



IN REPLY REFER TO:
L7615(YOSE-PM)

United States Department of the Interior

NATIONAL PARK SERVICE

Yosemite National Park
P. O. Box 577
Yosemite, California 95389

Memorandum

To: Jim Vandenberg, Project Manager, Yosemite National Park

From: Acting Superintendent, Yosemite National Park

Subject: NEPA and NHPA Clearance: 2010-009 Badger Pass Ski Lodge Roof Replacement (29387)

The Management Team has reviewed the proposed project/action and completed its environmental assessment documentation, and we have determined that there:

- Will not be any effect on threatened, endangered, or rare species and/or their critical habitat.
- Will not be any effect on historical, cultural, or archeological resources.
- Will not be serious or long-term undesirable environmental or visual effects.

The subject proposed project, therefore, is now cleared for all NEPA and NHPA compliance requirements as presented above. Project plans and specifications are approved and construction and/or project implementation can commence.

For the proposed project actions to be within compliance requirements during construction and/or project implementation, the following mitigations must be adhered to:

- Ensure that all equipment and materials brought into the park are free of non-native, invasive plants and animals, and noxious weeds. All staff working on site shall be informed of and follow best management practices for preventing the introduction and spread of non-native, invasive species as described in Division 1 Specifications, Section 1335.
- Ensure that any wall framing or architectural component shall require consultation and approval from the park Historic Architect prior to replacement.

//Nikki Stephanie Nicholas// (acting)

David V. Uberuaga

Enclosure (with attachments)

cc: Statutory Compliance File

*The signed original of this document is on file at
the Environmental Planning and Compliance
Office in Yosemite National Park.*



Categorical Exclusion Form

Project: 2010-009 Badger Pass Ski Lodge Roof Replacement

PEPC Project Number: 29387

Project Description: Since its original construction in 1935, the roof on the Badger Pass Ski Lodge complex has undergone alterations and additions. Over the years, these changes have altered the geometries of the roof's angles (allowing for snowmelt drainage) and have created an interior gutter system that is difficult to maintain and service. The high elevation climate has reduced the functionality of the asphalt shingle roof. There is an immediate need to replace the roof system to stop water infiltration, ponding, and degradation to the lodge.

This project will replace the roof with a 30-year warranty roof; although, it is expected to last about 15 years at this elevation. The new roof would include in-kind replacements:

- Replacing composite shingles on pitched roofs and bituthene rolled roofing on flat roofs
- Repairing or replacing rain gutters
- Removing the internal gutter system
- Replacing rotted wood sheathing or support structures that are in poor condition

The Badger Pass Ski Lodge is currently managed as a contributing feature to the Badger Pass historic site within the Glacier Point Road Historic District. The National Park Service plans for a comprehensive rehabilitation of the historic ski lodge, which calls for a new roof to replicate the look of the historic half-log roof system. Until full funding of the rehabilitation plan is issued, the existing roof continues to leak and deteriorate the historic structure.

Project Location:

Mariposa County, CA

Mitigations:

- Ensure that all equipment and materials brought into the park are free of non-native, invasive plants and animals, and noxious weeds. All staff working on site shall be informed of and follow best management practices for preventing the introduction and spread of non-native, invasive species as described in Division 1 Specifications, Section 1335.
- Ensure that any wall framing or architectural component shall require consultation and approval from the park Historic Architect prior to replacement.

Describe the category used to exclude action from further NEPA analysis and indicate the number of the category (see Section 3-4 of DO-12):

C.4 Routine maintenance and repairs to cultural resource sites, structures, utilities and grounds under an approved Historic Structures Preservation Guide or Cyclic Maintenance Guide; or if the action would not adversely affect the cultural resource.

On the basis of the environmental impact information in the statutory compliance file, with which I am familiar, I am categorically excluding the described project from further NEPA analysis. No exceptional circumstances or conditions in Section 3-6 apply, and the action is fully described in Section 3-4 of DO-12.

Acting Superintendent //Nikki Stephanie Nicholas// (acting)

Date 3/4/10

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ENVIRONMENTAL SCREENING FORM (ESF)

DO-12 APPENDIX 1

Date Form Initiated: 02/23/2010

Updated May 2007 - per 2004 Departmental Manual revisions and proposed Director's Order 12 changes

A. PROJECT INFORMATION

Park Name: Yosemite National Park
Project Title: 2010-009 Badger Pass Ski Lodge Roof Replacement
PEPC Project Number: 29387
Project Type: Capital Improvement (CI)
Project Location: County, State: Mariposa, California
Project Leader: Jim Vandenberg

Preliminary drawings attached? Yes

Is project a hot topic (controversial or sensitive issues that should be brought to attention of Regional Director)? No

B. RESOURCE EFFECTS TO CONSIDER:

Identify potential effects to the following physical or natural resources	No Effect	Negligible Effects	Minor Effects	Exceeds Minor Effects	Data Needed to Determine/Notes
1. Geologic resources – soils, bedrock, streambeds, etc.	No				
2. From geohazards	No				
3. Air quality		Negligible			The roof replacement will include temporary air emissions from construction equipment.
4. Soundscapes		Negligible			There will be temporary noises associated with the roof replacement.
5. Water quality or quantity	No				
6. Streamflow characteristics	No				
7. Marine or estuarine resources	No				
8. Floodplains or wetlands	No				
9. Land use, including occupancy, income, values, ownership, type of use	No				

10. Rare or unusual vegetation – old growth timber, riparian, alpine	No				
11. Species of special concern (plant or animal; state or federal listed or proposed for listing) or their habitat	No				
12. Unique ecosystems, biosphere reserves, World Heritage Sites	No				Yosemite National Park is a World Heritage Site.
13. Unique or important wildlife or wildlife habitat	No				
14. Unique or important fish or fish habitat	No				
15. Introduce or promote non-native species (plant or animal)	No				See comment 1, below.
16. Recreation resources, including supply, demand, visitation, activities, etc.	No				
17. Visitor experience, aesthetic resources	No				
18. Museum collections (objects, specimens, and archival and manuscript collections)	No				
19. Socioeconomics, including employment, occupation, income changes, tax base, infrastructure	No				
20. Minority and low income populations, ethnography, size, migration patterns, etc.	No				
21. Energy resources	No				
22. Other agency or tribal land use plans or policies	No				
23. Resource, including energy, conservation potential, sustainability	No				
24. Urban quality, gateway communities, etc.	No				
25. Long-term management of resources or land/resource productivity	No				This project addresses the park's goal of long-term management of resources by maintaining facilities.
26. Other important environment resources (e.g. geothermal, paleontological resources)?	No				

Comments:

1. Ensure that all equipment and materials brought into the park are free of non-native, invasive plants and animals and noxious weeds. All staff working on the project shall be informed of and follow best management practices for preventing the introduction and spread of non-native, invasive species as described in Division 1 Specifications, Section 1355.

Identify potential effects to the following cultural resources	No Historic Properties Affected	No Adverse Effect	Adverse Effect	Data Needed to Determine/Notes
1. Archeological resources	X			
2. Prehistoric/historic structure		X		Badger Pass Day Lodge.
3. Cultural landscapes		X		Badger Pass Ski Area.
4. Ethnographic resources	X			

C. MANDATORY CRITERIA

Mandatory Criteria: If implemented, would the proposal:	Yes	No	N/A	Comment or Data Needed to Determine
A. Have significant impacts on public health or safety?		No		
B. Have significant impacts on such natural resources and unique geographic characteristics as historic or cultural resources; park, recreation, or refuge lands; wilderness areas; wild or scenic rivers; national natural landmarks; sole or principal drinking water aquifers; prime farmlands; wetlands (Executive Order 11990); floodplains (Executive Order 11988); national monuments; migratory birds; and other ecologically significant or critical areas?		No		
C. Have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources (NEPA section 102(2)(E))?		No		
D. Have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks?		No		
E. Establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects?		No		

F. Have a direct relationship to other actions with individually insignificant, but cumulatively significant, environmental effects?		No		
G. Have significant impacts on properties listed or eligible for listing on the National Register of Historic Places, as determined by either the bureau or office?		No		
H. Have significant impacts on species listed or proposed to be listed on the List of Endangered or Threatened Species, or have significant impacts on designated Critical Habitat for these species?		No		
I. Violate a federal law, or a state, local, or tribal law or requirement imposed for the protection of the environment?		No		
J. Have a disproportionately high and adverse effect on low income or minority populations (Executive Order 12898)?		No		
K. Limit access to and ceremonial use of Indian sacred sites on federal lands by Indian religious practitioners or significantly adversely affect the physical integrity of such sacred sites (Executive Order 13007)?		No		
L. Contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area or actions that may promote the introduction, growth, or expansion of the range of such species (Federal Noxious Weed Control Act and Executive Order 13112)?		No		

For the purpose of interpreting these procedures within the NPS, any action that has the potential to violate the NPS Organic Act by impairing park resources or values would constitute an action that triggers the DOI exception for actions that threaten to violate a federal law for protection of the environment.

D. OTHER INFORMATION

Are personnel preparing this form familiar with the site? Yes

Did personnel conduct a site visit? No

Is the project in an approved plan such as a General Management Plan or an Implementation Plan with an accompanying NEPA document? No

Are there any interested or affected agencies or parties? No

Has consultation with all affected agencies or tribes been completed? No

Are there any connected, cumulative, or similar actions as part of the proposed action? (e.g., other development projects in area or identified in GMP, adequate/available utilities to accomplish project)? No

E. INTERDISCIPLINARY TEAM SIGNATORIES

<u>Interdisciplinary Team</u>	<u>Field of Expertise</u>
David V. Uberuaga	Acting Superintendent
Katariina Tuovinen	Acting Deputy Superintendent
Kathleen Morse	Chief of Planning
Mark Butler	Chief of Project Management
Katariina Tuovinen	Chief of Administration Management
Paul Laymon	Acting Chief of Facilities Management
Niki Nicholas	Chief of Resources Management & Science
Marty Nielson	Chief of Business and Revenue Management
Tom Medema	Chief of Interpretation and Education
Steve Shackelton	Chief Ranger
Jim Vandenberg	Project Leader
Elexis Mayer	Environmental Planning and Compliance Program Manager
Jeannette Simons	NHPA Specialist
Renea Kennec	NEPA Specialist

F. SUPERVISORY SIGNATORY

Based on the environmental impact information contained in the statutory compliance file and in this environmental screening form, environmental documentation for this stage of the subject project is complete.

Recommended:

Compliance Specialists	Date
<u>//Renea Kennec//</u> Compliance Specialist – Renea Kennec	<u>2/23/10</u>
<u>//Elexis Mayer//</u> Compliance Program Manager – Elexis Mayer	<u>3/2/10</u>
<u>//Mark A. Butler//</u> Chief, Project Management – Mark Butler	<u>3/3/10</u>

Approved:

Acting Superintendent	Date
<u>//Nikki Stephanie Nicholas// (acting)</u> David V. Uberuaga	<u>3/4/10</u>

The signed original of this document is on file at the Environmental Planning and Compliance Office in Yosemite National Park.



National Park Service
U.S. Department of the Interior

Yosemite National Park
Date: 02/23/2010

PARK ESF ADDENDUM

Today's Date: February 23, 2010

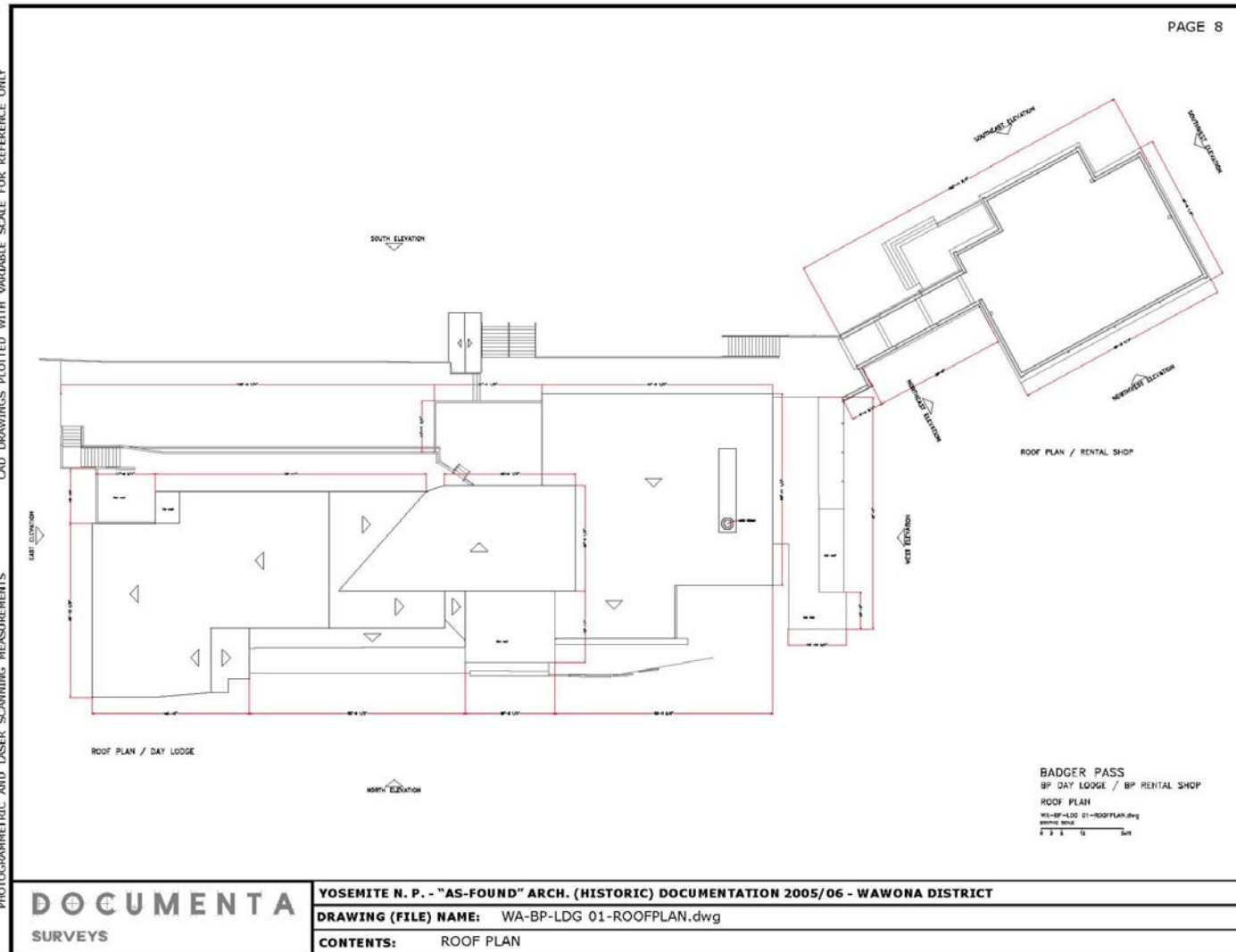
PROJECT INFORMATION

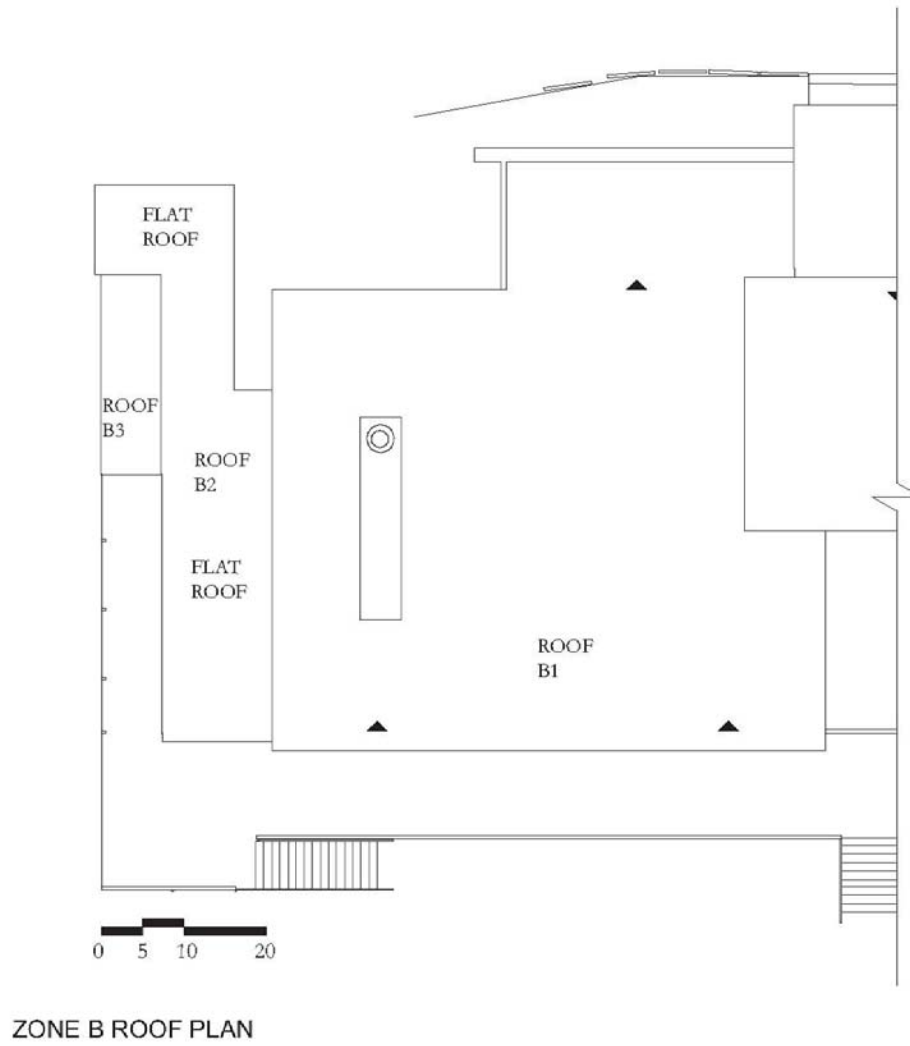
Park Name: Yosemite National Park
Project Title: 2010-009 Badger Pass Ski Lodge Roof Replacement
PEPC Project Number: 29387
Project Type: Capital Improvement (CI)
Project Location: County, State: Mariposa, California
Project Leader: Jim Vandenberg

PARK ESF ADDENDUM QUESTIONS & ANSWERS

ESF Addendum Questions	Yes	No	N/A	Data Needed to Determine/Notes
SPECIAL STATUS SPECIES CHECKLIST				
1. Listed or proposed threatened or endangered species (Federal or State)?		No		
2. Species of special concern (Federal or State)?		No		
3. Park rare plants or vegetation?		No		
4. Potential habitat for any special-status species listed above?		No		
NATIONAL HISTORIC PRESERVATION ACT CHECKLIST				
5. Entail ground disturbance?		No		
6. Are any archeological or ethnographic sites located within the area of potential effect?		No		
7. Entail alteration of a historic structure or cultural landscape?		No		This project is a replacement-in-kind; the building will not be altered.
8. Has a National Register form been completed?		No		
9. Are there any structures on the park's List of Classified Structures in the area of potential effect?		No		It has recently been determined eligible for listing.

ESF Addendum Questions	Yes	No	N/A	Data Needed to Determine/Notes
WILD AND SCENIC RIVERS ACT CHECKLIST				
10. Fall within a wild and scenic river corridor?		No		
11. Fall within the bed and banks AND will affect the free-flow of the river?		No		
12. Have the possibility of affecting water quality of the area?		No		
13. Remain consistent with its river segment classification?			Yes	
14. Fall on a tributary of a Wild and Scenic River?		No		
15. Will the project encroach or intrude upon the Wild and Scenic River corridor?			Yes	
16. Will the project unreasonably diminish scenic, recreational, or fish and wildlife values?		No		
17. Consistent with the provisions in the Merced River Plan Settlement Agreement?		No		
WILDERNESS ACT CHECKLIST				
18. Within designated Wilderness?		No		
19. Within a Potential Wilderness Addition?		No		





October 2008



B3010-01: Roof B1 looking northwest.



B3010-02: Roof B1 looking northeast.




B3010-03: Patch area of Roof B1.

Page & Turnbull, Inc.

Historic Structure Report - Appendix F
 95% Draft - Subject to Revision

Bridge Pass Ski Lodge
 Yosemite National Park, California

ZONE B  Denotes elements in need of immediate repair and/or stabilization

Level 1	Level 2	Level 3	Element	Character-Defining	Existing Condition/Treatment Recommendations	Quantity Definition
Building Element Identification			(reference drawings)	(Primary, Secondary, Contributing or No)	(rating - description and comments of existing condition)	
B SHELL						
B30 ROOFING						
B3010 ROOF COVERINGS						
Building Component Recommendations						
<p>Recommendation - Zone B requires possible demolition and reconstruction to adequately strengthen structure and address building systems issues.</p> <p style="text-align: center;"><u>Positive</u> <u>Negative</u></p> <p style="text-align: center;"><i>Improved structural integrity. Long term solution.</i> <i>Cost and impact to site.</i></p> <p>Alternate Recommendation - Should this area be retained further design studies need to be completed before recommending a final treatment for this building component. Design studies may recommend removal of roof components and/or recreation of roof components. In general the roof membrane should be replaced. For pitched roofs remove all roof membranes and evaluation of decking is recommended. Replacement system to consider would include new board decking if needed (visible from underside), ridged insulation, ice and water underlayment and 50 year asphalt shingles. Roof edges above entrances should incorporate a gutter system. Heating the gutter system should be considered. An electric heating system is recommended. Should flat roofs remain, a single-ply membrane is recommended. Edge and drainage details should be incorporated with proper flashing and curbing.</p> <p>For deck coating and membrane the recommendation is to remove all decks and replace with a heated deck system. The system can be connected to a precipitation sensor for automatic on and off control. The system should include insulation at the bottom side so as to heat only the deck system above and not the interior space below. A hydronic heating system is recommended. Further study of slab systems for piping is recommended, including a metal decking with 3 inch concrete slab. Flashing and waterproof membrane should be incorporated as well. Top surface materials should be explored, including concrete pavers elevated on pedestals and wood or Trex deck boards over sleepers. Deck system must slope away from exterior walls and incorporate an internal drain system at the runoff edge.</p> <p>An alternate deck replacement system would be to replace with a similar deck system as the existing. However, the new deck system would incorporate a drainage system. The system would also include proper flashing, waterproofing layer and slope away from all exterior walls. Top layer system would be sacrificial and systems should be further studied.</p> <p style="text-align: center;"><u>Positive</u> <u>Negative</u></p> <p style="text-align: center;"><i>Improved structural stability and code compliance. Improved maintenance.</i> <i>Cost.</i></p>						



B3010-04: Metal flashing at south wall of Winter Club Addition.



B3010-05: Northern portion of Roof B1 with cap sheeting.



B3010-06: Water route at north retaining wall.



B3010-07: Eave of Roof B1.



B3010-08: South eave with flashing.



B3010-09: Rafter tails at the north edge.



B3010-10: Deteriorated rafter tails.




B3010-11: Roof B2 looking north.



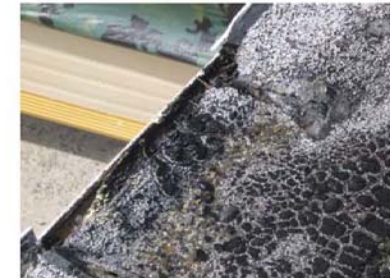
B3010-12: Roof B2 with standing water.

Historic Structure Report - Appendix F
 95% Draft - Subject to Revision

Badger Pass Ski Lodge
 Yosemite National Park, California

ZONE B  Denotes elements in need of immediate repair and/or stabilization

Level 1 Building Element Identification	Level 2 Level 3 (reference drawings)	Element	Character- Defining (Primary, Secondary, Contributing or No)	Existing Condition/Treatment Recommendations (rating - description and comments of existing condition)	Quantity Definition
B SHELL					
B30 ROOFING					
B3010 ROOF COVERINGS					
01. Roofing Membranes, Shingles and Tiles					
	Roof B1	No	Fair/Poor - Roof B1 is the north sloping roof of the 1955 Addition building (B3010-01 & 02). The roof is covered in 3 tab shake style composite shingles over building felt and diagonal wood decking. Shingles are in fair to poor condition. The area at the east edge midway down the slope has been patched with cap sheeting. The cap sheeting was integrated into the shingles with flashing at the upper edge (image B3010-03). Flashing into the south and west walls of the Winter Club Room (Room 208) is in poor condition with several repairs and patching visible. Metal flashing turns up the south wall approximately 2' and the corner has been tarred over (image 3010-04). Deterioration is due to snow trapped in this corner during the winter months with no diverter (cricket) to shed snow and water around the corner. There is a boxed out flue and various other roof penetrations. See B3020 for description of roof openings and conditions. The northern most area at the east side of the roof was a later addition. This roof is covered with 2 layers of cap sheeting over shingles (image B3010-05). The roof meets the north retaining wall and then slopes west to a scupper at the west retaining wall (image B3010-6). Eaves of the roof (image B3010-07) are flashed at the east, west and south edges. At the south eave, shingles are not over the flashing. The joint between flashing and shingle has been covered with an elastomeric coating that is cracking in many areas (image B3010-08). The north eave is in poor condition with shingles missing as well as deteriorated wood decking and rafter tails (images B3010-09 & 10).		
	Roof B2	No	Poor - Roof B2 is located west of the 1955 Addition building and is a flat roof covering the Ski School Office and open deck below (image B3010-11). The south portion of the roof membrane is spray urethane foam (SPUF) over wood decking. The SPUF has a simulated wood texture stamped into the surface. The SPUF has holes at various locations and dips with standing water. The north portion of the roof membrane is a tar emulsion coating over wood decking (image B3010-12). The membrane is in poor condition with an alligatored texture (image B3010-13). Standing water covered the majority of the north end of the roof (image B3010-12). There are portions of the edge flashing cut away that act as a scupper at the east and west edges (image B3010-14). However, due to the dips and raised edge at the perimeter the water is unable to reach the scupper and drain off.		



B3010-13: Alligatored texture of Deck B2.



B3010-14: Edge flashing and scupper of Deck B2.



B3010-15: Roof B5 looking south from above.



ASSESSMENT OF ACTIONS HAVING AN EFFECT ON CULTURAL RESOURCES

A. DESCRIPTION OF UNDERTAKING

1. **Park:** Yosemite National Park **Park District:** Badger Pass

2. Project Description:

a. **Project Name:** 2010-009 Badger Pass Ski Lodge Roof Replacement

b. **Date:** February 10, 2010

c. **PEPC project ID Number:** 29387

3. Has the area of potential effects been surveyed to identify cultural resources?

No

Yes, Source or reference: Badger Pass Day Lodge, Badger Pass Ski Area.

Check here if no known cultural resources will be affected. (If this is because area has been disturbed, please explain or attach additional information to show the disturbance was so extensive as to preclude intact cultural deposits.)

4. Potentially Affected Resources:

Historical structures/resources affected?

Name and numbers: Badger Pass Day Lodge

Cultural landscapes affected?

Name and numbers: Badger Pass Ski Area

5. The proposed action will: (check as many as apply)

Destroy, remove, or alter features/elements from a historic structure

Replace historic features/elements in kind

Add non-historic features/elements to a historic structure

Alter or remove features/elements of a historic setting or environment (inc. terrain)

Add non-historic features/elements (inc. visual, audible, or atmospheric) to a historic setting or cultural landscape

Disturb, destroy, or make archeological resources inaccessible

Disturb, destroy, or make ethnographic resources inaccessible

Potentially affect presently unidentified cultural resources

Begin or contribute to deterioration of historic features, terrain, setting, landscape elements, or archeological or ethnographic resources

No Involve a real property transaction (exchange, sale, or lease of land or structures)
 Other (please specify)

6. Measures to prevent or minimize loss or impairment of historic/prehistoric properties:
(Remember that setting, location, and use may be relevant.)

No Assessment of Effect mitigations identified.

7. Supporting Study Data:

(Attach if feasible; if action is in a plan, EA or EIS, give name and project or page number.)

8. Attachments:

Maps Archeological survey, if applicable Drawings Specifications Photographs
 Scope of Work Site plan List of Materials Samples Other:

Prepared by: Renea Kennec **Date:** February 10, 2010 **Title:** Environmental Protection
Specialist **Telephone:** 209-379-1038

B. REVIEWS BY CULTURAL RESOURCE SPECIALISTS

The park 106 coordinator requested review by the park's cultural resource specialist/advisors as indicated by check-off boxes or as follows:

Historical Architect
Name: Sueann Brown
Date: 12/29/2009
Comments:

Check if project does not involve ground disturbance
Assessment of Effect: No Historic Properties Affected No Adverse Effect Adverse
Effect Streamlined Review
Recommendations for conditions or stipulations:

Doc Method: Park Specific Programmatic Agreement

Historical Landscape Architect
Name: David Humphrey
Date: 02/16/2010
Comments: None.

Check if project does not involve ground disturbance
Assessment of Effect: No Historic Properties Affected No Adverse Effect Adverse
Effect Streamlined Review
Recommendations for conditions or stipulations: None.

Doc Method: Park Specific Programmatic Agreement

No Reviews From: **Curator, Archeologist, Historian, 106 Advisor, Anthropologist**

C. PARK SECTION 106 COORDINATOR'S REVIEW AND RECOMMENDATIONS

1. Assessment of Effect:

_____ No Historic Properties Affected ___**X**___ No Adverse Effect _____ Adverse Effect

2. Compliance requirements:

A. STANDARD 36 CFR PART 800 CONSULTATION

Further consultation under 36 CFR Part 800 is needed.

B. STREAMLINED REVIEW UNDER THE 2008 SERVICEWIDE PROGRAMMATIC AGREEMENT (PA)

The above action meets all conditions for a streamlined review under section III of the 2008 Servicewide PA for Section 106 compliance.

APPLICABLE STREAMLINED REVIEW Criteria
(Specify 1-16 of the list of streamlined review criteria.)

C. PLAN-RELATED UNDERTAKING

Consultation and review of the proposed undertaking were completed in the context of a plan review process, in accordance with the 2008 Servicewide PA and 36 CFR Part 800.

Specify plan/EA/EIS: _____

D. UNDERTAKING RELATED TO ANOTHER AGREEMENT

The proposed undertaking is covered for Section 106 purposes under another document such as a statewide agreement established in accord with 36 CFR 800.7 or counterpart regulations.

Specify: _____

E. COMPLIANCE REQUIREMENTS SATISFIED BY USE OF NEPA

Documentation is required for the preparation of an EA/FONSI or an EIS/ROD has been developed and used so as also to meet the requirements of 36 CFR 800.3 through 800.6

F. No Potential to Cause Effects [800.3(a)(1)]

G. STIPULATIONS/CONDITIONS

Following are listed any stipulations or conditions necessary to ensure that the assessment of effect above is consistent with 36 CFR Part 800 criteria of effect or to avoid or reduce potential adverse effects.

Recommended by Park Section 106 coordinator:

Signature of Historic Preservation Officer //Jeannette Simons//

Date: 2/22/10

D. SUPERINTENDENT'S APPROVAL

The proposed work conforms to the NPS *Management Policies* and *Cultural Resource Management Guideline*, and I have reviewed and approve the recommendations, stipulations, or conditions noted in Section C of this form.

Signature of Acting Superintendent //Nikki Stephanie Nicholas// (acting)

Date: 3/4/10

*The signed original of this document is on file at
the Environmental Planning and Compliance
Office in Yosemite National Park.*