

Field Safety Plan

Field Site Location:	Picnic Grounds (UCD Experimental Ecosystem (PCRR) and UCD Foundation Plant Services)
Activity:	Monitoring nextboxes
Created for:	Daniel Karp and Katherine Lauck, Dept. WFCB
Date of Review:	

General Site Information:

If travelling more than 100 miles from campus, register your trip at ehs.ucop.edu/away for UC travel insurance documentation and location-specific trip alerts. For international work, the [Worldcue Trip Planner](#) is available to assist with planning logistics, identifying local services, and guidance regarding local hazards.

Geographic Location:	Latitude: 38.5384087	Longitude: -121.8686999
Local Contact:	Katherine Lauck, kslauck@ucdavis.edu, (540) 923-0228	University Contact: Daniel Karp, (530) 219-9868, dkarp@ucdavis.edu <i>Not on trip. Provide person a copy of this Field Safety Plan.</i> Frequency of check-ins: weekly
Nearest Emergency Medical Services (EMS):	Call 911; or 530-758-3600 or 530-756-3400 (City of Davis emergencies)	
Nearest Emergency Department (ED):	Sutter Davis Hospital Emergency Department. 2000 Sutter Pl, Davis CA 95616. Phone: (530)757-5111. Open 24 hrs, 7 days/wk.	
Go/No Go Criteria:	NO GO: Electrical storms, heavy rains or snow, flash flooding, high wind, extreme cold or heat, wildfires in vicinity and/or excessive smoke	
Directions to site	From campus, drive west on Hutchinson Drive. Turn left on gravel drive just west of Hopkins Road. Orchards have 10 boxes. Then continue south on gravel to last right turn, continue straight to nest boxes. For Exp. Ecosystems, drive west on Hutchinson to L on Pedrick, then turn right into PCRR parking lot N of Putah Creek. Go through first gate: 5 boxes are	
Parking Areas:	Primary: Experimental Ecosystem: parking area for PCRR, on the N side of Putah Creek. Secondary: FPS: On gravel drive near boxes	
Assembly Areas:	Primary: Same as parking areas Secondary:	
Expected temperature/weather:	50 to 95 degrees F, clear weather or some wind and rain, possible heat waves	
Drinking water availability:	If forecast exceeds 80°, Cal/OSHA requires access to at least one quart (4 cups) per person per hour for the entire shift, i.e., an 8 hour shift of strenuous work requires access to 2 gallons per person. Water must be fresh and suitably cool. <input type="checkbox"/> Plumbed water available <input type="checkbox"/> Water cooler with ice to be provided <input checked="" type="checkbox"/> Bottled water provided <input type="checkbox"/> Other: <input type="checkbox"/> Natural source and treatment methods (e.g. filtration, boiling, chemical disinfection):	
Access to Shade/Shelter:	If forecast exceeds 80°, shade must be provided by any natural or artificial means for rest breaks. Shade is not considered adequate when heat in the area does not allow the body to cool (e.g., sitting in a hot car). <input checked="" type="checkbox"/> Building structures <input checked="" type="checkbox"/> Trees <input type="checkbox"/> Temporary Canopy/Tarp <input checked="" type="checkbox"/> Vehicle with A/C <input type="checkbox"/> Other:	
High Heat Procedures - Required when temperatures are expected to exceed 95° F	If possible limit strenuous tasks to morning or late afternoon hours. Rest breaks in shade must be provided at least 10 minutes every 2 hours (or more if needed). Effective means of communication, observation and monitoring for signs of heat illness are required at all times. Pre-shift meeting required. <input checked="" type="checkbox"/> Direct supervision <input checked="" type="checkbox"/> Buddy system <input checked="" type="checkbox"/> Reliable cell or radio contact <input type="checkbox"/> Other:	
Personal Protective Equipment (PPE):	Required: Long pants, sturdy close-toed/heel shoes Recommended: hats, insect repellent, sunscreen	
Out of Bounds Areas:	Active agricultural planting, private property (if not given permission to access), creek water (hazardous), flooded or very muddy areas	
Cell phone coverage:	Device carried? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no Type: Smartphone Coverage: Good Nearest location with coverage: Russell Ranch	Satellite phone/device: Device carried? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Type: Coverage: None Nearest location with coverage:
Nearby services:	H.M. Clause has restrooms; Also north on Mace Blvd to El Macero Center - grocery store + gas station, 417 Mace Blvd, Davis, CA 95616	
Access:	Easy	
Physical demands:	Hiking	
Field Team/Participants:	Primary Field Team Leader: Katherine Lauck, 5409230228 Secondary Field Team Leader: Katia Goldberg, 4439494675 <input type="checkbox"/> Field Team/Participant list is attached as training documentation <input checked="" type="checkbox"/> Other attachment, e.g. course roster Is anyone working alone? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If so, develop a communications plan with strict check-in procedures; carry a sat device for remote locations.	

Field Safety Plan

First Aid Training	General first aid training included in Dept. of WFCB IIPP and EAP Location of group medical/first aid kit: In each field backpack and at Academic Surge
Immunizations or Medical Evaluation (if applicable)	Contact <u>Occupational Health</u> at least 6 weeks prior to your trip for travel-related immunizations, medical advice, required or recommended immunizations, and medical clearance related to your research protocol.

Safe Work Practices

List identified risks associated with the activity or the physical environment and appropriate measures to be taken to reduce the risks. Refer to relevant protocols, SOPs, etc. if applicable.

Complete training on 1) WFCB Injury Illness and Prevention Program, 2) WFCB Emergency Action Plan, 3) Heat Injury and Illness Prevention Online Training, and 4) Animal Care and Use 101 Online Training

● Ticks: Wear long pants, closed-toes shoes, hats, and long-sleeved shirts. Remove ticks promptly with tweezers by grabbing it close to skin and pulling it straight out.
● Heat: Drink water frequently, take breaks in shade as needed, wear sunscreen, hats, sunglasses.
● Rattlesnakes: If a rattlesnake is seen, avoid walking near it and leave it alone. If bitten, seek emergency medical attention immediately.
● Lightning and flooding: If thunder is heard, leave the site and seek shelter. In case of flooding, do not approach the creek. If there is a storm, leave the site.
● Poison Oak: Wear long pants and long-sleeved shirts as well as closed-toed shoes. Wash clothes and body with soap and water after field work.
● Wasps: avoid wasps if they are active.

Additional Considerations

Contact Safety Services for guidance. Check all that apply.

- ☒ One or more of the following will be handled/transported: hazardous biological, chemical, or radioactive materials, pesticides, animals, or fireworks.
- ☐ Activities are to involve one of the following: ATVs, snow mobiles, tractors or other motorized vehicles; rigging, climbing, fall protection; shoring/trenching, digging/excavations, caves, other confined spaces or egress/access limitations; chainsaws, hand held power tools; explosives or fire arms; lasers, portable welding/soldering devices; other hazardous equipment or tools.
- ☒ Modes of transportation other than regularly scheduled commercial carriers (e.g. chartering a boat, plane) will be used.
- ☒ The campus auto policy & auto insurance article for university vehicles, personal vehicles, and rental vehicles has been reviewed.
- ☐ Visas, permits, finances, import/export controls, transportation of specialized equipment, and data security have been considered. (See UC Global Operations (ucgo.org) or contact UCD Export Control for guidance.)
- ☒ Personal safety risks during free time have been considered or discussed, e.g., alcohol or drug use, leaving the group, situational awareness, sexual harassment, or local crime/security concerns. You may use the Worldcue Trip Planner 'Location Intel' tab to generate a security brief.

Campus Contacts:

<p>UCPD Emergency Number: (530) 752-1230</p> <p>University Health Services Faculty/Staff: <u>Occupational Health Services</u>; (530) 752-6051 Students: <u>Student Health and Counseling Services (SHCS)</u></p> <p>Office of Environment, Health & Safety (EH&S): <u>Safety Services</u></p> <p>Travel Insurance Emergency Number: (410) 453-6330 (United Healthcare - UC Travel Insurance)</p> <p>Report injuries: For Employees: <u>Injury Reporting Procedure</u> For non-paid students: Submit an <u>Incident Report</u> or email it to Risk Management Services, rms@ucdavis.edu</p>
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First Aid Reference – Signs & Symptoms of Heat Illness		
Signs & Symptoms	Treatment	Response Action:
HEAT EXHAUSTION <ul style="list-style-type: none"> • Dizziness, headache • Rapid heart rate • Pale, cool, clammy or flushed skin • Nausea and/or vomiting • Fatigue, thirst, muscle cramps 	<ol style="list-style-type: none"> 1. Stop all exertion. 2. Move to a cool shaded place. 3. Hydrate with cool water. 	<p>Heat exhaustion is the most common type of heat illness. Initiate treatment. If no improvement, call 911 or seek medical help. Do not return to work in the sun.</p> <p>Heat exhaustion can progress to heat stroke.</p>
HEAT STROKE <ul style="list-style-type: none"> • Disoriented, irritable, combative, unconscious • Hallucinations, seizures, poor balance • Rapid heart rate • Hot, dry and red skin • Fever, body temperature above 104 °F 	<ol style="list-style-type: none"> 1. Move (gently) to a cooler spot in shade. 2. Loosen clothing and spray clothes and exposed skin with water and fan. 3. Cool by placing ice or cold packs along neck, chest, armpits and groin (Do not place ice directly on skin) 	<p>Call 911 or seek medical help immediately.</p> <p>Heat stroke is a life threatening medical emergency. A victim can die within minutes if not properly treated. Efforts to reduce body temperature must begin immediately!</p>