

**Suscol Headwaters Park – Phase 2  
Mitigation Monitoring and Reporting Program**

Mitigation Number and Environmental Impact Subject	Adopted Mitigation Measure	Time Frame	Implementation	Monitoring	Reporting & Date of Compliance/Completion
(1) <b>Biological Resources</b>	<b>Streamside daisy.</b> Prior to the start of construction, a qualified biologist will flag the existing eight streamside daisy plants plus a 10-foot buffer surrounding the plants, such that all trail construction will avoid the plants.	Prior to Construction	District	District	Completed by Jake Ruygt April 5, 2023
(2) <b>Biological Resources</b>	<b>Swainson's Hawk.</b> If any construction, grading, or vegetation removal associated with the installation of the North Kelly Road trailhead or trailhead parking lot is scheduled during the nesting season for Swainson's hawks (March 1 to September 15), prior to beginning work on the Project, a qualified biologist shall conduct surveys according to the Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in California's Central Valley ( <a href="https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=83990&amp;inline">https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=83990&amp;inline</a> ) and prepare a report documenting the survey results. The Project shall obtain CDFW's written approval of the qualified biologist and survey report prior to starting construction activities between March 1 and September 15. Survey methods shall be closely followed by starting early in the nesting season (late March to early April) to maximize the likelihood of detecting an active nest (nests, adults, and chicks are more difficult to detect later in the growing season because trees become less transparent as vegetation increases). Surveys shall be conducted: 1) within a minimum 0.5-mile radius of the Project site or a larger area if needed to identify potentially impacted active nests, unless otherwise approved by CDFW in writing, and 2) for at least the two survey periods immediately prior to initiating Project-related construction activities, unless otherwise approved in writing by CDFW. Surveys shall occur annually for the duration of the Project. The qualified biologist shall have a minimum of two years of experience implementing the survey	Prior to Ground Disturbance	District	District	

Notes: District = Napa County Regional Park and Open Space District, RCD = Resource Conservation District, AG = Agricultural Commissioner, CDFG = California Dept of Fish & Game, USFWS = US Fish and Wildlife Service, USACE = US Army Corp of Engineers, CT = CALTRANS, EMD = Environmental Management, County=Napa County, Expert=qualified professionals retained by NCRPOSD, City= City of Napa  
PC = Prior to Project Commencement CPI = Construction Period Inspections FI = Final Inspection OG = Ongoing

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(3) <b>Biological Resources</b>	<p>methodology resulting in detections. If active Swainson's hawk nests are detected, the Project shall immediately notify CDFW and implement a 0.5-mile construction avoidance buffer around the nest until the nest is no longer active as determined by a qualified biologist, unless otherwise approved in writing by CDFW. Any detected nesting Swainson's hawk shall be monitored by the qualified biologist to ensure it is not disturbed during construction activities, unless otherwise approved in writing by CDFW. If take of Swainson's hawk cannot be avoided, the Project shall consult with CDFW pursuant to CESA and obtain an ITP before Project activities may commence.</p> <p><b>Burrowing Owl.</b> A qualified biologist shall conduct surveys for wintering burrowing owl prior to construction if construction starts during the burrowing wintering season (September 1 to January 31). The surveys shall follow the Department of Fish and Game Staff Report on Burrowing Owl Mitigation (2012) methodology (<a href="https://wildlife.ca.gov/Conservation/Survey-Protocols#377281284-birds">https://wildlife.ca.gov/Conservation/Survey-Protocols#377281284-birds</a>) and the qualified biologist shall prepare a report documenting the survey results. The surveys shall encompass the Project site and a sufficient buffer zone to detect owls nearby that may be impacted, which is up to 500 meters (1,640 feet) around the Project site pursuant to the above methodology. Habitat assessments and surveys shall occur annually for the duration of the Project, as conditions may change annually and suitable refugia for burrowing owl, such as small mammal burrows, can be created within a few hours or days, unless otherwise approved in writing by CDFW. Surveys for non-breeding burrowing owl shall be spread over four visits during the nonbreeding season (i.e., wintering), September 1 to January 31. Time lapses between surveys or Project activities shall trigger subsequent surveys including, but not limited to, a final survey within 24 hours prior to ground disturbance. The qualified biologist shall have a minimum of two years of experience implementing the above methodology</p>	Prior to Ground Disturbance	District	District	

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(4) <b>Biological Resources</b>	<p>resulting in burrowing owl detections. The Project shall immediately notify CDFW if burrowing owl is detected and implement a construction avoidance buffer around any detected burrowing owl pursuant to the buffer distances outlined in the Department of Fish and Game Staff Report on Burrowing Owl Mitigation (2012), which may be up to 500 meters (1,640 feet). Any detected owl shall be monitored by the qualified biologist to ensure it is not disturbed during construction activities. If take of burrowing owl cannot be avoided, the Project shall consult with CDFW pursuant to CESA and obtain an ITP before Project activities may commence.</p> <p><b>Burrowing Owl.</b> Covering of Entrapment Hazards: To prevent burrowing owl from sheltering or nesting in exposed material during wintering season (September 1 to January 31); all construction pipes, culverts, hoses or similar materials greater than two inches in diameter stored at the Project site shall be capped or covered before the end of each workday and shall be inspected thoroughly for wildlife before the pipe or similar structure is buried, capped, used, or moved.</p>	Prior to Ground Disturbance	District	District	
(5) <b>Biological Resources</b>	<p><b>Crotch's bumble bee.</b> Project shall conduct a pre-construction survey consistent with Survey Considerations for California Endangered Species Act (CESA) Candidate Bumble Bee Species (CDFW 2023). The survey plan should be submitted to CDFW for review. Surveys shall be conducted by a qualified entomologist familiar with the behavior and life history of Crotch's bumble bee.</p> <p>Surveys shall be conducted during the colony active period (i.e., April through August) and when floral resources are in peak bloom. Bumble bees move nests sites each year, therefore, surveys shall be conducted each year that Project work activities occur.</p> <p>Avoidance or Take Authorization</p> <p>If Crotch's bumble bee are detected during pre-construction surveys, a</p>	Prior to Ground Disturbance	District	District	

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(6) <b>Biological Resources</b>	<p>Crotch's bumble bee avoidance plan should be developed and provided to CDFW for review prior to work activities involving ground disturbance or vegetation removal. The Project shall incorporate CDFW's comments into the avoidance plan. If take of Crotch's bumble bee cannot be avoided, the Project shall consult with CDFW pursuant to CESA and obtain an ITP before Project activities may commence.</p> <p><b>White Tailed Kite and Nesting Birds.</b> If construction, grading, vegetation removal, or other Project-related activities are scheduled during the avian nesting season, February 1 to August 31, a qualified biologist shall conduct a survey for active bird nests within 7 days prior to the beginning of Project-related activities. The survey shall cover the entire Project site and a minimum 500-foot buffer around the Project site. If a lapse in Project-related work of seven days or longer occurs, another survey shall be conducted before Project work can be reinitiated. If an active nest is found during surveys, the qualified biologist shall immediately notify the CDFW contact below, or if unavailable another CDFW representative, and establish site- and species-specific no-work buffers to ensure the nest is not disturbed. The buffer distances shall be specified to protect the bird's normal behavior to prevent nesting failure or abandonment and comply with Fish and Game Code section 3500 et seq. and the federal MBTA. Abnormal nesting behaviors which may cause reproductive harm include, but are not limited to, defensive flights/vocalizations directed towards Project personnel, standing up from a brooding position, and flying away from the nest. The qualified biologist shall have authority to order the cessation of all nearby Project activities if the nesting birds exhibit abnormal behavior which may cause reproductive failure (nest abandonment and loss of eggs and/or young) until an appropriate buffer is established.</p> <p>The qualified biologist shall monitor the behavior of the birds (adults and young, when present) at the nest site to ensure that they are not disturbed by</p>	Prior to Ground Disturbance	District	District	

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	Project work. Nest monitoring shall continue during Project work until the young have fully fledged (have completely left the nest site and are no longer being fed by the parents), as determined by the qualified biologist, unless otherwise approved in writing by CDFW.				