

## **MITIGATION MONITORING PROGRAM**

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### **USE PERMIT APPLICATION UP-2016-00392 HENDERSON-PARKVIEW OPEN SPACE RESTORATION TRAIL & KAYAK ACCESS PROJECT**

#### **MITIGATION MONITORING PROGRAM CONTENTS**

This document is the Mitigation Monitoring Program (MMP) for the Henderson-Parkview Open Space Restoration Trail & Kayak Access Project. The MMP includes a brief discussion of the legal basis for and the purpose of the program, discussion, and direction regarding complaints about noncompliance, a key to understanding the monitoring matrix, and the monitoring matrix itself.

#### **LEGAL BASIS OF AND PURPOSE FOR THE MITIGATION MONITORING PROGRAM**

California Public Resources Code Section 21081.6 requires public agencies to adopt mitigation monitoring or reporting programs whenever certifying an environmental impact report (EIR) or a mitigated negative declaration. This requirement facilitates implementation of all mitigation measures adopted through the California Environmental Quality Act (CEQA) process.

The MMP contained herein is intended to satisfy the requirements of CEQA as they relate to the Initial Study/Mitigated Negative Declaration prepared for Henderson-Parkview Open Space Restoration Trail & Kayak Access Project. It is intended to be used by City of Redding (City) staff, participating agencies, project contractors, and mitigation monitoring personnel during implementation of the project.

Mitigation is defined by CEQA Guidelines Section 15370 as a measure that does any of the following:

- Avoids impacts altogether by not taking a certain action or parts of an action.
- Minimizes impacts by limiting the degree or magnitude of the action and its implementation.
- Rectifies impacts by repairing, rehabilitating or restoring the impacted environment.
- Reduces or eliminates impacts over time by preservation and maintenance operations during the life of the project.
- Compensates for impacts by replacing or providing substitute resources or environments.

The intent of the MMP is to ensure the effective implementation and enforcement of adopted mitigation measures and permit conditions. The MMP will provide for monitoring of construction activities as necessary, on-site identification and resolution of environmental problems, and proper reporting to City staff.

## MITIGATION MONITORING TABLE

The Mitigation Monitoring Table identifies the mitigation measures proposed for the Henderson-Parkview Open Space Restoration Trail & Kayak Access Project. These mitigation measures are reproduced from the Initial Study and conditions of approval for the project. The tables have the following columns:

**Mitigation Measure:** Lists the mitigation measures identified within the Initial Study for a specific impact, along with the number for each measure as enumerated in the Initial Study.

**Timing:** Identifies at what point in time, review process, or phase the mitigation measure will be completed.

**Agency/Department Consultation:** References the City department or any other public agency with which coordination is required to satisfy the identified mitigation measure.

**Verification:** Spaces to be initialed and dated by the individual designated to verify adherence to a specific mitigation measure.

## NONCOMPLIANCE COMPLAINTS

Any person or agency may file a complaint asserting noncompliance with the mitigation measures associated with the project. The complaint shall be directed to the City in written form, providing specific information on the asserted violation. The City shall conduct an investigation and determine the validity of the complaint. If noncompliance with a mitigation measure has occurred, the City shall take appropriate action to remedy any violation. The complainant shall receive written confirmation indicating the results of the investigation or the final action corresponding to the particular noncompliance issue.

**MITIGATION MONITORING TABLE**  
**FOR HENDERSON-PARKVIEW RESTORATION TRAIL & ACCESS PROJECT (UP-2016-00392) MMP**

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<b><i>Biological Resources – Riparian Habitat</i></b>			
Mitigation Measure 1 a. The width of the construction disturbance with riparian habitat shall be minimized through careful pre-construction planning. b. Exclusionary fencing shall be installed along the boundaries of all riparian areas to be avoided to ensure impacts on riparian vegetation outside of the construction area are minimized. All construction-related pedestrian and vehicle/equipment travel shall be prohibited from these fenced off areas. The exclusionary fencing shall be inspected and maintained on a regular basis throughout project construction and removed upon project completion. c. Riparian habitat areas temporarily disturbed shall be replanted with native riparian species known to occur in the project area and general vicinity. d. Areas planted with native riparian species shall be maintained and monitored to ensure the plantings are surviving and healthy.	Prior to grading permit issuance and during all construction activity	Development Department      Services	
<b><i>Biological Resources – Non-Native and Invasive Plant Species</i></b>			
Mitigation Measure 2 a. All equipment used for off-road construction activities will be weed-free prior to entering the project area. b. If project implementation calls for mulches or fill, they will be weed free. c. Any seed mixes or other vegetative material used for re-vegetation of disturbed sites will	During all construction activity	Development Department      Services	

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p>consist of locally adapted native plant materials to the extent practicable.</p> <p>d. Non-native and invasive species removed during project construction will be properly removed and disposed of to prevent the spread of non-native and invasive species in the project area and vicinity.</p>			
<b><i>Biological Resources – Waters of the United States</i></b>			
<p>Mitigation Measure 3</p> <p>a. If any stockpiled materials are to remain on site through the wet season, they should be covered and/or protected (e.g., silt fence, straw wattles) to prevent erosion.</p>	During all construction activity	Development Department      Services	
<b><i>Biological Resources – Critical Fish Habitat</i></b>			
<p>Mitigation Measure 4</p> <p>a. The project shall at all times provide adequate erosion and sediment control devices to prevent potential degradation of water quality.</p> <p>b. The contractor shall prevent the discharge of sediment, and/or muddy, turbid, or silt laden waters, resulting from project activities, into the river. Where necessary, sediment barriers (e.g., filter fabric fencing, fiber mats, straw or waddles/rolls) capable of preventing sedimentation/turbidity shall be installed and maintained.</p> <p>c. Minimization of the width of the construction disturbance zone within the riparian habitat through careful pre-construction planning.</p> <p>d. Erecting construction fencing along the outer edges of the construction zone where needed to prevent accidental entry into riparian habitat.</p> <p>e. Mature cottonwoods, alders, and valley</p>	Prior to issuance of a grading permit and during all construction activity	Development Department      Services	

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p>oaks located near construction areas shall be flagged and avoided during construction. No native vegetation shall be completely removed: only those branches in the lower 10 feet of any woody plant may be trimmed to accommodate vehicular access. Understory vegetation may be trimmed only as needed.</p> <p>f. In the event that a mature woody riparian plant contributing to shaded riverine aquatic (SRA) habitat is disturbed during project construction, it shall be replaced. The amount of habitat created/restored shall be at least three times greater than the amount lost due to project implementation (3:1 ratio, new plantings per woody riparian plant destroyed). These replanting ratios will help ensure successful establishment of at least one vigorous plant for each established plant removed to accommodate the project.</p> <p>g. Stockpiling equipment and materials outside of riparian habitat.</p> <p>h. Impacts on herbaceous cover will be offset by reseeded and/or mulching any unvegetated and impacted areas with a suitable seed mixture post construction.</p> <p>i. Lighting along trails and parking spaces will be directed towards the ground and away from the Sacramento River.</p>			
<b>Biological Resources – California Red-legged Frog</b>			
<p>Mitigation Measure 5</p> <p>a. Environmental awareness training for construction personnel will be conducted by a qualified biologist prior to the on-set of work to brief them on how to recognize California Red-legged Frog (CRLF) and</p>	<p>Prior to issuance of a grading permit and during all construction activity</p>		

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p>other potentially occurring special-status species, and what measures to take if a special-status species is encountered during project activities.</p> <p>b. A qualified biologist should conduct pre-construction surveys shall be conducted within two weeks prior to commencement of construction for CRLF for work activities occurring near aquatic habitats and dense riparian vegetation. If CRLF is encountered during surveys, the appropriate agencies (USFWS and CDFW) shall be notified.</p> <p>c. Construction activities should occur during the dry season when CRLF are more closely tied to aquatic habitats.</p> <p>d. To avoid potential injury or mortality, vegetation clearing will be done manually using hand tools (e.g., chainsaw, loppers, weed trimmer). The cut vegetation will be removed from the work area by hand.</p> <p>e. If a CRLF is encountered during project activities the project activities will stop and the appropriate agencies (USFWS and CDFW) shall be notified.</p> <p>f. The project shall at all times provide adequate erosion and sediment control devices to prevent potential degradation of water quality.</p>			
<b><i>Biological Resources – Bald Eagle and Special-Status Bird Species</i></b>			
<p>Mitigation Measure 6</p> <p>a. If construction activities are planned during the nesting season (February 15 through September 30), then pre-construction surveys for nesting raptors including the bald eagles shall be conducted within two weeks prior to commencement of</p>	<p>Prior to issuance of a grading permit</p>		

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p>construction by a qualified biologist within the project area and a 250-foot buffer around the project area to ensure that no nests will be disturbed during project implementation. At least one survey should be conducted no more than 14 days prior to the initiation of construction activities. If an active raptor nest is found within 250 feet of the project area, the biologist (in consultation with the CDFW, shall determine the extent of a construction-free buffer zone to be established around the nest. A biological monitor will be present during construction activities in the area to ensure that the nesting special-status birds are not disturbed by these activities.</p> <p>b. If all necessary approvals have been obtained, potential nesting substrate (e.g., shrubs and trees) that will be removed by the project should be removed before the onset of the nesting season, if practicable. This will help preclude nesting and substantially decrease the likelihood of direct impacts.</p>			
<b>Biological Resources – Western Pond Turtle</b>			
<p>Mitigation Measure 7</p> <p>a. Because turtles may move into and out of the project area, a pre-construction survey shall be conducted prior to commencement of construction for the species to confirm its status (presence/absence) on the site. The survey will be conducted by a qualified biologist and shall consist of a least one survey of the project site for western pond turtle and their nests. The survey shall be conducted a maximum of one week prior to construction activities. If a western pond</p>	<p>Prior to issuance of a grading permit and during all construction activity</p>	<p>Development Services Department</p>	

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p>turtle is found, the biologist shall move it to a safe location within similar habitat. If a western pond turtle nest is found, the biologist shall flag the site and determine if project activities can avoid affecting the nest. If the nest cannot be avoided, it will be excavated and re-buried at a suitable location outside of the construction impact zone by a qualified biologist.</p> <p>b. If a western pond turtle is encountered during construction activities, the activities in the vicinity shall cease until appropriate corrective measures have been implemented or it has been determined that the turtle will not be harmed. Any turtles encountered during work shall be allowed to move away on their own. Any trapped, injured, or killed turtles shall be reported immediately to CDFW.</p> <p>c. Standard Best Management Practices (BMP's) shall be implemented to ensure no potentially hazardous materials reach surface water features. Recommended BMP's include the following:</p> <p>i. If necessary, a site specific spill prevention plan shall be implemented for potentially hazardous materials. The plan shall include the proper handling and storage of all potentially hazardous materials, as well as the proper procedures for cleaning up and reporting any spills. Containment berms shall be constructed to prevent spill materials from reaching surface water features.</p> <p>ii. Equipment and hazardous materials</p>			

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p>shall be stored at least 50 feet away from surface water features.</p> <p>iii. Vehicles and equipment used during construction shall receive proper and timely maintenance to reduce the potential for mechanical breakdown leading to a spill of materials. Maintenance and fueling shall be conducted in an area at least 50 feet away from water features.</p>			
<b>Biological Resources – Ringtail Cat</b>			
<p>Mitigation Measure 8</p> <p>a. If vegetation removal or construction activities occur outside of the breeding season for ringtail cat (February 1 through May 1), no further mitigation is necessary. If the breeding season cannot be completely avoided, the following measures will be implemented.</p> <p>b. If proposed tree and snag removal are to occur in suitable habitat for ringtail cat during the breeding season, a qualified biologist shall conduct a pre-construction survey within two weeks prior to commencement of construction for potential natal or maternity den trees. If an active den is found, a qualified biologist, in consultation with CDFW, will determine a construction-free buffer zone to be established around the den until the mother and young have dispersed.</p>	During all construction activity	Development Department      Services	
<b>Biological Resources – Migratory Birds</b>			
<p>Mitigation Measure 9</p> <p>a. Project activities should be scheduled to avoid the nesting season to the extent feasible. The typical nesting season in</p>	Prior to issuance of a grading permit.	Development Department      Services	

Mitigation Measure	Timing/Implementation	Enforcement/Monitoring	Verification (Date and Initials)
<p>northern California extends from February 15 through September 30. Thus, if project activities can be scheduled to occur outside of the nesting season, no impacts would be expected. If the nesting season cannot be completely avoided, Mitigation Measure 6 shall be implemented.</p>			
<p><i>Biological Resources – Pallid Bat, Townsend’s Big-eared Bat, and Western Red Bat</i></p>			
<p>Mitigation Measure 10  a. To the extent practicable, the removal of any large trees, if necessary, shall occur outside of the breeding season for bats. For purposes of implementation of this measure, the breeding season is considered to be April 1 through August 15.</p>	<p>Prior to issuance of a grading permit.</p>	<p>Development Department          Services</p>	