



---

*A PDF text file of the project's approved environmental compliance package containing the letter of compliance completion, categorical exclusion form, environmental screening form, and any other associated environmental clearance forms, as applicable (e.g., Wilderness Minimum Requirement Analysis, Wild and Scenic River Section 7 Analysis). The signed originals of the package are on file in the Environmental Planning and Compliance Office at Yosemite National Park.*

## **Letter of Compliance Completion**

**To:** Tom Richie, Project Manager, Yosemite National Park

**From:** Cicely Muldoon, Superintendent, Yosemite National Park

**Subject:** NEPA and NHPA Clearance: 2021-001 South Entrance Station Wireless Bridge (PEPC: 100457)

The Superintendent and park interdisciplinary team have reviewed the proposed project and completed an impact analysis and documentation, and have determined the following:

- There will not be any effect on threatened, endangered, or rare species and/or their critical habitat.
- There will be no historic properties affected.
- There 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.

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

### **General**

- Only project actions described in Planning and Environmental and Public Comment (PEPC) 100457 are approved for implementation. Modifications to plans or additional actions require additional review and approval from the Yosemite National Park Environmental Planning and Compliance Office.

### **Air Quality**

- During any ground-disturbing work (e.g. trenching and post-hole digging) spray water at the project site to suppress dust.

### **Scenic Resources**

- All new elements should be painted brown or black to minimize visual impact, including dishes, metal poles and frames of solar panels.

## Vegetation

- When excavating utility trenches through natural areas, salvage existing topsoil and organic duff prior to disturbance, store in piles or windrows less than three feet high, and replace after construction to allow natural plant recolonization. A park Vegetation Construction Monitor may be required to ensure successful implementation of this mitigation. Contact VER Branch Chief Athena Demetry (athena\_demetry@nps.gov, (209) 379-3296) at least 2 weeks prior to trenching to determine the need for a monitor.
- Use the following measures to protect roots of trees to remain:
  - Adjust trenches and other excavations to keep them beyond the drip line wherever possible.
  - If trenching is necessary within drip line of any size oak tree or other trees larger than 12 inches diameter, use equipment that allows the operator to detect the presence of tree roots prior to damaging them. When a root is detected, hand-excavate 2 feet around the root to reveal its full extent prior to resuming excavation with equipment. Tunnel under and retain live roots 2 inches diameter or larger. Do not cut roots over 2 inch-in-diameter without approval of Contracting Officer. Roots that are to be retained shall be covered with wet burlaps until the excavation is backfilled. Roots between 1 inch and 2 inches diameter will be given a clean straight cut on the exposed end with a saw prior to backfilling.
  - Do not drive over root zones unless work cannot otherwise be reasonably done.
  - Prioritize protection of sugar pines and black oaks. Consult with Vegetation staff (Athena Demetry, VER Branch Chief, (209) 379-3296, athena\_demetry@nps.gov) at least 2 weeks before trenching to identify tree species and adjust the alignment where possible.
- All construction equipment that will leave paved roads shall be pressure-washed prior to entering the park and shall be clean of any soil, plant matter, or other materials. NPS natural resource specialists or the project manager shall inspect the vehicles prior to entry into the park. Call Garrett Dickman (garrett\_dickman@nps.gov, (209) 379-3282) to schedule inspection appointment at least two days in advance.
- All equipment, particularly the new installations at the helipad and leach field locations, should be easily removable in the event that a long-term connectivity solution is implemented in the future.
- Consult with Vegetation staff (Athena Demetry, VER Branch Chief, (209) 379-3296, athena\_demetry@nps.gov) at least 2 weeks before tree limbing or removal to identify tree species and provide guidance where needed.

## Wildlife

- Compliance with food-storage and garbage disposal requirements must be achieved at all times.
- Both project locations are within modeled Fisher habitat, however the project is expected to have no effect on the Fisher. If possible, project work should occur outside the March 1-May 31st Limited Operating Period.

There are no NHPA Recommendations for Conditions or Stipulations identified.

**Superintendent Signature:** \_\_\_\_\_ Cicely Muldoon **Date:** \_\_\_\_\_ July 14, 2021

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



---

## Categorical Exclusion Documentation Form (CE Form)

**Project:** South Entrance Station Wireless Bridge

**PEPC Project Number:** 100457

**Description of Action (Project Description):**

The implementation of a temporary reservation system for park entry in 2020 significantly increased the importance of network connectivity at the park entrance stations. Intermittent network connection has made it difficult for gate staff to pull up a visitor's reservation information to confirm their entry and has caused delays at the park's four entry stations. In addition to supporting the reservation system, credit card transactions using a new point-of-sale system, gate staff access to network-based systems such as SharePoint and email, VoIP phone systems, and camera servers all rely on dependable network connectivity at the park's entrance stations.

The park is proposing to create a wireless bridge between the South Entrance Station and the Henness Ridge Telecommunications facility to improve network connectivity at the entrance station. This will be accomplished by installing wireless repeaters at the Mosquito Creek Helipad and the South Entrance leach field to create a chain of line-of-sight points between the telecommunications facility and the entrance station.

The communications equipment at both repeater sites will consist of 24" parabolic antennas. If possible, new equipment at both locations (poles, antennas, solar panel frames) will be painted brown or black to the extent possible to minimize visual impact. The location and expected ground disturbance associated with these sites is summarized below:

Mosquito Creek Helipad: 37.562903, -119.694335 Equipment: Two 3" diameter steel poles buried ~6' deep will be installed ~60 feet from each other at this location. Each will have a 24" parabolic antenna mounted to it and the southernmost pole will also have 3 solar panels. The poles will stand ~8' above the ground. Power cable will be trenched between the two poles. The trench will be approximately 60 feet long, 18" wide, and 18" deep.

South Entrance Leach Field: 37.506582, -119.636090 Equipment: 24" parabolic antenna mounted on a 4" diameter steel pole buried ~6'. The pole will stand ~8' above the ground. Power and communication fiber will be trenched approximately 550' from the controls to the repeater location. The trench will be approximately 18" wide and 18" deep.

Some vegetation removal/trimming may be required to facilitate line-of-sight between the different repeater locations. This is expected to be limited to limbing one oak tree at the Mosquito Creek Helipad and removing 6-7 small cedars and pines (<12" dbh) at the leach field location.

This project is estimated to take 8-12 weeks to implement for equipment acquisition lead-time, trenching work, and testing. This entrance station connectivity solution will use unlicensed frequencies.

**Mitigation(s):**

See Letter of Compliance Completion Form for mitigations.

**CE Citation:** C.15 Installation of underground utilities in previously disturbed areas having stable soils, or in an existing utility right-of-way.

**CE Justification:**

Project is similar in scope, scale, and effect to this CE.

**Decision: I find that the action fits within the categorical exclusion above. Therefore, I am categorically excluding the described project from further NEPA analysis. No extraordinary circumstances apply.**

**Superintendent Signature:** \_\_\_\_\_ Cicely Muldoon **Date:** \_\_\_\_\_ July 14, 2021

**Extraordinary Circumstances:**

If implemented, would the proposal...	Yes/No	Notes
<b>A.</b> Have significant impacts on public health or safety?	No	None
<b>B.</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	None
<b>C.</b> Have highly controversial environmental effects or involve unresolved conflicts concerning alternative uses of available resources (NEPA section 102(2)(E))?	No	None
<b>D.</b> Have highly uncertain and potentially significant environmental effects or involve unique or unknown environmental risks?	No	None
<b>E.</b> Establish a precedent for future action or represent a decision in principle about future actions with potentially significant environmental effects?	No	None
<b>F.</b> [Repealed per DOI] Have a direct relationship to other actions with individually insignificant, but cumulatively significant, environmental effects?	n/a	No longer applicable per the updated 2020 CEQ NEPA regulations and DOI direction.
<b>G.</b> 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	None
<b>H.</b> 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	None
<b>I.</b> Violate a federal, state, local or tribal law or requirement imposed for the protection of the environment?	No	None
<b>J.</b> Have a disproportionately high and adverse effect on low income or minority populations (EO 12898)?	No	None

<p><b>K.</b> Limit access to and ceremonial use of Indian sacred sites on federal lands by Indian religious practitioners or adversely affect the physical integrity of such sacred sites (EO 130007)?</p>	<p>No</p>	<p>None</p>
<p><b>L.</b> 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)?</p>	<p>No</p>	<p>None</p>



## ENVIRONMENTAL SCREENING FORM (ESF)

Updated Sept 2015 per NPS NEPA Handbook

### A. PROJECT INFORMATION

**Project Title:** South Entrance

**PEPC Project Number:** 100457

**Project Type:** Communications (CA)

**Project Location: County, State:** Mariposa, California

**Project Leader:** Tom Richie

### B. PROJECT DESCRIPTION

See Categorical Exclusion Form.

### C. RESOURCE IMPACTS TO CONSIDER:

Resource	Potential for Impact	Potential Issues & Impacts
<b>Air</b> Air Quality <i>Dust</i>	Potential	Issue: Post hole digging and power trenching may produce dust.  Impact: Dust generation will be minimal, highly localized, and short-term during installation. The use of a water sprayer may be necessary.
<b>Biological</b> Nonnative or Exotic Species <i>Introduction of Exotic Species</i>	Potential	Issue: Equipment will be needed to perform trenching and hole-digging work. Equipment brought in from outside of the park may contain seeds of exotic species.  Impact: All equipment that will leave paved roads shall be pressure-washed and inspected prior to entering the park.
<b>Biological</b> Species of Special Concern or Their Habitat <i>Pacific Fisher</i>	Potential	Issue: Both project locations are within modeled habitat for the federally-endangered Pacific Fisher.  Impact: Repeater installation work is not expected to affect the Pacific Fisher due to its small impact and work likely being performed outside of the limited operating period..

<b>Resource</b>	<b>Potential for Impact</b>	<b>Potential Issues &amp; Impacts</b>
<b>Biological</b> Vegetation <i>Trees, Native Vegetation</i>	Potential	Issue: Proposed trenching locations are in areas with existing established trees and ground vegetation. Limited tree limbing/removal may be involved.  Impact: Per recommendations by park vegetation specialists, trench trajectories will be adjusted to avoid the drip line of trees to the extent possible. Removed topsoil and organic duff should be retained for replacement once trenching and backfill have been completed to allow for natural plant recolonization. The project manager will consult with vegetation specialists before limbing or removing any trees.
<b>Biological</b> Wildlife and/or Wildlife Habitat including terrestrial and aquatic species	n/a	n/a
<b>Cultural</b> Archeological Resources	Potential	Issue: Ground disturbance has potential to affect known and undocumented archeological resources.  Impact: Archeological surveys in both locations have not resulted in any significant findings. There are no concerns with the ground disturbing activities and no archeological monitoring or surveys are required.
<b>Cultural</b> Cultural Landscapes	None	n/a
<b>Cultural</b> Ethnographic Resources	None	n/a
<b>Cultural</b> Museum Collections	None	n/a
<b>Cultural</b> Prehistoric/historic structures <i>Wawona Road</i>	None	Issue: One of the new poles may be visible from a small section of the historic Wawona Road.  Impact: The new installation will only barely and briefly be visible from a small section of the road. The project has been assessed as having no effect on Wawona Road. All new elements will be painted brown or black to the extent possible to minimize visual impact.
<b>Geological</b> Geologic Features	None	n/a
<b>Geological</b> Geologic Processes	None	n/a
<b>Lightscapes</b> Lightscapes	None	n/a

<b>Resource</b>	<b>Potential for Impact</b>	<b>Potential Issues &amp; Impacts</b>
<b>Other</b> Human Health and Safety	None	n/a
<b>Other</b> Operational <i>Network Connectivity</i>	Potential	Issue: The implementation of this project is expected to improve network connectivity at the South Entrance Station.  Impact: Improved network access will allow the NPS to check reservations and move visitors through the entrance station more quickly.
<b>Other</b> Other	None	n/a
<b>Socioeconomic</b> Land Use	None	n/a
<b>Socioeconomic</b> Minority and low-income populations, size, migration patterns, etc.	None	n/a
<b>Socioeconomic</b> Socioeconomic	None	n/a
<b>Soundscapes</b> Soundscapes	None	n/a
<b>Viewsheds</b> Viewsheds <i>New equipment installations</i>	Potential	Issue: New equipment will be installed at both locations. Neither location is near high-use visitor areas and both have existing development on site.  Impact: If possible, all new elements should be painted brown or black to minimize visual impact, including dishes, metal poles and frames of solar panels.
<b>Visitor Use and Experience</b> Recreation Resources	None	n/a
<b>Visitor Use and Experience</b> Visitor Use and Experience	Potential	Issue: See Network Connectivity, above.
<b>Water</b> Floodplains	None	n/a
<b>Water</b> Marine or Estuarine Resources	None	n/a

<b>Resource</b>	<b>Potential for Impact</b>	<b>Potential Issues &amp; Impacts</b>
<b>Water</b> Water Quality or Quantity	None	n/a
<b>Water</b> Wetlands	None	n/a
<b>Water</b> Wild and Scenic River <i>Merced Wild and Scenic River Corridor</i>	Potential	<p>Issue: The Mosquito Creek portion of the project area is within Segment 8 (South Fork Merced River below Wawona) of the Merced Wild and Scenic River. This segment is classified as "wild".</p> <p>Impact: While the repeaters will be located within the WSR corridor, they will be a quarter of a mile away from the banks of the river along a ridgeline high above the river. The repeaters will be installed at an existing developed helicopter landing pad adjacent to the Wawona Road and will not be visible from the river.</p>
<b>Wilderness</b> Wilderness	None	n/a



# ASSESSMENT OF ACTIONS HAVING AN EFFECT ON HISTORIC PROPERTIES

## A. DESCRIPTION OF UNDERTAKING

1. **Park:** Yosemite National Park

### 2. **Project Description:**

**Project Name:** South Entrance Station Wireless Bridge

**Prepared by:** Daniel Sharon    **Date Prepared:** 02/19/2021    **Telephone:** (209) 379-1038

**PEPC Project Number:** 100457

#### **Locations:**

**County, State:** Mariposa, CA

#### **Describe project:**

See Categorical Exclusion Form

#### **Area of potential effects (as defined in 36 CFR 800.16[d])**

The APE is limited to the Mosquito Creek Helipad (37.562903, -119.694335) as well as a location north of the South Entrance Leach Field (37.506582, -119.636090). Equipment at each location will be mounted to 3-4" steel poles and will consist of a 24" parabolic antenna. An array of 3 solar panels will also be mounted to one of the poles at the Helipad location.

The vertical APE is limited to the penetrations required to install the mounting poles and power trenching at both repeater sites. The steel poles will require holes ~6" in diameter and ~6' deep. The trench for the buried power at the leach field repeater will be ~550' long, ~18" wide, and ~18" deep. The trench for the buried power between the two poles at the Mosquito Creek helipad location will be ~60' long, ~18" wide, and ~18" deep.

The poles will be located in forested areas away from high visitor-use areas. The southernmost pole at the Mosquito Creek Helipad may be visible from a small section of the historic Wawona Road (~100 m driving northbound). New equipment at both locations (poles, antennas, solar panel frames) will be painted brown or black to the extent possible to minimize visual impact. Some vegetation removal/trimming may be required to facilitate line-of-sight between the different repeater locations.

### 3. **Has the area of potential effects been surveyed to identify historic properties? Yes**

Source or reference:

### 4. **Potentially Affected Resource(s):**

**Archeological Resources Present:** No

**Historical Structures/Resources Present:** No

**Cultural Landscapes Present:** No

**Ethnographic Resources Present:** No

**Ethnographic Resources Notes:** Project details were included in the March 2021 Tribal Spreadsheet. No comments have been received from tribes.

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

Yes/No	The proposed action will...
No	Destroy, remove, or alter features/elements from a historic structure
No	Replace historic features/elements in kind
No	Add non-historic features/elements to a historic structure
No	Alter or remove features/elements of a historic setting or environment (inc. terrain)
No	Add non-historic features/elements (inc. visual, audible, or atmospheric) to a historic setting or cultural landscape
No	Disturb, destroy, or make archeological resources inaccessible
No	Disturb, destroy, or make ethnographic resources inaccessible>
Yes	Potentially affect presently unidentified cultural resources
No	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)
No	Other (please specify):

**6. Supporting Study Data:**

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

**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:

**106 Advisor**

**Name:** Hope Schear

**Date:** 04/20/2021

**Comments:** Standard review complete with finding of No Historic Properties within the APE or within view of the APE. No HLA required. No SHPO consultation required. Project went out on March 2021 tribal spreadsheet, consultation complete with no comments or concerns received.

**Check if project does not involve ground disturbance** [  ]

**Assessment of Effect:**  No Potential to Cause Effect  No Historic Properties Affected  No Adverse Effect  Adverse Effect  Streamlined Review

**Recommendations for conditions or stipulations:**

**Doc Method:** Standard 4-Step Process

[ X ] **Anthropologist**

**Name:** Liz Williams

**Date:** 04/13/2021

**Comments:** Please refer to arch comments.

Project submitted for tribal consultation in March 2021 Tribal Spreadsheet emailed to tribes for 30 day review on March 11, 2021.

No tribal comments received within 30 day review period.

**Check if project does not involve ground disturbance** [  ]

**Assessment of Effect:**  No Potential to Cause Effect  No Historic Properties Affected  No Adverse Effect  Adverse Effect  Streamlined Review

**Recommendations for conditions or stipulations:**

**Doc Method:** Standard 4-Step Process

[ X ] **Archeologist**

**Name:** Wesley Wills

**Date:** 03/16/2021

**Comments:** MOSQUITO CREEK Helipad location includes two tower locations set 35 feet apart, with trenching 1.5 feet deep in between. Estimated APE designated as overly-wide 30m radius circle around both. No known resources lie within or adjacent to APE. Prior survey in 1992. Surface survey herein 2021 resulted in no finds. Four shovel probes to 60cmts along proposed trench alignment resulted in no finds.

SOUTH ENTRANCE Leachfield location: Tower location/fixture: Lat/Long = 37.506557°, -119.635863° with trenching towards Control Box location 37.505403° -119.635333°. Estimated APE of 30m radius circle around coordinates, plus 30m radius buffer running SSW to approximately 500 feet along proposed trench alignment is not straight but follows path of least tree resistance. Prior studies of area include YOSE 2005LL, 2011G and 2000KK. No known existing cultural resources within area. Northern area previously disturbed by powerline roadcut. Central area surface surveyed herein 2021 resulted in no finds. Southern area previously disturbed by leachfield construction.

No concerns for ground disturbance in either location and no additional archeological work is recommended.

**Check if project does not involve ground disturbance** [  ]

**Assessment of Effect:**  No Potential to Cause Effect  No Historic Properties Affected  No Adverse Effect  Adverse Effect  Streamlined Review

**Recommendations for conditions or stipulations:**

**Doc Method:** Standard 4-Step Process

[ X ] **Historical Architect**

**Name:** Donald Faxon

**Date:** 06/07/2021

**Comments:** The proposed Mosquito Creek helipad location exists within the viewshed of historic Wawona Road and is currently largely free of any visual intrusions created by items made by man beyond the cut of the pad itself

(a small existing solar-powered device located below the sightline to the west is out of the line of sight). This project involves line-of-signal repeating equipment that connects northern and southern antenna locations. The equipment consists of two six-foot poles, attached circular antennae, and attached solar charging systems.

Site inspection of the proposed southern-most pole and repeating equipment - - with consideration of its height, color, and shiny solar collector - - demonstrated that it will not be visible to northern traffic from the most prominent open area along the road (approximately 1/8 of a mile from the device); and will only barely and briefly be visible as a tiny object from the only other open area at the curve to the south approximately 1/2 mile away, where focus is more traffic-related. The northern-most pole and equipment is not visible in any way from the road.

**Check if project does not involve ground disturbance** [  ]

**Assessment of Effect:**  No Potential to Cause Effect  No Historic Properties Affected  No Adverse Effect  Adverse Effect  Streamlined Review

**Recommendations for conditions or stipulations:**

**Doc Method:** Standard 4-Step Process

**No Reviews From:** Curator, Historian, Other Advisor, Historical Landscape Architect

**C. PARK SECTION 106 COORDINATOR'S REVIEW AND RECOMMENDATIONS**

**1. Assessment of Effect:**

Select with X	Assessment of Effect
n/a	No Potential to Cause Effects
X	No Historic Properties Affected
n/a	No Adverse Effect
n/a	Adverse Effect

**2. Documentation Method:**

**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. Undertaking Related to Park Specific or Another Agreement**

The proposed undertaking is covered for Section 106 purposes under another document such as a park, region or statewide agreement established in accord with 36 CFR 800.7 or 36 CFR 800.14.

**D. Combined NEPA/NHPA Process**

Process and documentation required for the preparation of an EA/FONSI or an EIS/ROD to comply with Section 106 is in accord with 36 CFR 800.8.c.

**3. Consultation Information**

**SHPO Required:** No

**SHPO Sent:**

**SHPO Received:**

**THPO Required:** Yes

**THPO Sent:** Mar 11, 2021

**THPO Received:** No response received after 30 days

**SHPO/THPO Notes:** No Historic Properties identified within the APE- sign-offs complete.

**Advisory Council Participating:** No

**Advisory Council Notes:**

**Additional Consulting Parties:** No

**4. Stipulations and 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.

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

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

- All new elements should be painted brown or black to minimize visual impact, including dishes, metal poles and frames of solar panels.

**6. Assessment of Effect Notes:**

**D. RECOMMENDED BY PARK SECTION 106 COORDINATOR:**

**Section 106 Coordinator Signature:** Hope Schear **Date:** July 6, 2021

**E. 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.

**Superintendent Signature:** Cicely Muldoon **Date:** July 14, 2021



## Other Compliance/Consultations Form

**Park Name:** Yosemite National Park  
**PEPC Project Number:** 100457  
**Project Title:** South Entrance Station Wireless Bridge  
**Project Type:** Communications  
**Project Location:**  
**County, State:** Mariposa, CA  
**Project Leader:** Tom Richie

### ESA

**Any Federal Species in the project Area?** Yes  
**If species in area:** No Effect  
**Was Biological Assessment prepared?** No  
**If Biological Assessment prepared, concurred?**  
**Formal Consultation required?** No  
**Formal Consultation Notes:**

**Formal Consultation Concluded:**  
**Any State listed Species in the Project Area?**  
**Consultation Information:**  
**General Notes:** Both project locations are within modeled Pacific Fisher habitat, however the project is expected to have no effect on the Fisher. If possible, project work should occur outside the March 1-May 31<sup>st</sup> LOP.

### ESA Mitigations

*No ESA mitigations are associated with this project.*

### Floodplains/Wetlands/§404 Permits

Question	Yes/No	Details
<b>A.1. Is project in 100- or 500-year floodplain or flash flood hazard area?</b>	No	Not in floodplain or flash flood hazard area.
<b>A.2. Is Project in wetlands as defined by NPS/DOI?</b>	No	Not in wetland as defined by NPS/DOI.
<b>B. COE Section 404 permit needed?</b>	No	No placement of fill in waters of the United States.
<b>C. State 401 certification?</b>	No	N/A
<b>D. State Section 401 Permit?</b>	No	Issue Date: Expiration Date:
<b>E. Tribal Water Quality Permit?</b>	No	N/A

Question	Yes/No	Details
<b>F. CZM Consistency determination needed?</b>	N/A	N/A
<b>G. Erosion &amp; Sediment Control Plan Required?</b>	No	N/A
<b>H. Any other permits required?</b>	No	Permit Information:
<b>Other Information:</b>	N/A	N/A

### Floodplains & Wetlands Mitigations

*No Floodplains & Wetlands mitigations are associated with this project.*

### Wilderness

Question	Yes/No	Notes
<b>A. Does this project occur in or adjacent to Designated, Recommended, Proposed, Study, Eligible, or Potential Wilderness?</b>	No	N/A
<b>B. Is the only place to conduct this project in wilderness?</b>	No	N/A
<b>C. Is the project necessary for the administration of the area as wilderness?</b>	No	N/A
<b>D. Would the project or any of its alternatives adversely affect (directly or indirectly) Designated, Recommended, Proposed, Study, Eligible, or Potential Wilderness? (If Yes, Minimum Requirements Analysis required)</b>	No	N/A
<b>E. Does the project or any of its alternatives involve the use of any of the Wilderness Act Section 4(c) prohibited uses: commercial enterprise, permanent road, temporary road, motor vehicles, motorized equipment, motorboats, landing of aircraft, mechanical transport, structure, or installation? (If Yes, Minimum Requirements Analysis required)</b>	No	N/A
<b>If the answer to D or E above is "Yes" then a Minimum Requirements Analysis is required. Describe the status of this analysis in the column to the right.</b>	N/A	Initiation Date: Completed Date: Approved Date:
<b>Other Information:</b>	N/A	N/A

**Other Permits/Laws** *Questions A & B are no longer used.*

Question	Yes/No
<b>C. Wild and scenic river concerns exist?</b>	No
<b>D. National Trails concerns exist?</b>	No
<b>E. Air Quality consult with State needed?</b>	No
<b>F. Consistent with Architectural Barriers, Rehabilitation, and Americans with Disabilities Acts or not Applicable? (If N/A check Yes)</b>	Yes
<b>G. Other:</b>	No

**Other Information:**

The Mosquito Creek portion of the project area is within Segment 8 (South Fork Merced River below Wawona) of the Merced Wild and Scenic River, however this installation will not be visible from and will have no impact on the WSR.

**Data Entered by:** Daniel Sharon

**Date:** April 29, 2021