

Mitigation Monitoring and Reporting Plan
for
Saddle Mountain Open Space Preserve
Management Plan
Mitigated Negative Declaration
State Clearinghouse Number 2019059008

Prepared for:

Sonoma County Agricultural Preservation and Open Space District
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Appendix A

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Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
Project Measure				
<p><i>Project Measure 1 - Planting and Revegetation after Soil Disturbance for Restoration</i></p> <p>Ag + Open Space, to the extent feasible, shall ensure plants disturbed by management actions be replaced with native plant species in accordance with the following measures:</p> <ul style="list-style-type: none"> • Implement soil protection measures, including seeding or planting promptly with appropriate native species and covering with weed-free straw mulch, and/or installing biodegradable erosion control fabric on slopes. • Use seed or container stock of local origin for plantings. Seed or propagules for revegetation shall be collected from the Preserve itself if a viable source is present. Where this is not possible, propagules shall be from within the Russian River watershed, with exceptions being made only after review by a qualified staff member or consultant. Within these geographic parameters, collections shall be made with the goal of capturing natural genetic variation (e.g., collect from a range of elevations and from plants exhibiting varied phenology). • Native plant species historically present at the site shall be used and species with high wildlife and/or pollinator values will be used where feasible and appropriate. • In limited instances, non-invasive, non-persistent grass species (e.g., sterile wheat) may be used in conjunction with native species to provide fast-establishing, temporary cover for erosion control. • Soil amendments are typically not needed for establishment of native vegetation in intact native soils. If soils have been disturbed and require additional organic matter or nutrients to support native plants, limited organic, weed-free amendments may be used to help establish restoration vegetation. Organic fertilizers 	Verify that measures are implemented to stabilize and revegetate project sites following disturbance	Ag + Open Space	Following implementation of soil-disturbing management actions	Ag + Open Space

¹ All measures should be implemented on an ongoing basis unless otherwise indicated

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
<p>may be used only above the normal high water mark of any adjacent waterways. No chemical fertilizers shall be used.</p> <ul style="list-style-type: none"> • For management actions that have removed native vegetation, post-disturbance revegetation success will be based on individual site conditions and will generally be based on the following: 1) establishment of native trees and shrubs at a ratio of 1:2 living after five years (or the ratio mandated by regulatory permits if permits are needed), 2) establishment of herbaceous cover equal to that of adjacent undisturbed ground within three years, and 3) no increase in invasive species populations (or no greater cover of invasive species than that of adjacent undisturbed ground). • If needed, a temporary irrigation system will be installed to ensure establishment of vegetation; when vegetation is sufficiently established, irrigation materials will be removed. 				
<p>Project Measure 2 - Reduction of Construction Emissions Ag + Open Space shall ensure that dust and other emissions are controlled during construction activities by implementing the following measures, as recommended by the BAAQMD (BAAQMD 2017b):</p> <ul style="list-style-type: none"> • Exposed surfaces (e.g., parking areas, staging areas, soil piles, graded areas, and unpaved access roads) will be watered two times per day during the dry season. • Haul trucks transporting soil, sand, and other loose material off-site will be covered. • Visible mud or dirt track-out onto adjacent public roads shall be removed using wet power vacuum street sweepers at least once per day. The use of dry power sweeping is prohibited. • Vehicle speeds on unpaved roads will be limited to 15 miles per hour. • Idling times will be minimized either by shutting equipment off when not in use or reducing the maximum idling time to 5 minutes (as required by the California airborne toxics control measure Title 13, Section 2485 of California Code of Regulations). Clear signage for construction workers will be provided at all access points. 	Verify that measures are implemented to reduce emissions during construction	Ag + Open Space	During management activities requiring use of construction equipment	Ag + Open Space

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
<ul style="list-style-type: none"> • Construction equipment will be maintained and properly tuned in accordance with manufacturer’s specifications. All construction equipment will be checked by a certified mechanic and determined to be running in proper condition prior to operation. • During construction activities, a publicly visible sign will be posted with Ag + Open Space and BAAQMD contact information regarding dust complaints. Ag + Open Space will respond and take corrective action within 48 hours of receiving a complaint. 				
<p><i>Project Measure 3 - Erosion Control, Sediment Detention, and Site Maintenance</i></p> <p>Ag + Open Space shall ensure erosion control, sediment detention, and site maintenance activities occur in accordance with the following measures:</p> <ul style="list-style-type: none"> • Ground disturbance will not exceed the minimum area necessary to complete the project or activity. Existing native vegetation will be preserved to the maximum extent feasible. • All disturbed areas will be protected from erosion. Measures to stabilize disturbed soils will include, but not be limited to, placement of straw wattles, jute netting, silt fencing, and native reseeded. When a project involves grading or work within or adjacent to a stream, waterway, or other sensitive aquatic habitats, a spill prevention and clean-up plan, a Stormwater Pollution Prevention Plan, or similar document, will be prepared and implemented during construction activities to protect water quality. The plan will address polluted runoff and spill prevention policies, best management practices (BMPs) that are required to be available on site in case of rain or a spill (e.g., straw bales, silt fencing), clean-up and reporting procedures, and locations of refueling and minor maintenance areas. • Debris, sediment, rubbish, vegetation, or other construction-related materials will be placed in an approved location. No materials, including petroleum products, chemicals, silt, fine soils, or substances deleterious to the function of a watercourse, water 	Verify that measures are implemented to prevent erosion, sedimentation, and other hazards during and following management activities	Ag + Open Space	During planning, implementation, and following ground disturbing management activities and prescribed fire treatments	Ag + Open Space

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
<p>quality, or biological resources will be allowed to pass into, or be placed where it can pass into, stream channels.</p> <ul style="list-style-type: none"> • If rain occurs while materials are temporarily stockpiled, the stockpiles will be covered with plastic that is secured in place to ensure the piles are protected from rain and wind. Silt fencing or wattles will be installed on contour around all stockpile locations. • Spoil materials from clearing, grubbing, grading, and channel excavation will be disposed of at a site approved by Ag + Open Space. • Fire-suppression equipment will be reviewed and approved by Ag + Open Space or contracted staff before construction begins and will be available on site at all times. • Areas that have received prescribed fire treatments will be evaluated and monitored for soil instability and erosion. Unacceptable levels of post-fire erosion, potentially as a result of greater-than-intended fire intensity, will be remediated through the implementation of control measures such as those described above. 				
<p>Project Measure 4 - Pollution Prevention Ag + Open Space shall employ BMPs for staging, maintenance, fueling, and spill containment of potentially hazardous materials used on the Preserve, including, but not limited to, the following:</p> <ul style="list-style-type: none"> • Vehicles and equipment will be inspected daily for leaks and repaired immediately if necessary. • Fueling will take place away from watercourses and sensitive areas. • Major vehicle and equipment maintenance and washing will be performed offsite. • Spill cleanup materials will be maintained onsite during all activities that require the use of vehicles, equipment, or hazardous materials. Any spill will be cleaned up immediately. • Spent fluids, such as motor oil and radiator coolant, and used vehicle or equipment batteries will be collected, stored, and recycled as hazardous waste offsite. 	Verify that measures are implemented to prevent pollution	Ag + Open Space	During implementation of management activities	Ag + Open Space

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
<p>Project Measure 5 - Prevent Spread of Sudden Oak Death Ag + Open Space shall be responsible for protecting against the spread of SOD through implementation of the following requirements:</p> <ul style="list-style-type: none"> • Before purchasing any nursery stock for restoration plantings, confirm that the nursery follows current BMPs for preventing the spread of SOD (consult the California Oak Mortality Task Force, www.suddenoakdeath.org, for current standards). All plant materials will be inspected for symptoms of SOD before bringing onto the Preserve. • Train management staff on host species, symptoms, and disease transmission pathways for <i>Phytophthora ramorum</i> and other <i>Phytophthora</i> species, and on BMPs to prevent the spread of SOD, including: <ul style="list-style-type: none"> ○ Clean equipment after working in forest and woodland habitats, including chainsaws, boots, and truck tires (spray with a 10% bleach solution or other disinfectant, then rinse). ○ Work in forest and woodlands in the dry season instead of the wet season when spores are being produced and infections are starting. Avoid or minimize pruning oak, tanoak, and bays in wet weather. ○ Leave potentially infected downed trees on site instead of transporting the material to an uninfected area. Where infection is already known to be present, leaving <i>P. ramorum</i>-infected or killed trees on site has not been shown to increase the risk of infection to adjacent trees. ○ If necessary to reduce safety or fire hazards, infected trees can be cut, branches chipped, and wood split. Avoid working in wet weather. Clean equipment after work is completed. Do not leave cut wood and chips in an area where they might be transported to an uninfected location. • Educate Preserve users about measures to prevent the spread of SOD. Provide signage at major trailheads explaining that SOD occurs on the Preserve, showing typical symptoms and explaining 	Verify that measures are implemented to prevent the spread of SOD	Ag + Open Space	Ongoing and during project planning and implementation	Ag + Open Space

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
that it can be spread by Preserve visitors, especially in wet winters, during rainy and windy weather.				
<p><i>Project Measure 6 - Agency Coordination, Approvals, and Public Notification for Prescribed Fire</i></p> <p>Ag + Open Space shall coordinate with CalFire, the BAAQMD, and the interested public during the planning and implementation of all prescribed fire projects. For each prescribed fire project, Ag + Open Space will work with qualified prescribed fire personnel to:</p> <ul style="list-style-type: none"> • Develop a site-specific burn plan that is approved by CalFire and conforms to the agency’s specifications. The burn plan will include a description of the prescribed fire project area and burn objectives, an analysis of site-specific environmental setting and any potentially affected resources, a burn prescription and predicted fire behavior, and contingency and medical plans. • Develop a smoke management plan that is approved by the BAAQMD and conforms to the agency’s specifications. The smoke management plan must include emissions estimates, wind and weather prescriptions, any necessary mitigations to reduce impacts from smoke, contingency procedures if the burn or smoke impacts exceed the original prescription, and public notification and complaint protocols. • Conduct public outreach to solicit public input and to inform neighboring landowners and the interested public about potential prescribed fire projects and possible smoke impacts. Public outreach will occur throughout the burn planning process and public notification will take place prior to implementation of burns. Neighboring landowners and all sensitive receptors that may be impacted by smoke from a prescribed fire project shall be notified prior to burning. • Develop a “Go/No Go Checklist” approved by CalFire and the BAAQMD that provides final confirmation of necessary conditions for implementing a prescribed fire project. <p>Additionally, Ag + Open Space will partner with qualified entities for the implementation of burns. All prescribed fire projects on the</p>	Verify that measures are implemented to coordinate with CalFire, BAAQMD, and the public during prescribed fire projects	Ag + Open Space	During planning and implementation of prescribed fire projects	Ag + Open Space

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
Preserve shall be implemented by CalFire or a qualified professional organization.				
<p>Project Measure 7 - Herbicide Use</p> <p>Ag + Open Space shall ensure that herbicides are used in accordance with the manufacturers' recommendations. Consistent with the Board of Directors approved resolution 2019-0975, herbicides will only be used to control invasive species and when other control measures are determined to be infeasible or less effective. Herbicides will be used only by applicators who hold a Qualified Applicator License or Certificate. Techniques such as spot application will be employed to ensure that only the minimum amount of herbicide necessary is used. Herbicides will not be used in areas where surface water bodies could be effected.</p>	Verify that measures are implemented to ensure the safe use of herbicides	Ag + Open Space	During planning and implementation of management activities requiring the use of herbicides	Ag + Open Space
<p>Project Measure 8 - General Measures to Avoid Impacts on Biological Resources</p> <p>Ag + Open Space shall ensure the following biological resources protection measures are implemented on the Preserve:</p> <ul style="list-style-type: none"> • Perform preconstruction surveys prior to significant ground disturbance within all native habitats year-round. Surveys (on the day preceding work and/or ahead of the construction crew) will be performed by a qualified biologist to ensure no special-status species or common wildlife are occupying the area. If wildlife species are observed within the work area or immediate surroundings, these areas must be avoided until the animal(s) has (have) vacated the area, and/or, upon approval by the regulatory agencies, the animal(s) must be relocated out of the area by a qualified biologist. • Conduct a training session for all construction crew personnel before any significant ground disturbance or building work, year-round. The training will be conducted by a qualified biologist and will include a discussion of the sensitive biological resources on the Preserve and the potential presence of special-status species. This must include a discussion of special-status species' habitats, protection measures to ensure species are not impacted by 	Verify that measures are implemented to avoid impacts to biological resources, including preconstruction surveys and training	Ag + Open Space	During planning and prior to implementation of management activities	Ag + Open Space

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
project activities, project boundaries, and biological conditions outlined in the project permits, as applicable.				
<p>Project Measure 9 - Prevent the Spread of Invasive Species Ag + Open Space shall prevent the spread of invasive plant species to the extent feasible. Weed control methods will include, but will not be limited to:</p> <ul style="list-style-type: none"> • Clean plant material and soil from the tires and undercarriage of vehicles and equipment (e.g., mowers) that have traveled through weed-infested areas before they leave those areas. Cleaning may be done with a hose if water is available and/or with a scrub brush or stiff broom. • Train staff and Preserve volunteers to recognize invasive species and report new infestations promptly. 	Verify that measures are implemented to prevent the spread of invasive plants	Ag + Open Space	During planning and implementation of management activities	Ag + Open Space
<p>Project Measure 10 - Ensure Adequate Emergency Access Ag + Open Space shall ensure that adequate access to the Preserve for emergency vehicles is maintained at all work sites, during all management activities including construction and prescribed burning.</p>	Verify that emergency access to the Preserve is maintained	Ag + Open Space	During implementation of management activities	Ag + Open Space
Mitigation Measures				
<p>Mitigation Measure BIO-1, Avoid Loss of Special-status Plants and their Habitats Ag + Open Space shall ensure that the following protection measures for special-status plants and their habitat are implemented during management activities. Where avoidance of individuals or habitat is infeasible, Ag + Open Space shall compensate for loss as required by CDFW and USFWS:</p> <ul style="list-style-type: none"> • Ag + Open Space shall conduct a botanical survey to ensure that no special-status plants are present in the area of potential ground disturbance prior to initiation of work. If special-status plants or their habitat are not identified during initial site surveys, no further mitigation for impacts on target species is necessary under this measure. Surveys shall be conducted at the appropriate time for plant identification, and shall be conducted by a botanist experienced with Sonoma County sensitive species. 	<p>Verify surveys for special-status plant habitat and special-status plants are conducted by a qualified biologist and that such species and their habitat are protected during implementation</p> <p>Verify herbicides are used correctly and avoid adverse impacts to native plants</p>	Ag + Open Space	<p>Plant and habitat protection – prior to and during ground-disturbing or vegetation management activities</p> <p>Herbicide use – ongoing</p>	<p>Ag + Open Space</p> <p>California Department of Fish and Wildlife</p> <p>US Fish and Wildlife Service</p>

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
<ul style="list-style-type: none"> • Ensure that special-status plants and their habitat are not damaged during road erosion control and drainage improvement activities. Napa false indigo is most likely to occur in these locations. Train crews to recognize this species prior to ground-disturbing activities, and have a trained supervisor oversee all work in areas where this plant occurs. • Ensure that special-status plants and their habitat are not damaged by invasive species control efforts. Invasive species control is planned in or near locations supporting Lobb’s aquatic buttercup, Napa false indigo, and Clara Hunt’s milk vetch. Ensure that control efforts do not damage these plants, their seedbank, or habitat conditions. Prior to invasive control work, determine whether any known special-status occurrences are present within 100 feet. If so, a natural resource specialist or botanist shall plan and supervise the work. • Ensure that special-status plants and their habitat are not damaged by fuels reduction, prescribed fire, or other vegetation thinning efforts. Fuels reduction is proposed along the Erland-Cleland Tie Road, along which Napa false indigo occurs. Prior to work, determine whether any known special-status plant occurrences are present within 100 feet. If so, a natural resource specialist or botanist shall plan and supervise the work (in conjunction with other specialists as needed). • Ensure that Clara Hunt’s milk vetch populations are protected from impacts associated with Preserve access. Ag + Open Space shall install sensitive area flagging around the known population area to route Ag + Open Space staff, Preserve patrollers, and visitors around known population areas. The flagged areas may vary slightly from year to year based on the location of individual plants. Ag + Open Space shall educate Preserve patrollers and other visitors about the importance of avoiding impacts on individual plants in the flagged areas. Ag + Open Space shall continue to monitor the number of individuals annually. 				

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
<ul style="list-style-type: none"> Any herbicide application to treat non-native plants must ensure that no special-status plants are affected. 				
<p><i>Mitigation Measure BIO-2, Protect Special-status Plants during Prescribed Burning</i></p> <p>Ag + Open Space shall ensure that the following protection measures for special-status plants are implemented prior to and during prescribed fire activities:</p> <ul style="list-style-type: none"> Prior to conducting prescribed fire activities in habitat that supports special-status plant species, a qualified botanist or biologist shall survey the proposed burn area and identify any special-status plants or critical plant habitat that is present. If special-status species are present in the burn area, a botanist or qualified natural resource specialist shall work with professional fire personnel to plan and supervise the burn to protect special-status plants. Depending on the specific species' characteristics and response to fire, a botanist shall determine if the special-status plant(s) may be negatively impacted by prescribed fire activities. If prescribed fire is determined to have a potentially negative impact on the special-status plant species, measures shall be implemented to protect the plant(s) including, but not limited to, the following: <ul style="list-style-type: none"> The location of special-status plant(s) will be flagged or otherwise marked An appropriate buffer will be established with environmentally sensitive area (ESA) fencing or other means to identify the sensitive area Locations of special-status plants or habitat that should not be included in the prescribed fire shall be clearly marked on burn plans and in the burn unit Control lines or firebreaks shall be established at a sufficient distance to exclude fire from the area containing special-status plant species and their habitat Sensitive locations containing special-status plant species shall be monitored during prescribed fire activities to 	<p>Verify that surveys for special-status plant habitat and special-status plants are conducted by a qualified biologist and project specific protection measures are implemented</p> <p>Verify herbicides are used correctly and avoid adverse impacts to native plants</p>	Ag + Open Space	<p>Plant and habitat protection – prior to and during ground-disturbing or vegetation management activities</p> <p>Herbicide use – ongoing</p>	<p>Ag + Open Space</p> <p>California Department of Fish and Wildlife</p> <p>US Fish and Wildlife Service</p>

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
ensure that fire is excluded from the area and to implement remedial actions, such as fire suppression, as needed.				
<p>Mitigation Measure BIO-3, Protect Fish and Aquatic Wildlife Species Ag + Open Space shall ensure that the following measures for aquatic species protection are implemented for ground-disturbing management activities near creeks and wetlands:</p> <ul style="list-style-type: none"> • A preconstruction survey for foothill yellow-legged frog shall occur prior to beginning work in any wetted stream channel (e.g., wet crossing treatments, culvert replacement), and work shall only occur in areas that have been surveyed by a qualified biologist. Frogs surveys would be restricted to the stream channels. Frogs shall be relocated outside of the work area by a qualified biologist, which may require consultation with CDFW and USFWS. Ongoing monitoring during construction shall occur to ensure frogs have not moved back into the area, and they are not being impacted by activities. • A preconstruction survey for steelhead and other native fish shall occur prior to beginning work in any perennial stream channel (i.e., wet crossing treatments, culvert replacement), and work shall only occur in areas that have been surveyed by a qualified biologist. Dewatering activities may be needed if fish are present during construction. Ongoing monitoring during implementation of restoration activities shall occur to ensure fish are not being impacted. • If water is present during construction of the any project, fish and other vertebrate aquatic species shall be relocated up- and/or downstream prior to construction, species shall be excluded from the work area, and the stream shall be dewatered. A comprehensive aquatic species relocation and dewatering plan shall be developed in consultation with CDFW, USFWS, and NOAA Fisheries during acquisition of ecological permits. • A preconstruction survey for adult northwestern pond turtles and nest sites shall occur prior to beginning work for all projects within or near streams and other permanent water bodies. Any adults 	Verify that preconstruction surveys for fish and aquatic wildlife are implemented and protection measures for such species are implemented for ground-disturbing management activities near creeks and wetlands	Ag + Open Space	Prior to and during ground-disturbing activities near creeks and wetlands	Ag + Open Space California Department of Fish and Wildlife US Fish and Wildlife Service NOAA Fisheries

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
found within the work area shall be relocated to suitable off-site habitat. Nest sites discovered during the preconstruction survey or anytime during construction shall be avoided until vacated, as determined by a qualified biologist. Ongoing monitoring shall occur during construction to ensure no turtles have moved back into the area.				
<p>Mitigation Measure BIO-4, Protect Nesting Birds</p> <p>Ag + Open Space shall ensure that the following protection measures for birds are implemented for ground-disturbing and/or vegetation management activities:</p> <ul style="list-style-type: none"> • Work shall occur outside of the critical breeding bird period (February 15 through August 31) for construction projects and during ongoing land management (e.g., vegetation trimming and removal, shaded fuel break development, etc.). If activities must occur during this period, work areas shall be surveyed by a qualified biologist prior to commencing. Surveys shall be required for all human-related ground disturbance activities in natural habitats and for vegetation trimming and removal. The surveys shall be conducted within one week prior to initiation of vegetation clearing, tree removal and trimming, shaded fuel break development, and other vegetation activities. If the biologist finds no active nesting or breeding activity, work can proceed without restrictions. If active raptor or owl nests are identified within 100 feet of the construction area or active nests of other special-status birds (e.g., passerines, woodpeckers, hummingbirds, etc.) are identified within 50 feet of the construction area, a biologist shall determine whether or not construction activities may impact the active nest or disrupt reproductive behavior. If it is determined that construction would not affect an active nest or disrupt breeding behavior, construction can proceed without restrictions. The determination of disruption shall be based on the species' sensitivity to disturbance, which can vary among species; the level of noise or construction disturbance; and the line of sight between the nest and the disturbance. If the biologist determines activities 	Verify that a qualified biologist conducts preconstruction breeding bird surveys and that protection measures are implemented for work that occurs within the nesting season	Ag + Open Space	Immediately prior to and during ground-disturbing activities, construction, and implementation	<p>Ag + Open Space</p> <p>California Department of Fish and Wildlife</p> <p>US Fish and Wildlife Service</p>

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
<p>would be detrimental, the nesting area and 250-foot buffer for larger nesting birds (e.g., owls, raptors, herons, egrets) and 50-foot buffer for small nesting songbirds shall be avoided until the nest has been vacated.</p> <ul style="list-style-type: none"> If the work area is left unattended for more than one week following the initial surveys, additional surveys shall be completed. Ongoing construction monitoring shall occur to ensure no nesting activity is disturbed. If State and/or federally listed birds are found breeding within the area, activities shall be halted and consultation with the CDFW and USFWS shall occur. 				

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
<p>Mitigation Measure BIO-5, Protect Northern Spotted Owl Ag + Open Space shall ensure that the following protection measures for northern spotted owls are implemented for habitat disturbing management activities:</p> <ul style="list-style-type: none"> • Assume presence of northern spotted owl in Douglas fir, redwood, and mixed woodland habitats on the Preserve. • Breeding northern spotted owls shall be protected in accordance with the measures outlined in Mitigation Measure BIO-4, Protect Nesting Birds, above. Protection shall include focused breeding owl surveys for projects occurring from March 1 through August 31 in areas of suitable forested and woodland habitat and within 1 mile of a documented owl occurrence. • If spotted owls are determined to be present during the breeding season within 0.5 miles of the work area, no work shall occur between March 1 and August 31 or until nesting completion has been verified by a qualified biologist. • If the absence of northern spotted owl cannot be verified, the species shall be assumed to be present and either: 1) the work shall be performed after August 31 or 2) sound reduction measures shall be implemented in consultation with a qualified biologist, CDFW, and USFWS to ensure activities do not significantly raise noise above ambient levels. • No trees or understory vegetation shall be removed within 500 feet of a documented active breeding location for northern spotted owl (either through previously confirmed sightings or project-specific verification by the project biologist). • For projects proposed during the non-breeding season in suitable habitat, construction activities shall be overseen by a qualified biologist to ensure roosting and foraging birds are not being impacted. 	<p>Verify that a qualified biologist conducts preconstruction breeding owl surveys for projects implemented from March 1 through August 31 in suitable habitat and that protection measures are implemented</p> <p>Verify that a qualified biologist oversees construction activities during the non-breeding season in suitable habitat for northern spotted owls</p>	Ag + Open Space	Prior to and during implementation of management activities during the breeding bird season or in northern spotted owl habitat	Ag + Open Space California Department of Fish and Wildlife US Fish and Wildlife Service
<p>Mitigation Measure BIO-6, Protect Special-status Bats Ag + Open Space shall ensure that the following protection measures for bats are implemented during management activities on the Preserve:</p>	<p>Verify that a qualified biologist conducts preconstruction bat surveys for</p>	Ag + Open Space	Immediately prior to and during implementation	Ag + Open Space

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
<ul style="list-style-type: none"> • Complete presence/negative finding bat surveys prior to removal or significant trimming of any trees which are over 6 inches in diameter at breast height. Surveys shall be completed by a qualified biologist. Because each individual bat species may use different roosts seasonally and from night to day, surveys must be conducted by a qualified biologist at the appropriate times. If trees planned for trimming or removal are identified as active roost sites, appropriate and specific avoidance measures shall be developed. Avoidance measures may include, but would not be limited to, seasonal limitations on work when roosts are unoccupied and/or establishment of buffer areas around occupied roosts. • For all trees previously identified as active roost sites and subject to trimming or removal, trees shall be taken down in a two-step process – limb removal on day one shall be followed by bole removal on day two. This approach would allow bats, if they are present, an opportunity to move out of the area prior to completing removal of the trees. No trees supporting special-status bats shall be removed without prior consultation with CDFW. • If work is postponed or interrupted for more than two weeks from the date of the initial bat survey, the preconstruction survey shall be repeated. • Construction shall be limited to daylight hours to avoid interference with the foraging abilities of bats. 	<p>management activities that involve trimming and/or removal of trees over 6 inches in diameter</p> <p>Verify that construction is limited to daylight hours</p>		of management activities	<p>California Department of Fish and Wildlife</p> <p>US Fish and Wildlife Service</p>
<p><i>Mitigation Measure BIO-7, Protect Wetlands and Waters</i></p> <p>Ag + Open Space shall conduct a wetlands survey for areas that would be permanently or temporarily disturbed to confirm the location, extent, and regulatory status of wetland and water features within the management activity area. Project impacts on wetlands and waters shall be avoided where feasible. If jurisdictional wetlands cannot be avoided, the project may require a Clean Water Act (CWA) Section 404 permit from the U.S. Army Corps of Engineers and a Section 401 permit</p>	<p>Verify that a wetland survey is prior to management activities that have the potential to disturb wetlands or water resources.</p> <p>Verify that impacts to wetlands and waters are</p>	Ag + Open Space	Prior to and during project implementation in suitable habitat	<p>Ag + Open Space</p> <p>North Coast Regional Water Quality Control Board</p>

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
<p>from the Regional Water Quality Control Board. All permit requirements shall be implemented.</p> <p>In addition, compensation for impacts on wetlands and waters shall follow the requirements in the CWA Section 404/401 permits. Compensatory mitigation may consist of the following:</p> <ul style="list-style-type: none"> • Providing compensatory mitigation through aquatic resource restoration, establishment, enhancement, and/or preservation. • Obtaining credits from a mitigation bank. 	<p>avoided or compensated for.</p>			<p>US Fish and Wildlife Service CDFW</p> <p>U.S. Army Corps of Engineers</p>
<p><i>Mitigation Measure CUL-1, Identify and Avoid or Minimize Impacts on Historic Resources</i></p> <p>Prior to ground-disturbing activities within 100 feet of a documented historic resource, Ag + Open Space shall examine the site to determine if the resource is within or outside the area of disturbance. If the historic resource is outside the area of disturbance or can be avoided, temporary fencing shall be placed around the historic resource and the project shall be designed and constructed to avoid impairment of the historic resource.</p> <p>If the historic resource is determined to be within the area of disturbance and cannot be avoided, <i>The Secretary of the Interior's Standards for the Treatment of Historic Properties</i> shall be followed. A qualified historic preservation professional shall be retained to develop a treatment plan. Such professionals may include architects, architectural historians, historians, historic engineers, archaeologists, and others who have experience in working with historic structures. Mitigation measures recommended by the qualified historic preservation professional shall be implemented. These measures could include, but not necessarily be limited to:</p> <ul style="list-style-type: none"> • Avoidance of significant historic resources; • Graphic documentation (photographs, drawings, etc.); and/or • Restoration, stabilization, repair, and reconstruction. 	<p>Verify that historic resources are avoided to the extent feasible and protected during management activities</p>	<p>Ag + Open Space</p>	<p>During design and planning of management activities, prior to and during construction and ground-disturbance</p>	<p>Ag + Open Space</p> <p>State Historic Preservation Officer</p>

Appendix A

Mitigation Measure	Monitoring or Reporting Action	Monitoring or Reporting Entity	Timing ¹	Enforcement Entity
<p>If subsurface historic materials are encountered during project activities, the piece of equipment or crew member that encountered the materials shall stop and the find shall be inspected by a qualified historian/archaeologist. Project personnel shall not collect historic materials. If the historian/archaeologist determines that the find qualifies as a unique historic resource for the purposes of CEQA (Guidelines Section 15064.5(c)), all work shall be stopped in the immediate vicinity to allow the archaeologist to evaluate the find and recommend appropriate treatment. Such treatment and resolution shall include either modifying the project to allow the materials to be left in place or undertaking data recovery of the materials in accordance with standard archaeological methods. The preferred treatment is protection and preservation.</p>				
<p><i>Mitigation Measure CUL-2, Avoid Impacts on Previously Undiscovered Historic Resources</i> Ag + Open Space shall ensure that if previously unknown historic resources are encountered during construction, the piece of equipment or crew member that encountered the materials shall stop and the find shall be inspected by a qualified archaeologist. Project personnel shall not collect historic materials. If the archaeologist determines that the find potentially qualifies as a unique historic resource for the purposes of CEQA (Guidelines Section 15064.5(c)), all work shall be stopped in the immediate vicinity to allow the archaeologist to evaluate the find and recommend appropriate treatment. Such treatment and resolution shall include either project modification to allow the materials to be left in place or undertaking data recovery of the materials in accordance with standard archaeological methods. The preferred treatment is protection and preservation</p>	<p>Verify that protection measures are implemented if a historic resource is encountered during management activities</p>	<p>Ag + Open Space</p>	<p>During implementation of management activities</p>	<p>Ag + Open Space State Historic Preservation Officer</p>
<p><i>Mitigation Measure CUL-3, Minimize Impacts of Prescribed Fire on Cultural Resources</i> Ag + Open Space shall, prior to the implementation of prescribed fire activities, ensure that a qualified archaeologist surveys the proposed burn unit to identify any historic and archaeological resources present.</p>	<p>Verify that measures are implemented to protect cultural resources during prescribed fire activities</p>	<p>Ag + Open Space</p>	<p>During planning and implementation of prescribed fire activities</p>	<p>Ag + Open Space</p>

Appendix A

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<p>A qualified archaeologist shall mark locations, and all fire and staging activities shall be excluded in marked areas. Prior to conducting a prescribed burn, wildland fire officials shall receive training on the location of cultural resources and measures necessary to protect them. Upon completion of burning activities, markings designating the location of cultural resources shall be removed.</p>				State Historic Preservation Officer
<p><i>Mitigation Measure CUL-4, Identify and Avoid or Minimize Impacts on Archaeological Resources</i></p> <p>Ag + Open Space shall avoid known archaeological resources where feasible and follow the treatment recommendations presented in the cultural resources reports for the Preserve (Tom Origer & Associates 2008, 2018). All projects shall be designed, constructed, and operated to avoid damage to the resource as guided by the cultural resources treatment measures. Measures may include, but are not limited to, temporary protective barriers, construction worker training, or relocation of the project itself.</p> <p>If avoidance of the location of a known archaeological resource is not feasible, a qualified archaeologist shall be retained to perform an evaluation of the resource and to determine its significance. The resource would be subject to archaeological research and testing in order to adequately document the site and its scientific data. Mitigation measures recommended by the qualified archaeologist shall be implemented and may include graphic documentation, avoidance of the resource, or accession of materials.</p> <p>If previously unknown archaeological materials are encountered during construction, the piece of equipment or crew member that encountered the materials shall stop, and the find shall be inspected by a qualified archaeologist. Project personnel shall not collect archaeological materials. If the archaeologist determines that the find potentially qualifies as a unique archaeological resource for the purposes of CEQA (Guidelines Section 15064.5(c)), all work shall be stopped in the immediate vicinity to allow the archaeologist to</p>	<p>Verify that protection measures are implemented to avoid or minimize impacts on archaeological resources</p>	Ag + Open Space	<p>During planning and implementation of management activities</p>	<p>Ag + Open Space</p> <p>SHPO</p>

Appendix A

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<p>evaluate the find and recommend appropriate treatment. Such treatment and resolution shall include either project modification to allow the materials to be left in place or undertaking data recovery of the materials in accordance with standard archaeological methods. The preferred treatment is protection and preservation.</p>				
<p><i>Mitigation Measure CUL-5, Procedures for Encountering Human Remains</i> Ag + Open Space shall implement the following actions should human remains be encountered during project activities:</p> <p>The treatment of any human remains and associated or unassociated funerary objects discovered during soil-disturbing activities shall comply with applicable State laws. If human graves are encountered, Ag + Open Space shall ensure that all work stops in the vicinity and the Sonoma County Coroner is notified. A qualified archaeologist shall evaluate the remains. If human remains are of Native American origin, the Coroner shall notify NAHC within 24 hours of identification, pursuant to PRC §5097.98. NAHC would appoint a Most Likely Descendant. A qualified archaeologist, Ag + Open Space, and the Most Likely Descendant shall make all reasonable efforts to develop an agreement for the treatment, with appropriate dignity, of any human remains and associated or unassociated funerary objects (CEQA Guidelines §15064.5[d]). The agreement would take into consideration the appropriate excavation, removal, recordation, analysis, custodianship, and final disposition of the human remains and associated or unassociated funerary objects. The PRC allows 48 hours to reach agreement on these matters. If the Most Likely Descendant and the other parties cannot not agree on the reburial method, Ag + Open Space shall follow PRC §5097.98(b), which states that “the landowner or his or her authorized representative shall reinter the human remains and items associated with Native American burials with appropriate dignity on the property in a location not subject to further subsurface disturbance.”</p>	<p>Verify that proper procedures are followed when human remains are inadvertently discovered during project activities: Report discovery of burial, human bone, or suspected human bone to the Sonoma County Coroner; monitor protection of the area until the find is identified; and have an archaeologist monitor compliance with PRC Section 5097</p>	<p>Ag + Open Space Native American Tribes</p>	<p>During construction and implementation</p>	<p>Ag + Open Space NAHC</p>

Appendix A

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<p>Mitigation Measure GEO-1, Avoid or Document Paleontological Resources</p> <p>If a paleontological resource is discovered during construction, Ag + Open Space shall halt all ground-disturbing activities within 50 feet of the find. Ag + Open Space shall notify a qualified paleontologist who would document the discovery, evaluate the potential resource, and assess the nature and significance of the find. Based on scientific value or uniqueness, the paleontologist may record the find and allow work to continue or recommend salvage and recovery of the material. The paleontologist shall make recommendations for any necessary treatment that is consistent with currently accepted scientific practices.</p>	Verify that protection measures are implemented in the event that a paleontological resource is encountered during construction or ground disturbance	Ag + Open Space	During implementation of ground-disturbing management activities	Ag + Open Space State Historic Preservation Officer
<p>Mitigation Measure HAZ-1, Reduce Wildland Fire Hazards during Construction</p> <p>Prior to construction activities, Ag + Open Space shall remove and clear away dry, combustible vegetation from the construction site with specific focus on the staging areas for heavy equipment. Grass and other vegetation less than 18 inches in height shall be maintained where necessary to stabilize the soil and prevent erosion. Vehicles shall not be parked in areas where exhaust systems can contact combustible materials. Fire extinguishers and fire suppression tools shall be available on the site when conducting construction activities.</p>	Verify that protection measures are implemented to reduce fire risks during construction activities	Ag + Open Space	During implementation of management activities involving use of construction equipment	Ag + Open Space
<p>Mitigation Measure NOI-1, Reduce Noise</p> <p>Ag + Open Space shall ensure that noise reduction actions are implemented for all activities that use construction equipment within 200 feet of the Preserve boundary. Noise reduction measures may include the following:</p> <ul style="list-style-type: none"> • Equip internal combustion engine-driven equipment with intake and exhaust mufflers that are in good condition and are appropriate for the equipment. • Locate stationary noise-generating equipment as far as possible from sensitive receptors in the vicinity. • Utilize "quiet" air compressors and other stationary noise sources where technology exists. 	Verify that measures are implemented to reduce noise impacts during management activities within 200 feet of the Preserve boundary	Ag + Open Space	During management activities within 200 feet of the Preserve boundary	Ag + Open Space Sonoma County

Appendix A

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<ul style="list-style-type: none"> • Provide signs at the Preserve entrance to inform users of the noise-producing activities, the location of the activities, and the duration. • Inform residences in the areas near noise-generating actions to inform residents of the noise-producing activities, location of the activities, and the duration. • Designate a “disturbance coordinator” responsible for responding to complaints about construction noise and taking reasonable measures to correct the problem. Conspicuously post a telephone number for the disturbance coordinator near management activities. 				
<p><i>Mitigation Measure TCR-1, Consult with Native American Tribes if Previously Undiscovered Artifacts are Discovered</i></p> <p>In the event that any Native American archaeological remains are discovered during implementation of management activities, Ag + Open Space shall contact and consult with local tribes who have a traditional and cultural affiliation with the Project area including Cloverdale Rancheria of Pomo Indians, Dry Creek Rancheria of Pomo Indians, Lytton Rancheria of California, and Mishewal-Wappo Tribe of Alexander Valley. If the tribe(s) considers the resource to be a tribal resource, the City shall consult with the tribe to develop appropriate mitigation measures in accordance with Public Resources Code 21080.3.2.</p>	Verify that Tribal consultation occurs and protection measures are implemented if previously undiscovered Tribal resources are encountered during management activities	Ag + Open Space Native American Tribes	During implementation of management activities	Ag + Open Space State Historic Preservation Officer
<p><i>Mitigation Measure TCR-2, Identify and Avoid or Minimize Impacts on Tribal Cultural Resources</i></p> <p>Ag + Open Space shall consult annually with representatives from interested tribes to relay information about the upcoming management activities and to allow for the tribes to provide information about the specific area. If the review identifies that a project may cause substantial adverse change to a tribal cultural resource, Ag + Open Space shall avoid or minimize adverse impacts in one of the following ways:</p>	Verify that protection measures are implemented to avoid or minimize impacts to tribal cultural resources Verify that annual consultation with tribal representatives occurs	Ag + Open Space Native American Tribes	Protection: during planning and implementation of management activities Consultation: once per year	Ag + Open Space State Historic Preservation Officer

Appendix A

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1) Avoidance and preservation of the resources in place, including, but not limited to, planning and construction to avoid the resources and protect the cultural and natural context. 2) Treatment of the resource with culturally appropriate dignity taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following: <ul style="list-style-type: none"> a. Protecting the cultural character and integrity of the resource b. Protecting the traditional use of the resource c. Protecting the confidentiality of the resource 				