

**Attachment 4C**  
**Mitigation Measures, Monitoring, and Reporting Program (MMRP)**

## **MITIGATION MEASURES, MONITORING, AND REPORTING PROGRAM (MMRP)**

All of the following mitigation measures are required to mitigate impacts from the proposal to conduct four temporary events in the Cooks Valley area on an annual basis:

### **Mitigation Measure BIO-1 (Floating Boom):**

A boom shall be positioned downstream of the event and used to capture rafts and other flotation devices that are inadvertently carried off during events. Netting or similar materials which can entrap wildlife, are prohibited from use.

### **Mitigation Measure BIO-2 (Bullfrog Management – Arthur Pond):**

The pond located on the Arthur Property (French's Camp) shall be completely drained annually. Draining of the pond must be completed by September 1st of each year. Before draining may occur, a plan for discharge of stored water from the pond shall be submitted to the California Department of Fish & Wildlife for review and approval. The plan shall identify the timing, volume, and areas where release of water is proposed. Water from the pond shall not be discharged directly into the South Fork of the Eel River, or its tributaries.

### **Mitigation Measure BIO-3 (Event Lighting):**

Elements of the lightshow (such as lasers, projections, and similar lighting) shall be directed in a way that ensures they remain contained within the boundaries of the property and event footprint (i.e. directed at the dance floor and stages, venues, etc. and not onto adjacent forested slopes throughout the river canyon).

### **Mitigation Measure BIO-4 (Waste Management):**

To prevent the overflow spread of litter and access by corvids and other wildlife, trashcans shall be regularly emptied throughout the day. All dumpsters shall be animal proof, or at a minimum, covered. All areas shall be cleaned of all litter within two (2) weeks following the end of each event. Cleanup includes snorkeling and diving of the river to detect and remove litter and lost objects that could be deleterious to fish, wildlife, or other beneficial uses.

### **Mitigation Measure BIO-5 (Riparian Setbacks):**

The following riparian setbacks from the river's wetted edge shall be maintained during all events:

- Walk-in campsites: 30'
- Car campsites/parking on the gravel bar: 100'
- Stages: 50' minimum
- Porta-potties: 50' minimum. Must be placed on a stable surface
- Generators supplying power to event infrastructure: 100 feet. All generators within 200 feet of the wetted edge shall include secondary containment. Fully-stocked spill kits must be available onsite at all times.

A buffer of no less than thirty (30) feet shall be maintained between all project activities and the wetted channel of South Fork Eel River. A one hundred (100) foot buffer shall be maintained between all vehicles and the wetted channel of the South Fork Eel River.

### **Mitigation Measure BIO-6 (Foothill Yellow-legged Frog):**

During all events featuring camping and other use of the riverbar, the applicant shall plan, and implement outreach, announcements, and signage to educate attendees and event staff about foothill yellow-legged frogs (FYLF) at the event site, including ways for attendees to avoid impacting frogs during events. At minimum, these efforts shall include:

- Conspicuously posted signage at each vehicle entry point and at 50-foot intervals along the 30-foot setback from the river bank and 100-foot setback for vehicle parking areas. At minimum, the signage shall be 11" x 17", be posted between 4-5 feet above the ground, include an image of the FYLF and shall indicate "No Camping Beyond This Point" and "No Parking Beyond This Point," respectively. The sign shall also include additional pertinent information to educate attendees on ways to avoid impacts to the FYLF for the duration of the event.
- Education of event staff and security to ensure attendees are not camping or parking in prohibited areas where impacts to the FYLF are most likely to occur.
- Announcements from the Main Stage and River Stage once each morning, afternoon and evening on each day of the event to inform attendees on ways to avoid impacts to the FYLF for the duration of the event.

County and CDFW staff may conduct inspections during the event to ensure compliance with this and all Biological Resource conditions.

#### **Mitigation Measure BIO-7 (Nesting Birds)**

Nesting birds or occupied nests shall not be disturbed or disrupted by project activities. Some bird species such as killdeer (*Charadrius vociferous*) are cryptic ground nesters known to utilize gravel bars for nesting activities. Riparian vegetation provides suitable habitat for a variety of nesting birds. In order to avoid potential take of the nest or eggs of any bird (prohibited pursuant to Fish and Game Code Sections 3503 and 3503.5), nest surveys shall be conducted by a qualified biologist within 14 days prior to the start of project-related activities, and within 14 days prior to the start of the earliest event. (If all activities will take place within a two-week period, a single survey is acceptable.) The detailed survey results shall be submitted to the County and CDFW for review prior to commencement of site preparation activities and/or the Northern Nights Music Festival. CDFW will provide review and comment within five (5) business days of report submittal. Depending on site-specific conditions, CDFW may recommend buffers of 50 or more feet between identified nests and project activities, and/or other measures to avoid disturbance or take of nests.

#### **Mitigation Measure BIO-8 (Stage Orientation)**

To minimize potential noise disturbance all performance stages shall be constructed and positioned in such a way that, to the extent feasible, noise will be projected away from designated critical habitat for the Marbled Murrelet and from Richardson Grove State Park.

#### **Mitigation Measure GHG-1 (GHG Reduction):**

Each event shall include and implement select measures to reduce Greenhouse Gas (GHG) Emissions generated by the event. Measures include all of the VMT reduction techniques found in Mitigation Measure TRANS-1. Additional measures designed to discourage and reduce generator use, include but are not limited to:

- Providing convenient locations for charging phones and other small portable electronic devices
- Prohibiting use of private generators within all river bar camping areas
- Offering discounts to attendees who bring portable battery power generators
- Promoting use of solar charging and/or other alternative energy generators by attendees
- Using and developing new grid power infrastructure to reduce reliance on generators to power event infrastructure.

**Mitigation Measure WQ-1 (Monitoring Water Usage):**

Water use on both the County Line Ranch and Cooks Valley Campground properties shall be monitored throughout the event season (May through October) including prior to, during, and after each event. Daily readings of water use shall be collected from the water meters during each day an event occurs. This information shall be recorded and tabulated and provided in the post event report.

**Mitigation Measure WQ-2 (offsetting water use - County Line Ranch):**

To offset event-related water demand at County Line Ranch, the property owners and occupants shall agree to forbear from use of the well between September 1<sup>st</sup> and October 15<sup>th</sup>. Forbearance shall be required during any year where events occur, for the life of the permit. If enough water storage is developed to meet all event-related water demand at the County Line Ranch place of use, forbearance shall no longer be required.

**Mitigation Measure WQ-3 (offsetting water use - Cooks Valley Campground):**

To offset event-related water demand at Cooks Valley Campground, the property owner and occupants shall reduce water use during the standard forbearance period (May 15<sup>th</sup> thru October 31<sup>st</sup>) so that the total water use during those months is reduced by an amount equal to the amount of water used by all events occurring within that same period.

For example, if all event-related water use totals 200,000 gallons (between May 15<sup>th</sup> and October 31<sup>st</sup>), the maximum amount of water that may be taken during the forbearance window shall not exceed 1,146,000 gallons (1,346,000 gallons – 200,000 gallons).

**Mitigation Measure WQ-4 (Dust Control)**

Use of Chemical Dust Suppressants is prohibited. Water for dust control be sourced from the existing pond at the Cooks Valley Campground.

**Mitigation Measure WQ-5 (Water Quality Sampling)**

To assess water quality impacts, during all three and four-day events, daily water samples shall be collected by a qualified independent entity. Samples shall be collected both upstream and downstream from the event and shall be tested for total coliforms, fecal coliforms and enterococci.

**Mitigation Measure WQ-6 (Inspection & Management of Leaking Vehicles)**

Event staff shall inspect vehicles at arrival for leaking fluids, take appropriate steps for dealing with problem vehicles, monitor the parking areas during the event, and provide any required clean up during and after the events.

Event staff will inspect vehicles at arrival for leaking fluids, take appropriate steps for dealing with problem vehicles, monitor the parking areas during the event, and provide any required clean up during and after the event. The applicants/event staff shall provide specific details of the vehicle screening/inspection process to prevent the release of petrochemicals associated with vehicles in areas where these chemicals may pass into the South Fork Eel River. This screening process shall, at a minimum:

- a) Dedicate staff to pollution prevention, both at the entry point and for follow up within the venue for the duration of the event
- b) Identify "problem" vehicles (i.e. leaking) before they enter the venue
- c) Intercept and quarantine "problem" vehicles that are leaking and direct to parking areas away from the river bar

- d) Create a contingency plan for leaking vehicles discovered within the venue, such as absorbent pads effective to contain leaks until proper disposal after the event
- e) Dedicate staff for clean-up and remediation of spots/spills during and after the event
- f) Report post clean-up findings to CDFW and other interested agencies after the event

The applicants shall detail any spills and their clean-up in the annual monitoring report.

**Mitigation Measure WQ-7 (Water Quality Education and Enforcement)**

Campers and other attendees utilizing the river and river bar areas shall be prohibited from using soap in the river. Signage and other information prohibiting use of soap in the river and encouraging use of ecologically friendly sunscreen options.

**Mitigation Measure NOI-1 (Adaptive Management):**

- 2. To provide for adaptive management of the event, including control of unique issues which arise or are observed, the applicant shall perform and implement the following actions and protocols, which are designed to help insure the event is conducted in a way that avoids becoming a nuisance to neighboring land uses and residents.

D. The following measures shall be completed **at least two weeks prior** to the event:

- i. The applicant shall establish a number of channels for soliciting community feedback **before** and **during** operation of the festival, including but not limited to:

- a. a dedicated local landline with voicemail, answering machine, or equivalent messaging service for receiving feedback, concerns, suggestions, and complaints.
- b. a dedicated email address for receiving feedback, concerns, suggestions, and complaints.
- c. A dedicated staff person or team shall be designated and tasked with regularly monitoring communication received through these channels including:
  - 3. responding to / contacting reporting parties to acknowledge receipt of communication as well as discussion and development of ways to effectively address the issue; and
  - 4. coordinating implementation of adaptive measures to reduce, minimize, or resolve the issue(s) identified.

- ii. Notification shall be provided to community members (including neighboring property owners/residents, and others). The notice shall include the festival dates and daily hours of operation and list the phone/email hotline where community members may ask questions, express concerns, or provide feedback related to the event. Notice shall be provided at minimum through the following means:

- a. Flyers shall be posted and handbills left at community message boards and similarly appropriate locations in the Piercy, Cooks Valley, Benbow, and Garberville areas. Flyers should explain that the hotline will be monitored and used to respond to event-related questions and concerns from local residents.
- b. Hotline information shall be included within event-related PSA's or paid announcements on local radio stations

- iii. The email account and phone number shall be monitored during the festival as well as the 2-week period leading up to the event. At a minimum, monitoring of these channels shall be performed hourly during the festival and on a daily basis during the period preceding the first day of the event.

- E. The following measures shall be implemented **during** the event:
- i. To characterize and better understand noise levels from the event, a noise meter shall be used to measure and monitor noise levels at the boundaries of the event properties during each night of the festival (between 7pm and 2am). Noise measurements shall be collected at the property lines nearest each of the cardinal directions (north, south, east, and west) from the center of the event.
  - ii. The applicant agrees to adaptively manage concert noise throughout the course of each event, striving to incorporate measures which reduce, minimize, or resolve noise-related issues or similar concerns should complaints or other constructive feedback be received from community members during events. This includes but is not limited to: speaker or stage positioning, amplification levels, or other measures to limit or control noise.
- F. The following measures shall be implemented **following** the event:
- i. The post-event report shall include information discussing compliance with the requirements of this condition, including public outreach and input received, noise level measurements, and adaptive management measures taken.

**Mitigation Measure NOI-2 (Quiet Time):**

The campground areas shall be posted, and information shall be provided on the event website that a "Quiet Time" shall exist from 11:00 p.m. to 10:00 a.m. each day. No amplified music is permitted in the campground during "Quiet Time." Event security shall monitor the camping areas to ensure compliance with this condition.

**Mitigation Measure TRANS-1 (VMT Reduction):**

Each event shall include and implement select measures to reduce cumulative vehicle miles traveled to and from the event. Measures include but are not limited to:

- Promoting carpooling across marketing and social media channels
- Providing incentives to help ensure camping is maximized amongst multi-day attendees and staff
- Offering discounts (on parking and admission) to event attendees who carpool
- Providing shuttles to the event from locations near where trips to the event originate or where there are other large concentrations of event attendees.
- Chartering local bus service to provide special bussing, express service, or extended service during days the event occurs.

**Mitigation Measure TRANS-2 (Traffic Control):**

An engineered traffic control plan will be required as part of the Caltrans Encroachment Permit for each Special Event. The traffic control contractor must be a California licensed C31 contractor. Any shuttle stop requested within State right of way will require approval from multiple offices within Caltrans. The applicant must allocate time for Caltrans to review the shuttle operations prior to submitting an encroachment permit application.

**Mitigation Measure WF-1 (Fire Prevention, Firefighting & Emergency Services Personnel, Equipment & Infrastructure):**

1. All grasses in parking and camping areas shall be mowed prior to each event.
2. Emergency water resources need to be established and approved by CalFire. These water resources need to be easily identifiable and remain accessible for emergency vehicles.

3. Fire extinguishers shall be available and mounted in and around campsites. The required number of extinguishers will need to be adequate for each campsite and their occupancy load (placement and number of extinguishers can be determined during site inspection).
4. During events, signage declaring "NO OPEN BURNING" and "NO FIREWORKS" shall be placed in and around the camping areas and areas open to the public. This prohibition shall also be advertised on the event website and handouts noting that fire and fireworks are prohibited.
5. All roadways shall be an all-weather surface, rocked and accessible for all types of vehicles.
6. A 20-foot fire lane shall be established around the perimeter, including parking and camping areas. These areas will need to be easily identifiable and remain clear for emergency vehicles.
7. Staging areas for fire suppression and emergency medical resources shall be established at appropriate locations within the event. These staging areas will need to be easily identifiable and remain clear for access by emergency vehicles.
8. The perimeter of the event area shall be clearly identified and shall be posted to limit access beyond the approved event, camping, and parking area sites. No camping shall be allowed on the opposite side of the South Fork Eel River from the event.
9. Prior to each event, the event operator shall establish an evacuation plan and ensure all cooperating agencies and event emergency services are familiar with and have a copy of the plan.
10. The event operator shall establish an incident action plan (I.A.P) that provides the minimum information to all cooperating agencies such as locations of fire and security stations, locations of emergency water sources, communications plan including phone numbers for event emergency services and coordinators, transportation plan, and medical plan. The I.A.P must be distributed to all involved agencies prior to each event.
11. Designated locations for fire, medical, and security personnel and parking shall be identified with signs visible to all campers.
12. The following personnel, measures, and equipment shall be in place and in force during all events:
  - i. A minimum of one (1) Type 3 fire engine and one (1) water tender for standby emergency water and dust abatement, with radio communication equivalent to CalFire dispatch and staffed with a minimum of two (2) personnel, staged at the campground 24 hours a day throughout the duration of the event. One fire engine is required for each 5,000 people in attendance. The first engine shall be a Type III engine staffed with an operator and two firefighters. Additional required engines shall be at least Type IVs and staffed with an operator and firefighter. The engine operators shall be minimum NWCG Engine Boss (or equivalent) qualified and the firefighters shall be minimum NWCG Firefighter (or equivalent) qualified. The personnel roster of qualified engine operators and firefighters shall be provided to CAL FIRE within 10 days of the event. Documentation of training may be requested to verify qualifications.
  - j. A minimum of one (1) paramedic and one (1) EMT with ACLS capabilities, and transportation and radio communication equivalent to CalFire dispatch for any life-

threatening emergencies. ALS-staffed medical crew must be present on-site for the entire event duration.

- k. Event fire personnel shall establish and maintain affirmative radio communication between the event site and the Fortuna Interagency Command Center on the Humboldt County Fire Net frequency. The event fire personnel must have no fewer than two radios per engine (one mobile and one portable) capable of transmitting and receiving.
- l. Each event shall have a designated Fire Chief who shall serve as or delegate duties as the event Fire Marshall. The event Fire Marshall is responsible for the conduct and documentation of daily inspection of electrical fire hazards, fire extinguishers, and acceptable conditions of propane / cooking equipment for vendor booths. The event Fire Marshall shall have the authority to enforce State Fire Marshall standards for the event, and close down a vendor until their operation comes into compliance.
- m. On-site security shall enforce the prohibition on open burning of any kind.
- n. All parking lots should be staffed with security personnel twenty-four hours per day and equipped with firefighting tools, water extinguishers, and Class B & C extinguishers. These security personnel shall have direct communications with the event emergency services to ensure immediate incident notification.
- o. Road from U.S. Highway 101 to Mercer Fraser and Loop Road shall be kept open and clear for emergency vehicle access.
- p. Piercy byways and exits 627,625, and 271/101 junction shall be limited to local traffic.

All items listed above, with the exception of the staffed fire equipment, shall be in place and approved to the satisfaction of all appropriate agencies prior to each event.

- 13. The event operator shall contact CAL FIRE at least 45 days prior to an event and provide the agency an opportunity to perform and evaluation of fire and life safety concerns and conduct an initial inspection. Cal-FIRE may request to perform additional inspections, such as within ten days of the event, and re-inspection within 24 hours of the event when fire and emergency resources are in place. All above recommendations, with the exception of the staffed fire equipment, shall be in place and approved ten days prior to the event.
- 14. A Critical Incident Plan shall be developed and circulated to all safety personnel and emergency service providers a minimum of 30 days prior to each event. All safety personnel and representatives from each agency shall be invited to a meeting held during the week of each event. The critical incident plan shall be utilized by all service providers and coordinated through Humboldt's CalFire Fortuna Emergency Command Center (ECC) and/or Mendocino's Howard Forest Station, per CalFire's instruction for that year's event season.