

**Dune Rehabilitation  
MacKerricher State Park  
Conditions and Mitigation Monitoring and Reporting Plan  
December 2012**

This form must be completed and returned to the Project Environmental Coordinator upon project completion along with DPR form 510: "CEQA Project Completion Verification"

Condition/Mitigation Measure	Timing	Responsible for Implementing Mitigations and Conditions	Responsible for Insuring Implementation	Required for Task to be Complete	Date Completed	Status / Comments
<b>BIOLOGICAL RESOURCES</b>						
<b>Biological Mitigations</b>						
For all special status plant species: 1) all plants occurring within the project area that can be avoided will be flagged prior to project implementation, and 2) all areas within 50 ft (15 m) of the road will be searched for weeds, specifically iceplant, and will be removed for a 5 year period.	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			
No later than August 31, 2017, at least 4 times the number of pink sand-verbena ( <i>Abronia umbellata</i> ssp. <i>breviflora</i> ) plants lost or damaged as a result of Project implementation will be introduced through direct seeding and established in suitable habitat in the Preserve.	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			
Cover of non-native plants within 10 meters of pink sand-verbena plants or patches (as specified above in Location/Area) shall be maintained at less than 1% absolute cover. By August 31, 2014, biannually thereafter.	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			
The habitat area of <i>Chorizanthe howellii</i> (Howell's spineflower) defined by a density of least 1 plant per square meter, shall be maintained at no less than 50% of the mean habitat areas mapped in years 2001, 2011, and 2012, as of June 30, 2014.	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			
By June 30, 2017, Howell's spineflower will be established in novel habitat (defined as a mean density of at least 1 plant/m <sup>2</sup> in areas not occupied in 2012) covering an area at least 4 times the amount of habitat lost as a direct result of Project-related impacts (estimated at 1.0 acres, as mapped in 2011).	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			
As of June 30, 2017, existing Howell's spineflower habitat (defined as a mean density of at least 1 plant/ m <sup>2</sup> ) shall be extended, Preservewide, to incorporate adjacent, new habitat into an area totaling at least twice the habitat area projected to sustain direct Project impacts during its implementation (estimated at 1.0 acres, as mapped in 2011).	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			
No later than June 30, 2017, the mean density of Howell's spineflower plants, measured on plots that collectively incorporate at least 2.5 acres of established spineflower habitat, shall be at least twice the density estimated on those plots immediately prior to the start of the management action.	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			

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As of June 30, 2014, the occupied habitat area of Menzies' wallflower ( <i>Erysimum menziesii</i> ) within the road removal corridor shall be maintained at 100% of the occupied area as mapped in 2011.	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			
By June 30, 2017, Menzies's wallflower will be established in novel habitat (defined as a mean density of at least 1 plant/m2 in areas not occupied in 2012) to cover an area at least 2 times the area of wallflower habitat affected as a result of Project related activities (estimated at 0.23 acres, as mapped in 2011).	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			
No later than June 30, 2017, existing habitat for Menzies's wallflower (defined as a mean density of at least 1 plant/ m2) shall be extended into adjacent, currently unoccupied habitat that will cover an area at least 4 times the wallflower habitat area expected to sustain Project-related impacts (estimated at 0.23 acres, as mapped in 2011).	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			
No later than June 30, 2017, the mean density of Menzies's wallflower plants, measured on plots that collectively incorporate at least 0.5 acres of established wallflower habitat, shall be at least twice the density estimated on those plots immediately prior to the start of the management action.	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			
No later than August 31, 2017, at least 4 times the number of Wolf's evening-primrose ( <i>Oenothera wolfii</i> ) plants lost or damaged as a result of Project activities will be introduced through direct seeding and established within suitable habitat in the Preserve.	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			
Cover of non-native plants within 10 meters of Wolf's evening-primrose plants or patches (as specified above in Location/Area) shall be maintained at less than 1% absolute cover.	Prior to, during, and post project implementation	DPR Environmental Scientist	DPR Sr. Environmental Scientist			
<b>Biological Conditions</b>						
A CSP-approved biological monitor will conduct a visual survey of project areas immediately before ground-disturbing project activities are to begin, relocating any globose dune beetle or Ten Mile shoulderband snail found into adjacent, suitable habitat.	Prior to and during project implementation	DPR Environmental Staff	DPR Environmental Scientist			
Sand storage areas will be visually surveyed for globose dune beetle and Ten Mile shoulderband snail by a CSP-approved biological monitor before sand is placed in the area. Any individuals found will be relocated into adjacent, suitable, undisturbed habitat areas.	Prior to and during project implementation	DPR Environmental Staff	DPR Environmental Scientist			

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Project personnel will be instructed by a CSP-approved biological monitor regarding the identification and life history of Ten Mile shoulderband snail, and instruction on the appropriate protocol to follow in the event that an individual resembling this species is found in the areas where project work is being conducted.	Prior to and during project implementation	DPR Environmental Staff, Contractor	DPR Environmental Scientist			
Project personnel will be instructed by a CSP-approved biological monitor regarding the life history and habitat requirements of amphibians and reptiles, and instruction in the appropriate protocol to follow in the event that an amphibian or reptile is found on site.	Prior to and during project implementation	DPR Environmental Staff, Contractor	DPR Environmental Scientist			
A CSP-approved biological monitor will be on site during all activities to ensure there are no impacts to amphibians or reptiles. Immediately prior to the start of work each morning a CSP-approved biological monitor will conduct a visual inspection of the project zone where activities will take place. If reptiles or amphibians are found, start of work at that project location will be delayed until the individuals are captured and relocated upstream or into suitable protected habitat by CSP-approved personnel.	Prior to and during project implementation	DPR Environmental Staff	DPR Environmental Scientist			
Streams and riparian zones will not be used as equipment staging or refueling areas. Equipment will be stored, serviced, and fueled away from streams and riparian areas. Heavy equipment will be cleaned (e.g., power washed, steamed) off-site prior to being used below the ordinary high water mark.	During project implementation	Contractor	DPR Environmental Scientist			
At Fen Creek and Inglenook Creek, stream flow will be diverted following specifications detailed in the Water Diversion Plan submitted with the Streambed Alteration Agreement for the project. Where flow is sufficient to be intercepted, a small diversion dam will be built upstream and stream flow piped around the worksite and discharged into the stream below the worksite. If the stream is flowing at a slow rate and cannot be captured and diverted, filter structures will be installed downstream to filter turbid discharge from the work site.	During project implementation	Contractor	DPR Environmental Scientist			
Erosion control measures will include slash packing and willow sprigging with native vegetation where appropriate for road crossings and culvert removal areas at Fen Creek and Inglenook Creek.	During project implementation	Contractor and DPR Environmental Staff	DPR Environmental Scientist			
Under the direction of USFWS-permitted personnel, qualified staff will conduct pre-project surveys for Tidewater goby presence in Fen Creek and Inglenook Creek, at and downstream from the project area, within 30 days prior to project activity. The USFWS Recovery Plan for tidewater goby identifies July 1 to October 31 as the season of highest abundance for the species in general.	Prior to and during project implementation	DPR Environmental Staff	DPR Environmental Scientist			

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As a precaution, avoidance measures recommended by the USFWS will be implemented to prevent potential impacts to tidewater goby and habitat. In the event that tidewater goby is detected in either Fen Creek or Inglenook Creek, Technical Assistance will be requested from USFWS.	Prior to and during project implementation	DPR Environmental Staff	DPR Environmental Scientist			
Additional project requirements will be incorporated with permit conditions in compliance with California Endangered Species Act (CESA), California Fish and Game Code §3503, 3503.5 and 3511, as well as the United States Endangered Species Act of 1973 and Migratory Bird Treaty Act of 1918 unless exceptions are authorized through permitting and/or technical assistance from the DFG, USFWS, or other appropriate authority.	Prior to, during, and post project implementation	DPR Environmental Staff	DPR Environmental Scientist			
Prior to project activities a CSP-approved biological monitor will survey project areas and surrounding suitable habitats for nesting birds. If breeding is discovered, avoidance measures as detailed below will be implemented to minimize disturbance.	Prior to and during project implementation	DPR Environmental Staff	DPR Environmental Scientist			
All crews working on the project shall be required to follow all State Park regulations. Regulations pertaining to protection of shorebirds, including those prohibiting dogs in the Natural Preserve, shall be strictly enforced. All trash that could potential encourage ravens shall be removed from the site at the end of each work day.	During project implementation	DPR Environmental Staff, Contractor	DPR Environmental Scientist			
Any aerial photography conducted in conjunction with the project shall be at an altitude that will not flush shorebirds.	Prior to, during, and post project implementation	Contractor	DPR Environmental Scientist			
If possible, noise-generating project activities will not occur during the raptor and migratory bird breeding season (February 1 – September 15).	During project implementation	Contractor	DPR Environmental Scientist			
If project-related activities must be scheduled during the breeding season, then focused surveys for nesting migratory bird and raptor species will be conducted by a CSP-approved biologist before project activities occur in these months to identify active nests.	During project implementation	DPR Environmental Staff	DPR Environmental Scientist			
Surveys for active raptor nests will be conducted within a 500-foot (152 m) radius of the project area 10 days prior to the beginning of project work at each site. If nesting raptors are found, no project activities will occur within a 500-foot (152 m) radius of the nest until the young have fledged and the young will no longer be impacted by project activities (as determined by a CSP-approved biologist) and there is no evidence of a second attempt at nesting.	Prior to and during project implementation	DPR Environmental Staff	DPR Environmental Scientist			

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Surveys for active migratory bird nests will be conducted within a 100-foot (30.5 m) radius of the project area 10 days prior to the beginning of project work at each work site. If active nests are located, then no project activities will occur within a 100-foot (30.5 m) radius of the nest location until the young have fledged and the young will no longer be impacted by project activities (as determined by a CSP-approved biologist).	Prior to and during project implementation	DPR Environmental Staff	DPR Environmental Scientist			
Surveys for burrowing owls and active owl burrows will be conducted within a 164 ft. (50 m) radius of the project area prior to the beginning of project activities	Prior to project implementation	DPR Environmental Staff	DPR Environmental Scientist			
No disturbance will occur within 164 ft. (50 m) of occupied burrowing owl burrows during the nonbreeding season of September 1 through January 31	During project implementation	DPR Environmental Staff and Contractor	DPR Environmental Scientist			
For the western snowy plover, when practicable, project activities will occur during the non-breeding season, from September 15 - March 15.	During project implementation	DPR Environmental Staff and Contractor	DPR Environmental Scientist			
Each day, prior to the start of project work, all areas within 1000 feet (300 meters) of project activities will be surveyed for the presence of snowy plovers. The first survey will be conducted the day before the start of the project. Surveys will follow the general survey methods described in the Mendocino District's Recovery Permit.	Prior to and during project implementation	DPR Environmental Staff	DPR Environmental Scientist			
If plovers are not seen in the survey area, the project facilitators will be given direction to proceed, with the condition that a plover surveyor be present to monitor the project while it is ongoing.	During project implementation	DPR Environmental Staff and Contractor	DPR Environmental Scientist			
If plovers are seen within 660 feet (200 meters) of the project area, activities in that area will be cancelled until the next day, and another survey will be conducted.	During project implementation	DPR Environmental Staff and Contractor	DPR Environmental Scientist			
If birds are seen on the second survey, but no nest is found, the project will proceed with a plover surveyor in attendance for monitoring. Plover surveyors will be responsible for directing project facilitators to stop or modify activities if plovers exhibit disturbance behavior that is related to the project activity.	During project implementation	DPR Environmental Staff and Contractor	DPR Environmental Scientist			
If at any time a nest is located within 330 feet (100 meters) of the project, project work in that area will be canceled until the end of the breeding season, or until further monitoring activities document that the nest is no longer active.	During project implementation	DPR Environmental Staff and Contractor	DPR Environmental Scientist			

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Vehicle use will be minimized to the extent practicable. Vehicles will operate on the haul road instead of the beach whenever practicable. A corridor will be delineated and clearly marked by a qualified monitor to provide vehicle access from the haul road to the beach; only approved corridors will be used for this purpose. Vehicles operating on the beach will be accompanied by a qualified monitor, and remain on wetted sand whenever possible.	During project implementation	DPR Environmental Staff and Contractor	DPR Environmental Scientist			
Project work, including operation of vehicles, will occur no earlier than ½ hour after sunrise and conclude at least ½ hour before sunset.	During project implementation	DPR Environmental Staff and Contractor	DPR Environmental Scientist			
Coastal strand habitat will not be used as equipment staging or refueling areas. Equipment will be stored, serviced, and fueled away from coastal strand and dune areas. Heavy equipment will be cleaned (e.g., power washed, steamed) off-site prior to being used below the ordinary high water mark.	During project implementation	Contractor	DPR Environmental Scientist			
CSP may consult with USFWS and request technical assistance for site-specific avoidance or mitigation measures. Any such changes will be amended into the Mitigated Negative Declaration if necessary. Additional project requirements will be incorporated with permit conditions in compliance with California Endangered Species Act (CESA), and California Fish and Game Code §4500, and the United States Endangered Species Act of 1973.	Prior to, during, and post project implementation	DPR Environmental Staff	DPR Environmental Scientist			
In the event a marine mammal hauls out onto the coastal strand, project activities will be minimized to the extent practicable within 820 feet (250 meters).	During project implementation	DPR Environmental Staff and Contractor	DPR Environmental Scientist			
Travel along the wet sands below the tide-line will cease within 330 feet (100 meters) of the marine mammal until it has returned to the ocean.	During project implementation	DPR Environmental Staff and Contractor	DPR Environmental Scientist			
Project activity will be minimized to the extent practicable until the marine mammal has departed the area.	During project implementation	DPR Environmental Staff and Contractor	DPR Environmental Scientist			
<b>Cultural Resources</b>						
A CSP-qualified Archaeologist will consult with the contractor and project manager to identify all cultural resources that must be protected.	Prior to project implementation	DPR Archaeologist, DPR Environmental Staff, Contractor	Project Manager (DPR Sr. Environmental Scientist)			
A CSP-qualified Archaeologist will flag and/or fence all cultural resources with a buffer of 25 meters for avoidance during project activities. The fencing will be removed after the project has been completed.	Prior to project implementation	DPR Archaeologist	Project Manager (DPR Sr. Environmental Scientist)			
Prior to any earthmoving activities, a CSP-qualified Archaeologist will approve all subsurface work, including the operation of heavy equipment within 82 feet (25 meters) of the identified sensitive resource area.	Prior to project implementation	DPR Archaeologist, Contractor	Project Manager (DPR Sr. Environmental Scientist)			

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A CSP-qualified Archaeologist will train project personnel in cultural resource identification and protection procedures.	Prior to project implementation	DPR Archaeologist, DPR Environmental Staff, Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Any locations where ground disturbing activities are proposed for the removal of invasive plant species or for planting of native plants will require additional archaeological review. This will include archival research and possible field investigations to identify previously undocumented archaeological resources in specified treatment areas.	Prior to project implementation	DPR Archaeologist, DPR Environmental Staff	Project Manager (DPR Sr. Environmental Scientist)			
A CSP-qualified Archaeologist familiar with the project will provide the project manager a site-specific avoidance plan with associated maps developed for this project. These documents will illustrate the extent of permissible project work at each culturally sensitive area and will be based on the extent of the archaeological constituents, the location of the resource in relation to the area of direct impact, and the level of proposed ground disruptions at each location. Due to the sensitivity of the archaeological resources and associated confidentiality issues, the avoidance plan and maps will not be provided in this public document; but rather, to the project manager and other appropriate project personnel when completed.	Prior to project implementation	DPR Archaeologist, DPR Environmental Staff, Contractor	Project Manager (DPR Sr. Environmental Scientist)			
A CSP-qualified Archaeologist familiar with the project will review and authorize all vehicle and equipment staging and material storage sites except those staging/storage locations situated on the currently paved surface of the Haul Road or those locations outside of the park.	Prior to project implementation	DPR Archaeologist, DPR Environmental Staff, Contractor	Project Manager (DPR Sr. Environmental Scientist)			
All excess sand generated from clearing of the haul road can be disposed of in the Preserve; however, disposal locations will not be allowed within the boundaries (with a 25 meter buffer) of archaeological sites. Additionally, prior to disposal of the excess sand, locations selected for this activity will need clearance from a CSP-qualified Archaeologist.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Foot traffic through archaeological sites is prohibited unless approved by a CSP-qualified Archaeologist. Additionally, this equipment will be restricted to the hardened footprint of the former haul road. If circumstances dictate the need to deviate from the road footprint, these areas will require prior clearance from the CSP-approved Archaeologist reviewing the project.	During project implementation	DPR Archaeologist, DPR Environmental Staff, Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Vehicle access and equipment staging will not be allowed in known archaeological site locations.	During project implementation	Contractor, DPR Environmental Staff	Project Manager (DPR Sr. Environmental Scientist)			
No plant eradication activities will be allowed within the boundary of archaeological deposits. This will include a 25 meter buffer around the site.	During project implementation	DPR Environmental Scientist	Project Manager (DPR Sr. Environmental Scientist)			

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Plant revegetation efforts within the boundary of archaeological sites, including a 25 meter buffer will be limited to seed broadcasting only.	During project implementation	DPR Environmental Scientist	Project Manager (DPR Sr. Environmental Scientist)			
All introduced materials (ballast, road base, asphalt, etc.) associated with the removal of the haul road will be disposed of outside of the Preserve and the greater MacKerricher State Park.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
A CSP qualified Archaeologist will monitor all ground disturbing phases of this project at his/her discretion (refer to Specific Project Requirements related to monitoring).	During project implementation	DPR Archaeologist	Project Manager (DPR Sr. Environmental Scientist)			
The project manager will notify the CSP Northern Service Center or District Cultural Resource Section a minimum of three weeks prior to the start of ground-disturbing work to schedule archaeological monitoring, unless other arrangements are made in advance.	Prior to project implementation	DPR Environmental Scientist	Project Manager (DPR Sr. Environmental Scientist)			
If previously undocumented archaeological resources are encountered during removal of the haul road material (asphalt, road base, and ballast), all work will cease at this location. Work can resume 25 meters past the find (point of discovery). If during resumed removal of the haul road evidence suggest the archaeological deposit is still present, than the same protocol described above will be implemented. This will be continued until evidence of the site is no longer present. This find will be appropriately documented, photographed, and mapped.	During project implementation	DPR Archaeologist and Contractor	Project Manager (DPR Sr. Environmental Scientist)			
A CSP-qualified Archaeologist will record historic fabric or features discovered during the project (a photograph and/or drawing showing any new material must be prepared or recovered and archived).	During project implementation	DPR Archaeologist	Project Manager (DPR Sr. Environmental Scientist)			



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<p>If a CSP-qualified Archaeological Monitor discovers previously undocumented cultural resources during project activities, work within 82 feet (25 meters) of the find will be temporarily halted until the Archaeologist designs and implements appropriate treatments in accordance with the Secretary of the Interior’s Standards and Guidelines for archaeological resource protection.</p> <p>i. The project manager working with the Archaeologist will modify the project to ensure that project activities will avoid cultural resources upon review and approval of a CSP-qualified Archaeologist.</p> <p>ii. If ground disturbing activities uncover intact cultural features (including but not limited to dark soil containing shellfish, bone, flaked stone, groundstone, or deposits of historic ash), when a CSP-qualified Archaeologist is not on-site, the project manager will contact the CSP State Representative immediately and will temporarily halt or divert work within the immediate vicinity of the find until a CSP-qualified Archaeologist evaluates the find and determines the appropriate treatment and disposition of the cultural resource.</p>	During project implementation	DPR Archaeologist	Project Manager (DPR Sr. Environmental Scientist)			
<b>GEOLOGY AND SOILS</b>						
<p>Best Management Practices (see pertinent sections of Appendix E.1 - Best Management Practices) will be used in all project areas to control sand/soil movement and surface water runoff during excavation and removal of the road remnants and culverts. If excavation and removal of remnant road materials take place during winter months, temporary erosion control measures will be used to protect and “winterize” any soils stockpiled offsite.</p>	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
<b>GREENHOUSE GAS AND AIR QUALITY</b>						
<p>CSP and its contractor(s) will maintain all construction equipment in good mechanical condition, according to manufacturer’s specifications. Construction equipment exhaust emissions will not exceed Bay Area Air Quality Management District (BAAQMD) Regulation IV – Rule 400 – Visible Emissions limitations (Cal EPA 2007b).</p>	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
<p>All off-road and portable diesel-powered equipment, including but not limited to bulldozers, graders, cranes, loaders, scrapers, backhoes, generator sets, compressors, auxiliary power units, will be fueled with California Air Resources Control Board (CARB)-certified motor vehicle diesel fuel.</p>	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			

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Idling time for all diesel-powered equipment will be limited to five minutes, except as necessary to maintain a continuous workflow or for safety considerations.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
The use of diesel construction equipment meeting the CARB's 1996 or newer certification standard for off-road heavy-duty diesel engines will be maximized to the extent feasible	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Electric and/or gasoline-powered equipment, or equipment using alternative fuels, such as compressed natural gas (CNG), liquefied natural gas (LNG), propane, or biodiesel, will be substituted for diesel-powered equipment, when available.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Ground-disturbing activities will be suspended when sustained winds exceed 25 miles per hour (40 kilometers per hour), instantaneous gusts exceed 35 miles per hour (56 kilometers per hour), or dust from project activities might obscure driver visibility on public roads.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
As necessary, disturbed areas of the site will be covered (tarp) or watered depending on the conditions, using water trucks and/or sprinkler systems, to prevent airborne dust from leaving the site.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
If available, reclaimed (non-potable) water will be used.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Any dirt stockpiles will be covered (tarp) or watered daily, as necessary to prevent dispersion of windblown dust	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
All trucks hauling dirt, sand, soil, or other loose materials on public roads will be covered or will maintain at least two feet (0.6 meters) of freeboard (minimum vertical distance between top of load and top of trailer), in accordance with California Vehicle Code Section 23114.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Project requirements will also be implemented during holidays, weekend periods, or times when work is temporarily suspended, as necessary to control site conditions generating fugitive dust. Contact information for the project manager as well as the Mendocino County Air Quality District will be made available to the public to ensure compliance with applicable regulations.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
<b>HAZARDS AND HAZARDOUS MATERIALS</b>						
All equipment will be inspected for leaks immediately prior to the start of the project, and regularly inspected thereafter until equipment is removed from park premises.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
No maintenance or fueling activities will be allowed within 200 feet (61 m) of any body of water.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			

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Fuel transfer will be done over an impervious surface. Portable containment equipment will be used during fueling.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
A Spill Prevention, Control, and Countermeasure Plan (SPCC Plan) will be prepared prior to the start of the project and an appropriate spill kit maintained onsite throughout the duration of the project. The SPCC Plan will include a map delineating project staging or storage areas and areas where refueling, lubrication, and maintenance of equipment may occur. In the event of a spill or release of any chemical on or adjacent to the project site, the contractor or equipment operator will immediately notify appropriate CSP staff and implement the Mendocino District Hazardous Spill Response Procedures. Appropriate agencies will be notified in the event of significant spillage.	Prior to and During Project Implementation	DPR Environmental Staff, Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Other than emergency repairs, all equipment cleaning and repair will occur outside of the Natural Preserve at designated authorized sites. All contaminated liquids and materials and other hazardous compounds will be disposed of at a designated authorized site.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
When not in use, hazardous materials will be stored in a locked storage area. Materials will be transported to the work site in spill proof containers and will be secured in the vehicle so as to prevent spillage.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
CSP will include, in any contract documents or in internal work plan documents, health and safety specifications regarding management of potential hazardous incidents. The specifications will include methods for safe handling, collection, and proper disposal of any contaminated soil and refuse uncovered during the excavation procedures; discuss the proper personal protection during project activities; the use of an exclusion zone if necessary to prevent exposure to the public; and the proper disposal procedures for any hazardous substances encountered.	Prior to and During Project Implementation	DPR Environmental Staff, Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Project information and area closure notices will be issued by the Mendocino District State Parks superintendent and published in local newspapers as well as posted on the CSP website.	Prior to and During Project Implementation	DPR Environmental Staff, DPR Superintendent	Project Manager (DPR Sr. Environmental Scientist)			
A fire safety plan will be in place prior to the start of any project activities, including identified fire suppression equipment and completion of any required employee training.	Prior to and During Project Implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Spark arrestors or turbo-charging (which eliminates sparks in exhaust) and fire extinguishers will be required for all heavy equipment.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			

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Project work crews will be required to park vehicles away from flammable material, such as dry grass and brush. At the end of each workday, heavy equipment will be parked at a designated staging area located on asphalt or bare sand to reduce the chance of fire.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Implementation of the SPCC Plan during all phases of the project will insure the proper use, storage, and disposal of any flammable materials used during the project.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
CSP staff will be required to have a CSP two-way communications radio on site, which will allow direct contact with the Northern Communications dispatch center, to facilitate the rapid dispatch of control crews and equipment in case of a fire. Fire suppression equipment will also be available within the park.	During project implementation	DPR Environmental Staff, Contractor	Project Manager (DPR Sr. Environmental Scientist)			
<b>HYDROLOGY AND WATER QUALITY</b>						
Any additional requirements identified through the permitting processes will be incorporated into the project design and specifications, and implemented as part of the project scope to avoid potential natural resource impacts.	Prior to and during project implementation	DPR Environmental Staff, Contractor	Project Manager (DPR Sr. Environmental Scientist)			
State Parks will adopt best management practices (refer to GEO-1) and use materials, methods, and techniques to implement erosion and sedimentation control and to otherwise stabilize slopes and barren soil surfaces, as described in Appendix E.1 - Best Management Practices.	During project implementation	DPR Environmental Staff, Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Integration of Standard Project Requirement HAZ-1 will prevent impacts to water quality from possible pollutants (fuels, vehicle fluids) released from vehicles, and heavy equipment during the project.	During project implementation	DPR Environmental Staff, Contractor	Project Manager (DPR Sr. Environmental Scientist)			
<b>LAND USE AND PLANNING PROJECT REQUIREMENTS</b>						
Conditions and requirements identified through the Coastal Development Permit process will be incorporated into the project design and specifications, and implemented as part of the project scope to avoid potential natural resource impacts.	Prior to and during project implementation	DPR Environmental Staff, Contractor	Project Manager (DPR Sr. Environmental Scientist)			
<b>NOISE</b>						
Project activities will be limited to daylight hours, Monday - Friday. If work during weekends or holidays is required, no work will occur on those days before 7:30 am or after 8 p.m.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			
Internal combustion engines used for any purpose at the job site will be equipped with a muffler of a type recommended by the manufacturer. Equipment and trucks used for project activities will utilize the best available noise control techniques (e.g., engine enclosures, acoustically-attenuating shields or shrouds, intake silencers, ducts, etc.) whenever feasible and necessary.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			

Condition/Mitigation Measure	Timing	Responsible for Implementing Mitigations and Conditions	Responsible for Insuring Implementation	Required for Task to be Complete	Date Completed	Status / Comments
Stationary noise sources and staging areas will be located as far from sensitive receptors as possible.	During project implementation	Contractor	Project Manager (DPR Sr. Environmental Scientist)			