This rehabilitation project would repair and stabilize deteriorated structural and exterior elements to prevent further damage, and contribute to rehabilitation of the ski lodge and associated support facilities.

This document analyzes four alternatives that the National Park Service is considering for public review and comment, in accordance with the National Environmental Policy Act and the National Historic Preservation Act. Alternative 1-the No Action Alternative, represents continuing the existing operation and maintenance of the Badger Pass Ski Lodge. The three action alternatives: Alternative 2-Essential Repairs and Upgrades; Alternative 3 (Preferred)-Rehabilitation and Improvements; and Alternative 4-Emphasize Historic Character, represent a reasonable range of options to satisfy the purpose of and need for the project, while also meeting all relevant legal requirements.

The National Park Service initiated public scoping for this project in January 2009. Following the release of this environmental assessment, there will be a 30-day public comment period. Park staff will be available to answer questions and written comments will be accepted at the monthly parkwide public open house scheduled during the comment period.

Please refer to the project website for the comment review period and open house dates, and to submit comments electronically: <http://www.parkplanning.gov/yose> (click on the 'Open for Comment' link and select 'Badger Pass Ski Lodge Rehabilitation Environmental Assessment').

Comments postmarked within the 30-day comment period can also be submitted to:

Mail: Superintendent, Yosemite National Park
Attn: Badger Pass Ski Lodge Rehabilitation Project
P.O. Box 577
Yosemite National Park, CA 95389

Fax: (209) 379-1294

To request a printed copy or CD of this environmental assessment (available in limited number), please email: Yose_Planning@nps.gov.

Yosemite National Park

National Park Service
U.S. Department of the Interior



Badger Pass Ski Lodge Rehabilitation

Environmental Assessment

May 2010

Table of Contents

Executive Summary

Chapter 1: Purpose and Need

Introduction	1-1
Project Background	1-1
Policy and Planning Context.....	1-3
Purpose of and Need for the Project	1-7
Public Scoping Process	1-10
Organization of Environmental Assessment.....	1-11

Chapter 2: Alternatives

Description of the Alternatives	2-1
Actions Considered but Dismissed	2-46
Comparison of the Alternatives.....	2-47
Environmentally Preferable Alternative	2-55

Chapter 3: Affected Environment and Environmental Consequences

Introduction	3-1
Organization of this Chapter	3-1
Resource Topics Considered in this Environmental Assessment	3-1
Resource Topics Dismissed From Detailed Analysis	3-2
Methods for Analyzing Environmental Consequences	3-5
Impact Mitigation Measures	3-10
Natural Resources	3-10
Soils	3-10
Hydrology and Water Quality	3-14
Wetlands.....	3-20
Vegetation	3-29
Wildlife	3-34
Special Status Species.....	3-38
Air Quality.....	3-45
Soundscapes	3-51
Sociocultural Resources.....	3-56
Visitor Experience and Recreation.....	3-56
Visitor Services	3-63
Facility Operations and Infrastructure	3-69
Transportation	3-76
Energy Consumption and Global Climate Change	3-80
American Indian Traditional Cultural Practices	3-87
Historic Properties	3-91
Historic Sites, Buildings, and Cultural Landscapes	3-91

Chapter 4: Consultation and Coordination

Chapter 5: List of Preparers

Chapter 6: Glossary and Acronyms

Chapter 7: Bibliography

Appendix A: Cumulative Projects List

Appendix B: Mitigation Measures Common to all Action Alternatives

Appendix C: Wetland Statement of Findings

List of Figures

Figure 1-1	Yosemite National Park, California.	1-1
Figure 1-2	Badger Pass Ski Lodge, view to north from slopes, 2008.	1-2
Figure 1-3	Examples of deteriorated floor beam and wood decay at structural members of the north wall and ceiling, basement level.	1-9
Figure 2-1	Existing Vantage from Slope.	2-1
Figure 2-2	Existing Arrival Vantage.	2-1
Figure 2-3	Badger Pass Ski Area Facility Layout.	2-5
Figure 2-4	Badger Pass Ski Lodge – Existing First Floor Plan.	2-6
Figure 2-5	Badger Pass Ski Lodge – Existing Ground Floor Plan.	2-7
Figure 2-6	Badger Pass Ski Lodge – Existing Second Floor Plan.	2-8
Figure 2-7	Actions Common to All Action Alternatives – Site Utility and Drainage Improvements.	2-13
Figure 2-8	Alternative 2 Facility Layout.	2-20
Figure 2-9	Alternative 2 Phasing.	2-20
Figure 2-10	Vantage from Slope, Alternative 2.	2-21
Figure 2-11	Arrival Vantage, Alternative 2.	2-22
Figure 2-12	Badger Pass Ski Lodge – Alternative 2 First Floor Plan.	2-23
Figure 2-13	Badger Pass Ski Lodge – Alternative 2 Ground Floor Plan.	2-24
Figure 2-14	Badger Pass Ski Lodge – Alternative 2 Second Floor Plan.	2-25
Figure 2-15	Alternative 3 Facility Layout.	2-28
Figure 2-16	Alternative 3 Phasing.	2-30
Figure 2-17	Vantage from Slope, Alternative 3.	2-31
Figure 2-18	Arrival Vantage, Alternative 3.	2-32
Figure 2-19	Badger Pass Ski Lodge – Alternative 3 First Floor Plan.	2-33
Figure 2-20	Badger Pass Ski Lodge – Alternative 3 Ground Floor Plan.	2-34
Figure 2-21	Badger Pass Ski Lodge – Alternative 3 Second Floor Plan.	2-35
Figure 2-22	Alternative 4 Facility Layout.	2-38
Figure 2-23	Alternative 4 Phasing.	2-40
Figure 2-24	Vantage from Slope, Alternative 4.	2-41
Figure 2-25	Arrival Vantage, Alternative 4.	2-42
Figure 2-26	Badger Pass Ski Lodge – Alternative 4 First Floor Plan.	2-43
Figure 2-27	Badger Pass Ski Lodge – Alternative 4 Ground Floor Plan.	2-44
Figure 2-28	Badger Pass Ski Lodge – Alternative 4 Second Floor Plan.	2-45
Figure 3-1	Potential Jurisdictional Waters and Wetlands in the Project Area.	3-21
Figure 3-2	Badger Pass Ski Area Historic Site.	3-93
Figure C-1	Project Vicinity.	C-2
Figure C-2	Wetland and Riverine Habitat Delineation.	C-3

List of Tables

Table ES-1	Summary of Alternatives	ES-4
Table 2-1	Work Common to All Action Alternatives – Phase 1	2-15
Table 2-2	Work Common to All Action Alternatives – Later Phases	2-17
Table 2-3	Work Proposed under Alternative 3 – Later Phases	2-29
Table 2-4	Work Proposed under Alternative 4 – Later Phases	2-39
Table 2-5	Summary Comparison of Impacts for the No Action and Action Alternatives	2-48
Table 3-1	Special Status Animal Species with Potential to Occur in the Vicinity of Badger Pass Ski Area..	3-39
Table 3-2	Typical Construction Equipment Noise Levels	3-54