

United States Department of the Interior

NATIONAL PARK SERVICE Yosemite National Park P.O. Box 577 Yosemite, California 95389

IN REPLY REFER TO: L7617 (YOSE-PM)

Memorandum

To: Greg Stock, Project Manager, Resources Management and Science, Yosemite National Park San Francisco Public Utilities Commission, Project Manager

From: Superintendent, Yosemite National Park

Subject: Notice to Proceed, 2007-050 Poopenaut Valley, Studying Hydrologic Impacts from O'Shaughnessy Dam

Your proposed project is an action that has been determined to result in no measurable environmental effects. It is therefore categorically excluded from further National Environmental Policy Act analysis under Categorical Exclusion: DO12 3.4 E(6) - Non-destructive data collection, inventory (including field, aerial, and satellite surveying and mapping), study, research, and monitoring activities.

Necessary compliance coordination has been completed regarding the National Historic Preservation Act, the Wilderness Act, the Wild and Scenic Rivers Act, and the Endangered Species Act, as applicable. This project clearance is valid providing that you adhere to any conditions that may be stipulated in the enclosed *Categorical Exclusion Form* and associated documents when implementing this project.

//*R.Kevin Cann//* Michael J. Tollefson 4/11/07 Date

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

(Version: OCT06)

Compliance Tracking Number: 2007-050 PEPC Project Number: 18176

A. PROJECT INFORMATION

Title: Poopenaut Valley, Studying Hydrologic Impacts from O'Shaugnessy Dam
Location: Hetch Hetchy, Tuolumne County, California
Project Manager: Greg Stock, Resources Management and Science, Yosemite National Park
Project Manager: San Francisco Public Utilities Commission

B. COMPLIANCE DETERMINATION

This project is an action that has been determined to result in no measurable environmental effects. It is therefore categorically excluded from further National Environmental Policy Act analysis under Categorical Exclusion: DO12 3.4 E(6) - *Non-destructive data collection, inventory (including field, aerial, and satellite surveying and mapping), study, research, and monitoring activities.*

Necessary compliance coordination has been completed regarding the National Historic Preservation Act, the Wilderness Act, the Wild and Scenic Rivers Act, and the Endangered Species Act, as applicable. Environmental impacts will be negligible or less when the project is implemented with the conditions stipulated under **Project Mitigations and Conditions** in **Section I** at the end of the attached *Environmental Screening Form*.

Additional supporting information for this determination and the stipulated conditions can be found in the following attachments (when checked):

Environmental Screening Form

Preservation Assessment Form (YOSE-XXX)

Wilderness Minimum Requirement Analysis

Wild and Scenic River Section 7 Determination

Other:

C. DECISION

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 DO12 3.5 or 3.6 apply and the action is fully described in DO12, Section 3.4.

//R, Kevin Cann//

<u>4/11/07</u> Date

Michael J. Tollefson, Superintendent

Original: Statutory Compliance File cc: Project Proponent

Attachments (2)

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Environmental Screening Form

(Version: NOV06)

Compliance Tracking Number: 2007-050 PEPC Project Number: 18176

A. PROJECT INFORMATION

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Location: Hetch Hetchy, Tuolumne County, California
Project Manager: Greg Stock, Resources Management and Science, Yosemite National Park
Project Manager: San Francisco Public Utilities Commission

B. PROJECT DESCRIPTION AND BACKGROUND

Yosemite National Park Division of Resources Management and Science staff, in cooperation with scientists from McBain & Trush, Inc., propose to characterize impacts on hydrologic processes in Poopenaut Valley and the immediate vicinity (Fig. 1) downstream of O'Shaughnessy Dam. There is also a smaller component of the study that would focus on the area downstream of Eleanor Dam. Impoundment of Tuolumne River water behind these dams, and diversion of water from the reservoirs, may be adversely affecting hydrologic processes downstream of the dams. This, in turn, may be affecting the aquatic, meadow, and riparian ecosystems that depend on certain hydrologic conditions.

Poopenaut Valley has been identified as the most ecological sensitive area downstream of these dams, and is the main area of research. Quantifying the effects of O'Shaughnessy on hydrologic processes in Poopenaut Valley would be done by installing up to 20 groundwater monitoring wells along two transects across the meadow area in the downstream end of the valley. Soil profiles and vegetation plots established in association with the groundwater wells would help to delineate wetlands. In addition, river stage and water temperature loggers would be installed where each transect crosses the Tuolumne River; a similar instrument would also be installed in the seasonal pond on the north side of Poopenaut Valley to record the seasonal fluctuation of water surface levels and water temperature. One of the stage recorders would be a more sophisticated Campell Scientific datalogger, capable of measuring water turbidity, which requires a small solar panel. A staff plate would be installed near one of the river stage recorders to measure river stage visually. Finally, two time lapse cameras would be installed in Poopenaut Valley to record changes in habitat availability (i.e., extent of seasonal flooding). All instruments would be located in designated wilderness or in a potential wilderness addition. The instruments would be tracked in a GIS and removed within five years; after removal there would be no trace of these installations. Yosemite RMS staff will coordinate closely with RMS archeologists and landscape architects to avoid or minimize impacts to cultural resources from the proposed work.

Contractors McBain & Trush, Inc., also propose to study sediment transport immediately downstream of O'Shaughnessy and Lake Eleanor dams. Below O'Shaughnessy Dam these studies would not take place in wilderness, but below Eleanor dam they would. The sediment transport study would have two components: (1) placing tracer rocks of different diameters in the riverbed to determine critical thresholds for mobilizing sediment, and (2) installing scour cores to document river scour depth. Locally-derived metamorphic rocks, which can be easily distinguished from the granitic cobbles presently in the riverbed, would be used as tracer rocks. Scour cores would consist of six-inch diameter holes excavated into sediment in the riverbed and filled with quartzite gravel and surveyed to a vertical datum. Following a high flow event, the scour hole is excavated down to the quartzite gravel, providing the depth of maximum scour and subsequent fill.

Overall, hydrologic investigations would focus on reaches of the river bounded by meadows (such as those in Poopenaut Valley), as these are areas most sensitive to changes in hydrology and sediment flux. River stage recorders and flow data from an existing USGS gaging station below the dam permit the construction of stage-duration relationships and identification of bankfull discharge under current management of the reservoir. These relationships, coupled with detailed topographic surveying of the river channel, would allow comparison with modeled pre-dam flow regimes. Ultimately, these results would be tied to biological and vegetation surveys in the adjacent habitats to investigate possible impacts to these ecosystems from the dams.

Table B1 – Background Information

		Yes	No	N/A	Explanation/Notes
1.	Did NPS staff conduct a site visit? If yes, list attendees. If no, explain.	\boxtimes			Resources Management and Science staff.
2a.	Is the project providing compliance for an action associated with but not covered by an approved plan? (Identify the plan and provide a section or page citation.); OR				
2b.	Is the project in an approved plan? (Identify the plan and provide a section or page citation.			\square	
2c.	Is the project consistent with that plan?			\boxtimes	
2d.	Is the Plan's CE, FONSI, or ROD current?			\boxtimes	
3a.	Are there any interested or affected parties?		\boxtimes		
3b.	Has a diligent effort been made to communicate with them?				
4a.	Are there any affected agencies or tribes?		\boxtimes		
4b.	Has consultation been completed?				

Table B2 – Environmental Screening Form Attachments (provide Attachment letter—A, B, etc.)

	Yes	No	N/A	Explanation/Notes
Maps: 2 required (vicinity map & site map)	\boxtimes			Vicinity map; see Attachment A.
Drawings (e.g., design, construction)	\boxtimes			Instrumentation drawing; see Attachment B.
Site Plans		\boxtimes		
Photographs	\square			Photos of proposed instrumentation; see Attachment C.
Non-NEPA/NHPA Approvals (Explain)		\boxtimes		
Other (Explain)		\boxtimes		
	Site Plans Photographs Non-NEPA/NHPA Approvals (Explain)	Maps: 2 required (vicinity map & site map) Image: Construction Drawings (e.g., design, construction) Image: Construction Site Plans Image: Construction Photographs Image: Construction Non-NEPA/NHPA Approvals (Explain) Image: Construction	Maps: 2 required (vicinity map & site map) Image: Construction Drawings (e.g., design, construction) Image: Construction Site Plans Image: Construction Photographs Image: Construction Non-NEPA/NHPA Approvals (Explain) Image: Construction	Maps: 2 required (vicinity map & site map) Image: Construction Drawings (e.g., design, construction) Image: Construction Site Plans Image: Construction Photographs Image: Construction Non-NEPA/NHPA Approvals (Explain) Image: Construction

C. ASSESSMENT OF POTENTIAL RESOURCE EFFECTS

Are any impacts possible on the following resources?		Yes	No	N/A	Data Needed to Determine/Notes
1.	Geologic resources: soils, bedrock, streambeds, etc	\boxtimes			Soil disturbance includes a maximum of 2" in diameter and 6' deep.
2.	From geohazards		\boxtimes		diameter and o deep.
3.	Air quality	Н	\boxtimes	Ы	
4.	Soundscapes				
5.	Water quality or quantity	Н	\boxtimes		
6.	Stream flow characteristics				
7.	Marine or estuarine resources			\boxtimes	
8.	Floodplains or wetlands		\boxtimes		
9.	Land use, including occupancy, income, values,	_		_	
	ownership, type of use		\boxtimes		
	Rare or unusual vegetation – old growth timber, riparian, alpine		\square		
11.	Species of special concern (plant or animal; state or federal listed or proposed for listing) or their habitat		\boxtimes		
12.	Unique ecosystems, biosphere reserves, World Heritage Sites				Yosemite National Park is a World Heritage site; no historic properties would be adversely affected by implementing this project; see Section F, National Historic Preservation Act Checklist, below.
13.	Unique or important wildlife or wildlife habitat		\bowtie		
	Unique or important fish or fish habitat		\bowtie		
15.	Introduce or promote non-native species (plant or animal)	\boxtimes			Mitigated; see Section D. Mandatory Criteria, below.
16.	Recreation resources, including supply, demand, visitation, activities, etc.		\boxtimes		
17.	Visitor experience, aesthetic resources	\boxtimes			Negligible; visitor experience could possibly be visually impacted; this temporary project is in a remote site and impacts will be mitigated by camoflauging the wells and instrumentation.
18.	Cultural resources including cultural landscapes, ethnographic resources	\boxtimes			Negligible; the assessment of effect is "No Effect;" see Section F, National Historic Preservation Act Checklist and attached XXX.
19.	Socioeconomics, including employment, occupation, income changes, tax base, infrastructure		\boxtimes		
20.	Minority and low income populations, ethnography, size, migration patterns, etc.		\boxtimes		
21.	Energy resources		\boxtimes		
22.	Other agency or tribal land use plans or policies		\boxtimes		
23.	Resource, including energy, conservation potential		\boxtimes		
24.	Urban quality, gateway communities, etc.		\boxtimes		
	Long-term management of resources or land/resource productivity				The data collected would assist in the long-term management of Tuolumne River water resources.
26	Other important environment resources (e.g. geothermal, paleontological resources)?		\boxtimes		
Cor	nments, Mitigations and Conditions:				
1.	None				

D. MANDATORY CRITERIA

If	implemented, would the proposed action:	Yes	No	N/A	Data Needed to Determine/Notes
	Have material adverse effects on public health or safety?		\boxtimes		Mitigated: see Condition 1, below.
2.	Have adverse effects on such unique 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; floodplains; or ecologically significant or critical areas, including those listed on the National Register of Natural Landmarks?				The assessment of effect is "No Adverse Effect;" see Section F, National Historic Preservation Act Checklist and attached XXX.
3.	Have highly controversial environmental effects?		\boxtimes		
4.	Have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks?		\boxtimes		
5.	Establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects?		\boxtimes		
6.	Be directly related to other actions with individually insignificant, but cumulatively significant, environmental effects?				
7.	Have adverse effects on properties listed or eligible for listing on the National Register of Historic Places?		\boxtimes		The assessment of effect is "No Adverse Effect;" see Section F, National Historic Preservation Act Checklist and attached XXX.
8.	Have adverse effects on species listed or proposed to be listed on the List of Endangered or Threatened Species or have adverse effects on designated Critical Habitat for these species?				
9.	Require compliance with Executive Order 11988 (Floodplain Management), Executive Order 11990 (Protection of Wetlands), or the Fish and Wildlife Coordination Act?		\boxtimes		
10.	Threaten to violate a federal, state, local, or tribal law or requirement imposed for the protection of the environment?		\boxtimes		
11.	Involve unresolved conflicts concerning alternative uses of available resources (NEPA sec. 102(2)(E)?		\boxtimes		
12.	Have a disproportionate, significant adverse effect on low-income or minority populations (EO 12898)?		\boxtimes		
13.	Restrict access to and ceremonial use of Indian sacred sites by Indian religious practitioners or adversely affect the physical integrity of such sacred sites (EO 130007)?		\boxtimes		
14.	Contribute to the introduction, continued existence, or spread of federally listed noxious weeds (Federal Noxious Weed Control Act)?				Mitigated; see condition 2, below.
15.	Contribute to the introduction, continued existence, or spread of non-native invasive species or actions that may promote the introduction, growth or expansion of the range of non-native invasive species (EO 13112)?				Mitigated; see condition 2, below.
16.	Require a permit from a federal, state, or local agency to proceed, unless the agency from which the permit is required agrees that a CE is appropriate?				
17.	Have the potential for significant impact as indicated by a federal, state, or local agency or Indian tribe?		\boxtimes		
18.	Have the potential to be controversial because of disagreement over possible environmental effects?		\boxtimes		
19.	Have the potential to violate the NPS Organic Act by impairing park resources or values?		\boxtimes		

1. Develop and submit a Safety Plan or a Job Hazard Analysis to the park Safety Officer (Roger Farmer, 379-1079) for review and approval at least two weeks prior to beginning any project work.

2. All equipment, materials, and instruments brought to the site from outside the park must be thoroughly cleared of any foreign debris that could harbor plant or animal propagules.

E. SPECIAL STATUS SPECIES CHECKLIST

Within the area of potential effect, are there:	Yes	No	N/A	Data Needed to Determine/Notes		
1. Listed or proposed threatened or endangered species (Federal or State)?		\boxtimes				
2. Species of special concern (Federal or State)?		\boxtimes				
3. Park rare plants or vegetation?		\boxtimes				
4. Potential habitat for any special-status species listed above?		\square				
If "yes" to any of the above questions, a Special-Status Species Checklist must be completed and attached.						
Comments, Mitigations and Conditions:						

1. None

F. NATIONAL HISTORIC PRESERVATION ACT CHECKLIST

Wi	thin the area of potential effect:	Yes	No	N/A	Data Needed to Determine/Notes
1.	Will there be ground disturbance?	\boxtimes			Installation of wells requires a maximum of 2" in diameter and 6' deep.
2.	Are there any archeological sites?	\square			The assessment of effect is "No Adverse Effect;" see the attached XXX.
3.	Are there any Native American Indian traditional cultural resources?			\boxtimes	
4.	Is there a historic property (a building, structure, feature, or all or any part of an archeological district or site, or a historic district or site, or any associated landscape element) that is listed or eligible for listing on the <i>National Register</i> ?				The historic properties will not be effected by this project; the assessment of effect is "No Adverse Effect;" see the attached XXX.
5.	Is there a National Historic Landmark?		\boxtimes		
6.	Is there a structure(s) on the park's <i>List of Classified Structures</i> ?	\square			The assessment of effect is "No Adverse Effect;" see the attached XXX.
7.	Is there any cultural resource requiring an evaluation of eligibility as a historic property under NHPA, Section 106, before an affect determination can be made?		\boxtimes		
8	Would there be alteration of any historic property or associated landscape element covered by 2-7, above?				
If '	'yes" to any of the above, then an Assessment of	of Effe	cts fo	rm (Y	OSE-XXX) must be completed and attached.
Mi	tigations and Conditions:				
1.	None				

G. WILDERNESS ACT CHECKLIST

Is the proposed project:		No	N/A	Data Needed to Determine/Notes		
1. Within designated Wilderness?	\boxtimes					
2. Within a Potential Wilderness Addition?	\boxtimes					
If "yes" to either of the above, then a Wilderness Minimum Requirements Analysis must be completed and attached.						
Mitigations and Conditions:						
1. None						

H. WILD AND SCENIC RIVERS ACT CHECKLIST

Does	s the proposed project:	Yes	No	N/A	Data Needed to Determine/Notes			
	Fall within a wild and scenic river corridor? If 'yes", name the river(s)	\boxtimes			Tuolumne River			
	Fall within the bed and banks AND affect the free-flow of the river?		\square					
3. 1	Potentially affect water quality of the area?		\boxtimes					
f	Diminish or other wise change the values for which the river was designated as a Wild and Scenic River? If "yes", explain.		\square					
	Fall on a tributary of a Wild and Scenic River?		\bowtie					
	If 5a is "yes", will the project affect the Wild and Scenic River corridor?			\boxtimes				
(If 5a is "yes", will the project unreasonably diminish scenic, recreational, or fish and wildlife values?			\boxtimes				
If "y	If "yes" to questions 2, 5b, or 5c, then a WSRA Section 7 determination must be completed and attached.							
Miti	gations and Conditions:							
<u>1.</u> 1	None							

I. NEPA Analysis and Approval Conditions

When implemented as detailed in the project description and following all Project Mitigations and Conditions listed below, this project meets the terms and conditions of a categorical exclusion to NEPA.

Applicable Categorical Exclusion:

DO12 *E* (6) - Non-destructive data collection, inventory (including field, aerial, and satellite surveying and mapping), study, research, and monitoring activities.

Project Mitigations and Conditions:

- 1. All equipment, materials, and instruments brought to the site from outside the park must be thoroughly cleared of any foreign debris that could harbor plant or animal propagules. (Environmental Planning and Compliance)
- 2. Develop and submit a Safety Plan or a Job Hazard Analysis to the park Safety Officer (Roger Farmer, 379-1079) for review and approval at least two weeks prior to beginning any project work. (Safety Office)

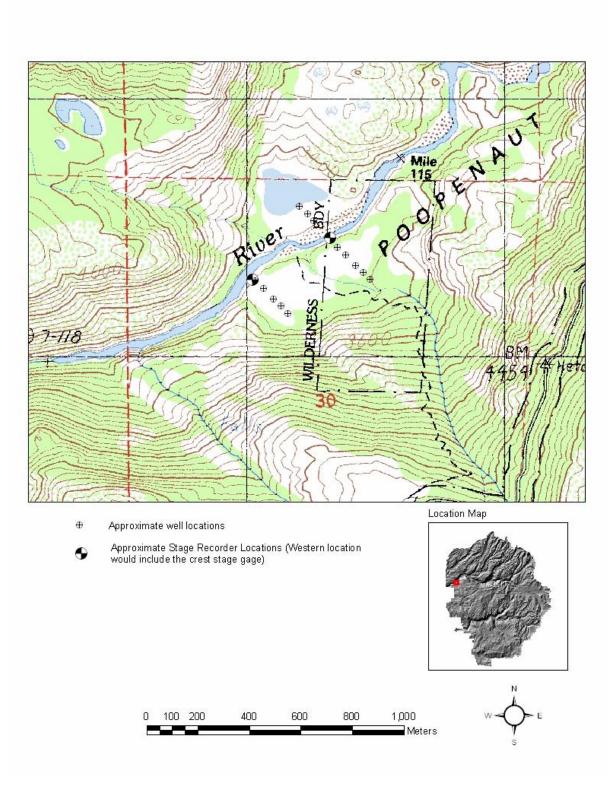
This project has been reviewed in accordance with the above criteria and it has been determined that the project will result in no or minimal environmental effects. Therefore, it is categorically excluded from further environmental review required under the National Environmental Policy Act. Additionally, the necessary compliance coordination has been completed with regard to the National Historic Preservation Act, the Wilderness Act, the Wild and Scenic Rivers Act, and the Endangered Species Act.

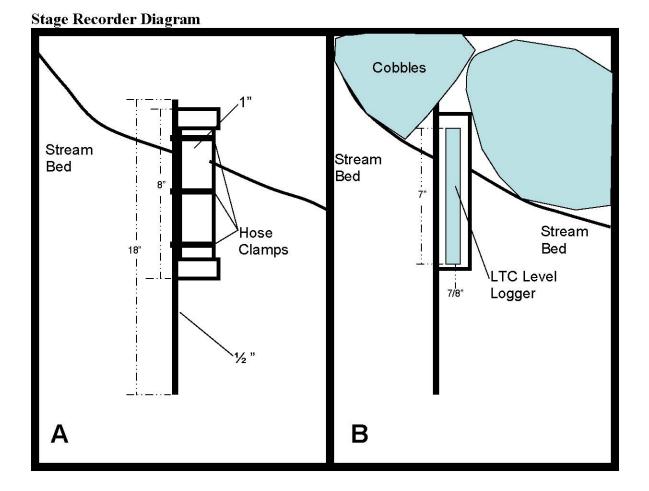
h the	//Elexis Mayer//	3/28/07
	Compliance Specialist	Date
n		
ı		
the	//Mark A Butler//	4/5/07
oleted Act, t, and	Compliance Program Manager	Date
	//Bill Delaney//	4/8/07
	Chief, Project Management	Date

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

the Environmental Planning and Compliance Office in Yosemite National Park.







Attachment B

Drawing 1 - Instrumentation

Attachment C



Groundwater Well



River Staff Plate





Preservation Assessment Form (YOSE XXX)

(Version: AUG06)

Compliance Tracking Number: 2007-050 PEPC Project Number: 18176

A. DESCRIPTION OF UNDERTAKING

Title: Poopenaut Valley, Studying Hydrologic Impacts from O'Shaughnessy Dam **Project Location and Area of Potential Effect:**

Poopenaut Valley, Tuolumne County, California

Tuolumne River Corridor

Project Manager: Greg Stock, Resources Management and Science, Yosemite National Park

Project Description: Yosemite National Park Division of Resources Management and Science staff, in cooperation with scientists from McBain & Trush, Inc., propose to characterize impacts on hydrologic processes in Poopenaut Valley and the immediate vicinity (Fig. 1) downstream of O'Shaughnessy Dam. There is also a smaller component of the study that would focus on the area downstream of Eleanor Dam. Impoundment of Tuolumne River water behind these dams, and diversion of water from the reservoirs, may be adversely affecting hydrologic processes downstream of the dams. This, in turn, may be affecting the aquatic, meadow, and riparian ecosystems that depend on certain hydrologic conditions.

Poopenaut Valley has been identified as the most ecological sensitive area downstream of these dams, and is the main area of research. Quantifying the effects of O'Shaughnessy on hydrologic processes in Poopenaut Valley would be done by installing up to 20 groundwater monitoring wells along two transects across the meadow area in the downstream end of the valley. Soil profiles and vegetation plots established in association with the groundwater wells would help to delineate wetlands. In addition, river stage and water temperature loggers would be installed where each transect crosses the Tuolumne River; a similar instrument would also be installed in the seasonal pond on the north side of Poopenaut Valley to record the seasonal fluctuation of water surface levels and water temperature. One of the stage recorders would be a more sophisticated Campell Scientific datalogger, capable of measuring water turbidity, which requires a small solar panel. A staff plate would be installed near one of the river stage recorders to measure river stage visually. Finally, two time lapse cameras would be installed in Poopenaut Valley to record changes in habitat availability (i.e., extent of seasonal flooding). All instruments would be located in designated wilderness or in a potential wilderness addition. The instruments would be tracked in a GIS and removed within five years; after removal there would be no trace of these installations. Yosemite RMS staff will coordinate closely with RMS archeologists and landscape architects to avoid or minimize impacts to cultural resources from the proposed work.

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to a vertical datum. Following a high flow event, the scour hole is excavated down to the quartzite gravel, providing the depth of maximum scour and subsequent fill.

Overall, hydrologic investigations would focus on reaches of the river bounded by meadows (such as those in Poopenaut Valley), as these are areas most sensitive to changes in hydrology and sediment flux. River stage recorders and flow data from an existing USGS gaging station below the dam permit the construction of stage-duration relationships and identification of bankfull discharge under current management of the reservoir. These relationships, coupled with detailed topographic surveying of the river channel, would allow comparison with modeled pre-dam flow regimes. Ultimately, these results would be tied to biological and vegetation surveys in the adjacent habitats to investigate possible impacts to these ecosystems from the dams.

1. Atta	ched Sensitive Information**	Yes	No	Explanation/Source/Notes
a.	Maps	\boxtimes		CR GIS Map
b.	Drawings		\boxtimes	
с.	Site Plans		\boxtimes	
d.	Photographs		\boxtimes	
e.	Sample		\boxtimes	
f.	List of Materials		\boxtimes	
g.	Other (Explain)		\boxtimes	

** Sensitive documents not for duplication or distribution beyond park management, subject matter experts, and the project statutory compliance file.

B. DESCRIPTION OF EFFECTS

	Yes	No	N/A	Explanation/Notes
1. Has the Area of Potential Effect been				
surveyed to identify historic properties?	\boxtimes			YOSE 2002R, 1997
If Yes, provide reference for the Survey (s).				
a. Would the proposed action affect a				
known historic property?		\boxtimes		
2. List all Historic Properties in the Area of	Affeo	ted?		
Potential Effect:	Yes	No		Explanation/Notes
a. CA-TUO-3988, 3994			proje	ct will avoid
b. PP55 9065 46				ct will avoid
c. 2 classified structures	H	\boxtimes		ct will avoid
c. 2 classified structures			proje	
3. List resources in the Area of Potential	Affeo	ted?		
Effect to which American Indians attach				Explanation/Notes
cultural and religious significance:	Yes	No		x
a. Unknown		\boxtimes		
b.				
с.				
4. The proposed action will:	Yes	No	N/A	Explanation/Note
• Destroy, remove, or alter features or		\boxtimes		
elements from a historic structure				
Replace historic features/elements in kind		\boxtimes		
 Add nonhistoric features/elements to a 		\bowtie		
historic structure				
• Alter or remove features/elements of a	_	5	_	
historic setting or environment (including		\boxtimes		
terrain)				
Add nonhistoric features/elements	57	_	_	
(including visual, audible, or atmospheric)	\boxtimes			monitoring equipment
to a historic setting or cultural landscape				
• Disturb, destroy, or make archeological				
resources inaccessible, or alter associated		\boxtimes		
terrain				
• Disturb, destroy, or make ethnographic				
resources inaccessible, or alter associated		\bowtie		
terrain				
Begin or contribute to the deterioration of biotoria fabria, tarrain, satting, landscape				
historic fabric, terrain, setting, landscape elements, or archeological or		\boxtimes		
ethnographic resources				
Involve a real property transaction				
affecting historic cultural properties (i.e.,				
the exchange, sale, or lease of land or		\boxtimes		
structures)				
Potentially affect presently unidentified				
historic resources		\bowtie		
• Other		\square		

5. Describe any measures that are incorporated as part of this project that will be taken to prevent or minimize loss or impairment of prehistoric or historic fabric, setting, integrity, or data:

Yosemite RMS staff will coordinate with closely with RMS archeologists and landscape architects to avoid or minimize impacts to cultural resources from the proposed work.

Checklist prepared by: Jeannette Simons Title: Historic Preservation Officer Date: 03/19/07

C. SPECIALIST SECTION

Specialists: Your comments here (or attached) show that you have reviewed this proposal for conformity with requirements of *National Historic Preservation Act, Section 106*; with the 1995 *Servicewide Programmatic Agreement* (if applicable); with applicable parts of the *Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation*; with the NPS *Management Policies* and *Cultural Resource Management Guideline*; and have given your best professional advice about this project and the issues relevant to the Section 106 process, including identification and evaluation of historic properties and further consultation needs.

Archeologist Comments:	Name: Laura Kirn	Date: 3/20/07
Ground Disturbance Involved Assessment of Effect: Recommended Conditions:	Yes: No:	
Signature of Archeologist: //Laura	Kirn//	
Cultural Anthropologist Comments:	Name: Sonny Montague	Date:
Assessment of Effect: Recommended Conditions:		
Signature of Cultural Anthropologis	t:	
Curator Comments: Assessment of Effect:	Name: Jonathan Bayless	Date:
Assessment of Effect: Recommended Conditions:		

Signature of Curator:

Historian	Name: Charles Palmer	Date:
Comments:		
Assessment of Effect:		
Recommended Conditions:		
Signature of Historian:		
Historic Architect	Name: Sueann Brown	Date: 3/20/07
Historic Architect Comments:	Name: Sueann Brown	Date: 3/20/07
Comments:	Name: Sueann Brown	Date: 3/20/07
Comments: Assessment of Effect:	Name: Sueann Brown	Date: 3/20/07
Comments:	Name: Sueann Brown	Date: 3/20/07
Comments: Assessment of Effect:	Name: Sueann Brown	Date: 3/20/07
Comments: Assessment of Effect:	Name: Sueann Brown	Date: 3/20/07
Comments: Assessment of Effect:	Name: Sueann Brown	Date: 3/20/07

Historical Landscape Architect Comments:	Name: Dave Humphrey	Date: 3/20/07			
comments.					
Assessment of Effect: "No Adverse Effect"					
Recommended Conditions:					

Signature of Historic Landscape Architect: //Daniel Scheible// for David Humphrey

Preservation Specialist Comments:	Name: Rod Kennec	Date:		
Assessment of Effect: <choose b="" ef<=""></choose>	fect> or write it here >>			
Recommended Conditions: Recom	mended Conditions			
Signature of Preservation Specialis	t:			
Native American Liaison	Name: Jeannette Simons	Date:		
Comments:	Name. Jeannette Simons	Date.		
Assessment of Effect: <choose b="" ef<=""></choose>	fect> or write it here >>			
Recommended Conditions:				
Signature of Native American Liaison:				
Signature of Native American Liai	son:			
Specialist Title	Name:	Date:		
Comments:				
Assessment of Effect:				
Recommended Conditions:				

Signature of <Enter Specialist's Title>: _____

D. RESOURCES MANAGEMENT AND SCIENCE DIVISION AND PARK 106 COORDINATOR REVIEWS AND RECOMMENDATIONS

1. Review by specialists: The appropriate subject-matter experts have reviewed the project and entered their comments and recommendations in Section C, above.

The foregoing assessment is adequate: the proposed action is consistent with all applicable NPS management policies, standards, guidelines, or US DOI standards and guidelines, Rehabilitation of Historic Buildings, or others, and incorporates measures to avoid Adverse Effects.

Reviewed and Accepted by:

Signature:	//Niki Stephanie Nicholas//		3/20/07
-	Chief of Resources Management & Science Division		

2. Compliance Requirements: The following is the park's assessment of Section 106 process needs and requirements for this undertaking.

Standard 36 CFR Part 800 Consultation

Consultation under 36 CFR is needed subsequent to the preparation of this form and its review by appropriate historic resource management advisors.

Undertaking related to the 1995 NPS Programmatic Agreement

The above action meets all conditions for a programmatic exclusion under Stipulation IV. A of the 1995 NPS programmatic agreement, and is listed in Stipulation IV. B, as:

3. Installation of Environmental Monitoring Units (such as those for water and air quality).

□ Plan-Related Undertaking

Consultation and review of the proposed undertaking were completed in the context of a plan review process, in accordance with the 1995 NPS programmatic agreement and 36 CFR Part 800.

Undertaking Related to Another Agreement

The proposed undertaking is covered for Section 106 purposes under a document such as a statewide agreement written in accordance with 37 CFR Part 800.7 or counterpart regulations.

Agreement: <Enter Agreement Information>

□ Flood-Recovery Related Undertaking

The proposed undertaking is covered for Section 106 purposes under the letter-based agreement between the NPS, the State Historic Preservation Office, and the Council for Historic Preservation for "Highwater 97" flood repair and recovery

Undertaking Related to the 1999 Yosemite Programmatic Agreement

The proposed undertaking is covered for Section 106 purposes under the park's 1999 programmatic agreement for planning, design, construction, operations and maintenance; the undertaking meets the stipulations identified in Article VII.C.2.

3. Assessment of Effects: No Adverse Effect

4. Project Stipulations and Conditions

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

a. None

Recommended by Park Section 106 Coordinator:

Name: Jeannette Simons

Title: Historic Preservation Officer

Signature: //Jeannette Simons// Date: 4/4/07

E. SUPERINTENDENT'S APPROVAL

The proposed work conforms to NPS Management Policies and NPS-28 and I approve the recommendations, stipulations, and conditions noted in Section B of this form.

 Signature of Superintendent:
 //R. Kevin Cann//
 Date:
 4/11/07

 Michael J. Tollefson

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