

## Categorical Exclusion

(Version: FEB06)

Compliance Tracking Number: 2006-085

PEPC Project Number: 16301

### A. PROJECT INFORMATION

**Title:** South Fork Merced River Temporary River Gage Installation

**Location:** Wawona, Mariposa County, California

**Project Manager:** Jim Roche, Resources Management and Science, Yosemite National Park

### 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 C (5) - *Installation of signs, displays, and kiosks*.

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 minor 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):

- ☒ *Cultural Resource Effects Assessment Form (XXX)*
- ☐ *Wilderness Minimum Requirement Analysis*
- ☐ *Wild and Scenic River Section 7 Determination*
- ☐ *Park Management Terms and Conditions*
- ☐ Other: <Specify other Attachment>

### 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.*

//MJTollefson//

Michael J. Tollefson

7/30/06

Date

Original: Statutory Compliance File  
cc: Project Proponent

Attachments (2)

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



# 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: Jim Roche, Project Manager, Resources Management and Science, Yosemite National Park

From: Superintendent, Yosemite National Park

Subject: Notice to Proceed, 2006-085 South Fork Merced River Temporary River Gage  
Installation (PEPC# 16301)

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 C (5) - *Installation of signs, displays, and kiosks*.

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 the conditions stipulated in the enclosed *Categorical Exclusion Form* and associated documents when implementing this project.

//MJTollefson//  
Michael J. Tollefson

7/30/06  
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.*

## Environmental Screening Form

(Version: FEB06)

Compliance Tracking Number: 2006-085

PEPC Project Number: 16301

### A. PROJECT INFORMATION

**Title:** South Fork Merced River Temporary River Gage Installation

**Location:** Wawona, Mariposa County, California

**Project Manager:** Jim Roche, Resources Management and Science, Yosemite National Park

**Project Manager:** Roger Bales, University of California, Merced, Sierra Nevada Institute

### B. PROJECT DESCRIPTION AND BACKGROUND

The purpose of this project would be to build a record of flows on the South Fork of the Merced in the Wawona Area.

This project would install a low-profile, temporary steamflow gage, which would consist of a weighted water level sensor placed on the bed of the river and connected via wiring and conduit to a radio transmitter on shore. The gage would be placed at the location of an existing staff plate used by park utilities staff to estimate flows for wastewater treatment compliance purposes. Data from the sensor would be relayed from the transmitter to a receiver located at the Sierra Nevada Research Institute building in Wawona and thence to a UC Merced Server. The transmitter installation (see instrumentation figure) would consist of a battery and transmitter box, antenna, and solar panel (17x39 inch) mounted to a T-post approximately 4 feet in height driven in the top of the north bank of the river. The antenna would be approximately 3 inches in height and mounted to the top of the T-post. The corresponding receiving antenna would be mounted to an existing antenna boom on the Sierra Nevada Research Institute building.

This temporary installation would remain in place for up to ten years and would be maintained by UC Merced personnel and students.

**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.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Jim Roche, park hydrologist.
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	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2b. Is the project in an approved plan? (Identify the plan and provide a section or page citation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2c. Is the project consistent with that plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
2d. Is the Plan's CE, FONSI, or ROD current?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3a. Are there any interested or affected parties?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Public interested in Merced Wild & Scenic River
3b. Has a diligent effort been made to communicate with them?	<input checked="" type="checkbox"/>			Approved project CE package would be posted to the NPS public PEPC website for 30 days before project implementation.
4a. Are there any affected agencies or tribes?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4b. Has consultation been completed?	<input type="checkbox"/>			

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

	Yes	No	N/A	Explanation/Notes
1. Maps: 2 required (vicinity map & site map)	<input checked="" type="checkbox"/>			Park and vicinity maps; see Attachment A.
2. Drawings (e.g., design, construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Proposed instrument setup; see Attachment B.
3. Site Plans	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Photographs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Sierra Nevada Research Institute Building showing proposed antenna setup; see Attachment C.
5. Non-NEPA/NHPA Approvals (Explain)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Other (Explain)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

## 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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Negligible: a small streamflow datalogger would be anchored to the bottom of the river.
2. From geohazards	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Air quality	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Soundscapes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Water quality or quantity	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Stream flow characteristics	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Marine or estuarine resources	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8. Floodplains or wetlands	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Negligible: the T-post to which instruments would be attached would be driven into the floodplain/meadow adjacent to the streambank.
9. Land use, including occupancy, income, values, ownership, type of use	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Yosemite National Park is a World Heritage site; no historic properties would be adversely affected by implementing this project; see Section F. National Historic Protection Act Checklist, below.
10. Rare or unusual vegetation – old growth timber, riparian, alpine	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Species of special concern (plant or animal; state or federal listed or proposed for listing) or their habitat	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Unique ecosystems, biosphere reserves, World Heritage Sites	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13. Unique or important wildlife or wildlife habitat	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14. Unique or important fish or fish habitat	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
15. Introduce or promote non-native species (plant or animal)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
16. Recreation resources, including supply, demand, visitation, activities, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Negligible: the instrument placement is small and fairly unobtrusive and would be out of the main area of public use at the Wawona Golf course. No historic properties would be adversely affected by implementing this project; see Section F. National Historic Protection Act Checklist, below.
17. Visitor experience, aesthetic resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
18. Cultural resources including cultural landscapes, ethnographic resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
19. Socioeconomics, including employment, occupation, income changes, tax base, infrastructure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
20. Minority and low income populations, ethnography, size, migration patterns, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
21. Energy resources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
22. Other agency or tribal land use plans or policies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
23. Resource, including energy, conservation potential	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Data gathered by the proposed instrumentation would increase park resource conservation potential.
24. Urban quality, gateway communities, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Data gathered by the proposed instrumentation would enhance the long-term management of park resources.
25. Long-term management of resources or land/resource productivity	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
26. Other important environment resources (e.g. geothermal, paleontological resources)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

### Comments, Mitigations and Conditions:

1. None

## D. MANDATORY CRITERIA

If implemented, would the proposed action:	Yes	No	N/A	Data Needed to Determine/Notes
1. Have material adverse effects on public health or safety?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mitigated: the assessment of effect is "No Adverse Effect;" see Section F. National Historic Preservation Act Checklist, below.
3. Have highly controversial environmental effects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5. Establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Be directly related to other actions with individually insignificant, but cumulatively significant, environmental effects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
7. Have adverse effects on properties listed or eligible for listing on the National Register of Historic Places?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mitigated: the assessment of effect is "No Adverse Effect;" see Section F. National Historic Preservation Act Checklist, below.
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
9. Require compliance with Executive Order 11988 (Floodplain Management), Executive Order 11990 (Protection of Wetlands), or the Fish and Wildlife Coordination Act?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
10. Threaten to violate a federal, state, local, or tribal law or requirement imposed for the protection of the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
11. Involve unresolved conflicts concerning alternative uses of available resources (NEPA sec. 102(2)(E))?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
12. Have a disproportionate, significant adverse effect on low-income or minority populations (EO 12898)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
14. Contribute to the introduction, continued existence, or spread of federally listed noxious weeds (Federal Noxious Weed Control Act)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
17. Have the potential for significant impact as indicated by a federal, state, or local agency or Indian tribe?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
18. Have the potential to be controversial because of disagreement over possible environmental effects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
19. Have the potential to violate the NPS Organic Act by impairing park resources or values?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

### Comments, Mitigations and Conditions:

1. None

### 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)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Species of special concern (Federal or State)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Park rare plants or vegetation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Potential habitat for any special-status species listed above?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If "yes" to any of the above questions, a Special-Status Species Checklist must be completed and attached.				
<b>Comments, Mitigations and Conditions:</b>				
1. None				

### F. NATIONAL HISTORIC PRESERVATION ACT CHECKLIST

Within the area of potential effect:	Yes	No	N/A	Data Needed to Determine/Notes
1. Will there be ground disturbance?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Driving a T-Post into the riverbank.
2. Are there any archeological sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CA MRP-0171/0172/0254/0515/H; the assessment of effect is "No Adverse Effect;" see the attached XXX.
3. Are there any Native American Indian traditional cultural resources?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown resources; see the attached XXX.
4. Is the project within the boundary of an archeological or historic landscape or district?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5a. Is there a National Historic Landmark?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5b. Is there a structure(s) on the park's <i>List of Classified Structures</i> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The old Wawona Ranger Station (building WA0400; LCS 55762).
5c. Is there a historic property with a DOE and concurrence by the SHPO or a completed National Register form?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
5d. Is there a cultural property requiring review under NHPA, Section 106?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Would there be alteration of a structure or cultural landscape covered by 5a-d, above?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The assessment of effect is "No Adverse Effect;" see Condition 1, below, and the attached XXX.
If "yes" to any of the above, then an Assessment of Effects form (YOSE-XXX) must be completed and attached.				
<b>Mitigations and Conditions:</b>				
1. Any new cable attached to the SNRI building should be installed with minimal damage to historic fabric and painted white. (Resources Management and Science)				

### G. WILDERNESS ACT CHECKLIST

Is the proposed project:	Yes	No	N/A	Data Needed to Determine/Notes
1. Within designated Wilderness?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
2. Within a Potential Wilderness Addition?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
If "yes" to either of the above, then a Wilderness Minimum Requirements Analysis must be completed and attached.				
<b>Mitigations and Conditions:</b>				
1. None				

## H. WILD AND SCENIC RIVERS ACT CHECKLIST

Does the proposed project:	Yes	No	N/A	Data Needed to Determine/Notes
1. Fall within a wild and scenic river corridor? If 'yes', name the river(s)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	South Fork Merced River
2. Fall within the bed and banks AND affect the free-flow of the river?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
3. Potentially affect water quality of the area?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
4. Remain consistent with its river segment classification?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Placement of the proposed instrumentation would remain consistent with this segment's classification as "Recreational."
5. Protect and enhance river ORVs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Placement of the proposed instrumentation would protect and enhance river ORVs.
6a. Fall within the River Protection Overlay?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The proposed instrumentation would be immediate edge of the riverbank.
6b. If "yes", is it consistent with conditions of the River Protection Overlay?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Placement of the proposed instrumentation would remain consistent with River Protection Overlay conditions.
7. Remain consistent with the areas Management Zoning?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Placement of the proposed instrumentation would remain consistent with this area's management zoning of "2A-Open Space."
8a. Fall on a tributary of a Wild and Scenic River?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
8b. If 9a is "yes", will the project affect the Wild and Scenic River corridor?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
8c. If 9a is "yes", will the project unreasonably diminish scenic, recreational, or fish and wildlife values?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If "yes" to questions 2, 9b, or 9c, then a WSRA Section 7 determination must be completed and attached.				
<b>Mitigations and Conditions:</b>				
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:**

The proposed installation of instrumentation on a T-Post would have impacts very similar to DO12 C (5) - Installation of signs, displays, and kiosks.

**Project Mitigations and Conditions:**

- 1. Any new cable attached to the SNRI building should be installed with minimal damage to historic fabric and painted white. (Resources Management and Science)**

*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.*

<i>//GWColliver//</i>	<i>7/30/06</i>
<b>Compliance Specialist</b>	<b>Date</b>

<i>//Mark A Butler//</i>	<i>7/30/06</i>
<b>Compliance Program Manager</b>	<b>Date</b>

<i>//Bill Delaney//</i>	<i>7/30/06</i>
<b>Chief, Project Management</b>	<b>Date</b>

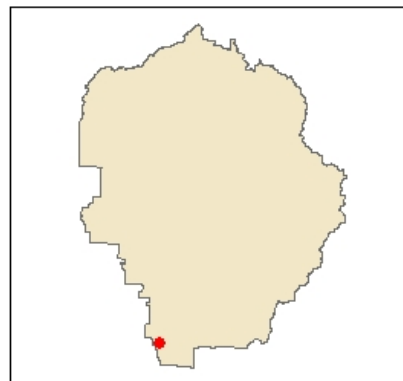
*The signed original of this document is on file at the Environmental Planning and Compliance Office in Yosemite National Park.*

## Attachment A

### South Fork Merced River Gage Installation in Wawona Site Location



Location Map



## Attachment B

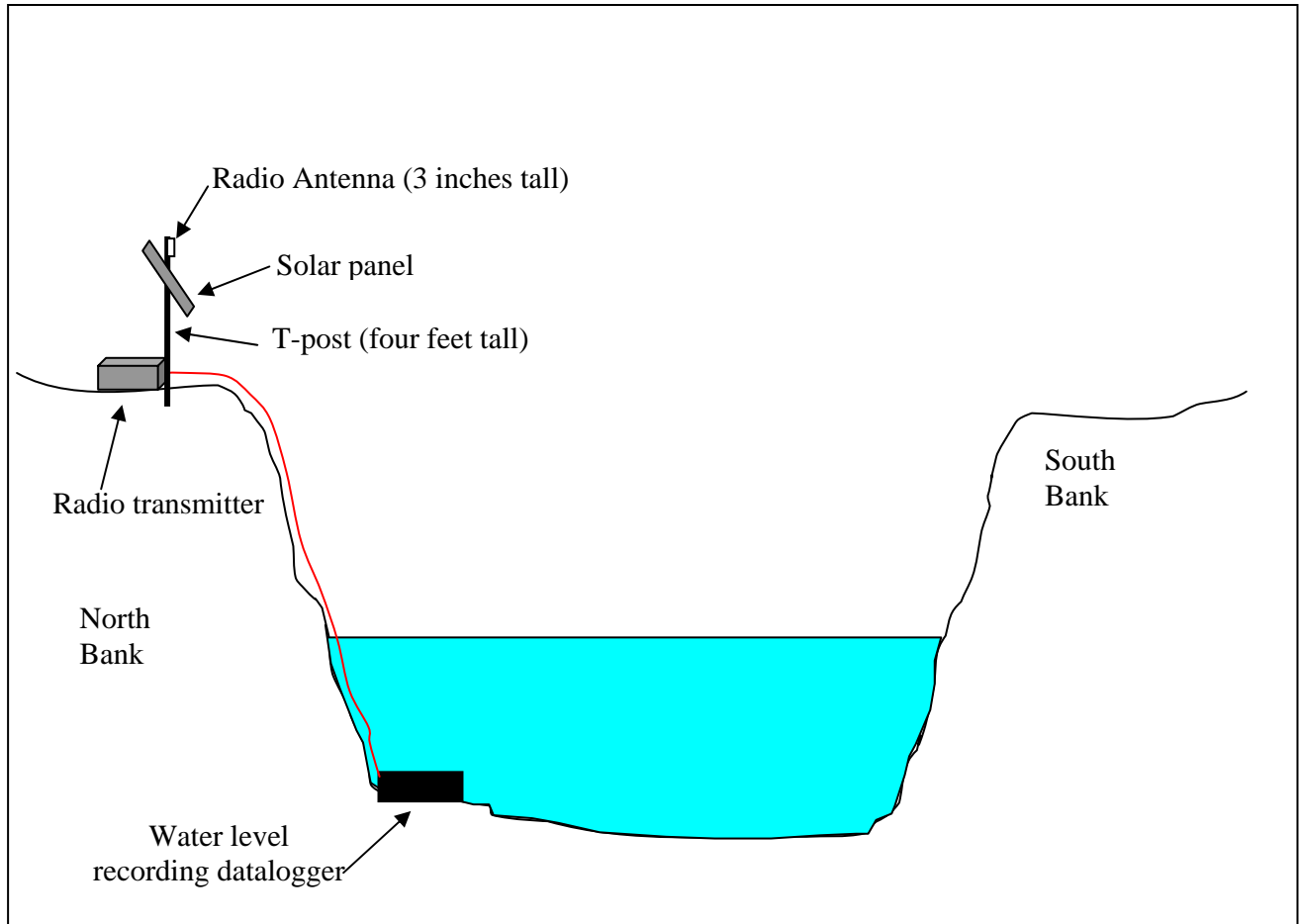
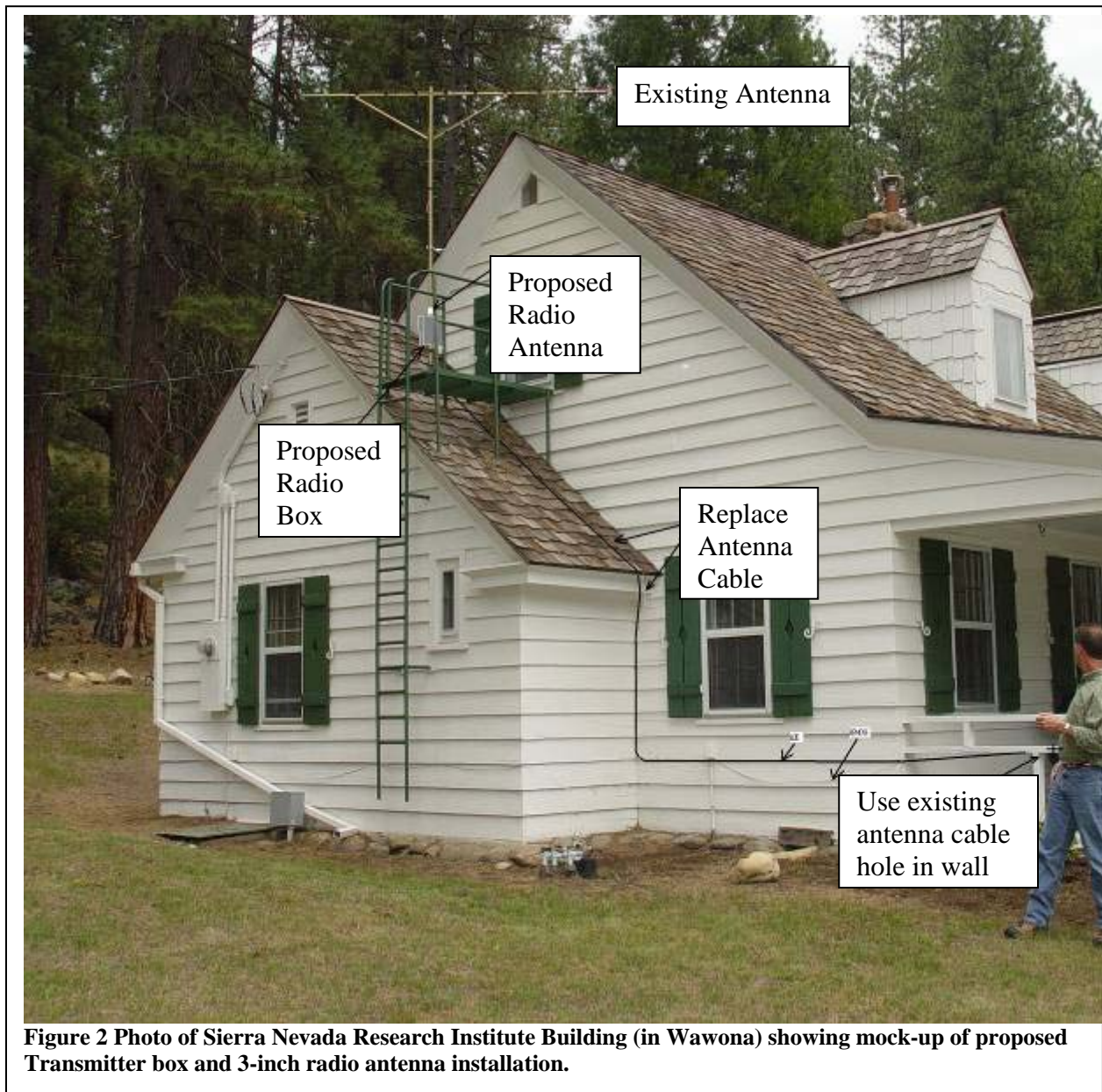


Figure 1 Proposed instrumentation setup, streamflow gage, South Fork Merced River

## Attachment C



## Preservation Assessment Form (YOSE XXX)

(Version: FEB06)

Compliance Tracking Number: 2006-085

PEPC Project Number: 16301

### A. DESCRIPTION OF UNDERTAKING

**Title:** South Fork Merced River Temporary River Gage Installation

**Project Location and Area of Potential Effect:**

Wawona, Mariposa County, California

**Project Manager:** Jim Roche, Resources Management Science, Yosemite National Park

**Project Description:** Purpose: The purpose of this project is to build a record of flows on the South Fork of the Merced in the Wawona Area.

Description: This low-profile temporary gage will consist of a weighted water level sensor placed on the bed of the river and connected via wiring and conduit to a radio transmitter on shore. The gage will be located at an existing staff plate used by park utilities staff to estimate flows for wastewater treatment compliance purposes. Data from the sensor would be relayed from the transmitter to a receiver located at the Sierra Nevada Research Institute building in Wawona and thence to a UC Merced Server. The transmitter installation (see instrumentation figure) will consist of a battery and transmitter box, antenna, and solar panel (17x39 inch) mounted to a T-post approximately 4 feet in height driven in the top of the north bank of the river. The antenna would be approximately 3 inches in height and mounted to the top of the T-post. The corresponding receiving antenna would be mounted to an existing antenna boom on the Sierra Nevada Research Institute building.

This temporary installation would remain in place for up to ten years and would be maintained by UC Merced personnel and students.

1. Attached Sensitive Information**	Yes	No	Explanation/Source/Notes
a. Maps	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CR GIS
b. Drawings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
c. Site Plans	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
d. Photographs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
e. Sample	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
f. List of Materials	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
g. Other (Explain)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

\*\* 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
<b>1. Has the Area of Potential Effect been surveyed to identify historic properties?</b> If Yes, provide reference for the Survey (s).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	YOSE 1974 B; YOSE1992 D
a. Would the proposed action affect a known historic property?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

2. List all Historic Properties in the Area of Potential Effect:	Affected?		Explanation/Notes
	Yes	No	
a. CA MRP-0171/0172/0254/0515/H	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ground disturbance
b. BLG 4000 LCS55762	<input type="checkbox"/>	<input type="checkbox"/>	Cable wire/receiver
c.	<input type="checkbox"/>	<input type="checkbox"/>	

3. List resources in the Area of Potential Effect to which American Indians attach cultural and religious significance:	Affected?		Explanation/Notes
	Yes	No	
a. Archaeological resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ground disturbance
b. Unidentified American Indian traditional resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ground disturbance
c.	<input type="checkbox"/>	<input type="checkbox"/>	

4. The proposed action will:	Yes	No	N/A	Explanation/Note
• Destroy, remove, or alter features or elements from a historic structure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
• Replace historic features/elements in kind	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
• Add nonhistoric features/elements to a historic structure	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
• Alter or remove features/elements of a historic setting or environment (including terrain)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
• Add nonhistoric features/elements (including visual, audible, or atmospheric) to a historic setting or cultural landscape	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	transmitter and receiving Antenna
• Disturb, destroy, or make archeological resources inaccessible, or alter associated terrain	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ground disturbance
• Disturb, destroy, or make ethnographic resources inaccessible, or alter associated terrain	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
• Begin or contribute to the deterioration of historic fabric, terrain, setting, landscape elements, or archeological or ethnographic resources	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
• Involve a real property transaction affecting historic cultural properties (i.e., the exchange, sale, or lease of land or structures)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
• Potentially affect presently unidentified historic resources	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
• Other	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

Checklist prepared by: Jeannette Simons  
Title: Historic Preservation Officer

Date: 07/10/06

### 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 *Service-wide 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.

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**Archeologist**Name: **Laura Kirn**

Date: 7/12/06

Comments:

Ground Disturbance Involved      Yes: ☒      No: ☐Assessment of Effect: **"No Adverse Effect"**

Recommended Conditions: Although this will be installed within an archeological site, installation of a T-post does not require excavation and ground disturbance is very minimal. Work will occur in floodplain at river bank.

Signature of Archeologist: //Laura Kirn// (signed original on file)

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**Cultural Anthropologist**Name: **Sonny Montague**

Date:

Comments:

Assessment of Effect:

Recommended Conditions:

Signature of Cultural Anthropologist: \_\_\_\_\_

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**Curator**Name: **Jonathan Bayless**

Date:

Comments:

Assessment of Effect:

Recommended Conditions:

Signature of Curator: \_\_\_\_\_

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**Historian**

Name: **Charles Palmer**

Date: 7/12/06

Comments: Located at existing instrumentation/monitoring site.

Assessment of Effect: **"No Adverse Effect"**

Recommended Conditions:

Signature of Historian: //Charles Palmer// (signed original on file)

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**Historic Architect**

Name: **Sueann Brown**

Date: 7/31/06

Comments:

Assessment of Effect: **"No Adverse Effect"**

Recommended Conditions: Any new cable attached to SNRI should be installed with minimal damage to historic fabric and painted white.

Signature of Historic Architect: //Sueann Brown// (signed original on file)

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**Historic Landscape Architect**

Name: **Steven Torgerson**

Date: 7/20/06

Comments:

Assessment of Effect: **"No Adverse Effect"**

Recommended Conditions: Locate at existing stie.

Signature of Historic Landscape Architect: //Steven D Torgerson// (signed original on file)



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**Preservation Specialist**

Name: **Doug Martin**

Date:

Comments:

Assessment of Effect:

Recommended Conditions: Recommended Conditions

Signature of Preservation Specialist: \_\_\_\_\_

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**Native American Liaison**

Name: **Jeannette Simons**

Date:

Comments:

Assessment of Effect:

Recommended Conditions:

Signature of Native American Liaison: \_\_\_\_\_

**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//  
Chief of Resources Management & Science Division

**Date:** 7/26/06

**2. Assessment of Effects: No Adverse Effect**

- 3. 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(3)

☐ **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.

#### 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. Any new cable attached to SNRI should be installed with minimal damage to historic fabric and painted white.

#### Recommended by Park Section 106 Coordinator:

Name: **Jeannette Simons**

Title: **Historic Preservation Officer**

Signature: //Jeannette Simons// Date: 7/31/06

#### 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: //MJTollefson//

Date: 8/11/06

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