

Field Safety Plan

Field Site Location: Yosemite Valley, Yosemite National Park, California
Activity: Short to moderate hiking, collecting field samples.
Created for: ██████████ sampling, ██████████ Lab, 2016 Date of rev: 3/18/2016

General Site Information: [Click here to enter text.](#)

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: 37.849	Longitude: 119.567	
Local Contact:	Yosemite National Park Headquarters: 209-372-0200	University Contact: Not on trip. Provide person a copy of this Field Safety Plan.	██████████ Frequency of check-ins: Daily, by call, email or text, at end of working day.
Nearest Emergency Medical Services (EMS):	In an EMERGENCY, Dial 911. For Park Ranger Station, call 559-675-7770.		
Nearest Emergency Department (ED):	Adventist Health Community Care 48677 Victoria Lane Oakhurst, CA 93644 Phone: (559) 683-2711 Hours: 8 a.m. to 7 p.m. Monday - Friday 9 a.m. to 7 p.m. Saturday & Sunday		
Go/No Go Criteria:	NO GO: Heavy rains in past 24 hrs; active electrical storms.		
Directions to site	Take I-580 east to I-205 east to Highway 120 east (Manteca) or Highway 140 east (Merced) into Yosemite National Park.		
Parking Areas:	Primary: Vehicles can park safely under all weather conditions in a paved lot at the Yosemite Valley Visitors Center. Secondary: Nature Center at Happy Isles Parking Lot.		
Assembly Areas:	Primary: In front of Yosemite Valley Visitors Center. Secondary: In front of Nature Center at Happy Isles.		
Expected temperature/weather:	Weather is typically mild during the periods of planned activities. However, elevated temperatures and storms can potentially occur. In these cases, all appropriate precautions will be taken.		
Drinking water availability:	<p>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.</p> <p><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:</p> <p><input checked="" type="checkbox"/> Natural source and treatment methods (e.g. filtration, boiling, chemical disinfection): Iodine tablets will be carried for purifying water in any area without access to potable water.</p>		
Access to Shade/Shelter:	<p>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).</p> <p><input 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:</p>		
High Heat Procedures - Required when temperatures are expected to exceed 95° F	<p>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.</p> <p><input checked="" type="checkbox"/> Direct supervision <input checked="" type="checkbox"/> Buddy system <input type="checkbox"/> Reliable cell or radio contact <input type="checkbox"/> Other: Click here to enter text.</p>		
Personal Protective Equipment (PPE):	<p>Required: Sturdy hiking boots/shoes. Recommended: Walking sticks, gloves, long pants, hats, insect repellent, sunscreen</p>		
Out of Bounds Areas:	N/A.		
Cell phone coverage:	<p>Number: 510-328-3764 Coverage: good Nearest location with coverage: on site</p>	Satellite phone/device:	<p>Device carried? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Type: Coverage: none Nearest location with coverage:</p>
Nearby services:	Restroom facilities are located near the site. Food and water are available nearby in Curry Village, Yosemite Valley.		
Access:	Easy access is available on a gently graded, packed dirt hiking trail.		
Physical demands:	Hiking under easy to moderate difficulty for 3-4 hours.		
Field Team/Participants:	<p>Primary Field Team Leader: Name and phone number Secondary Field Team Leader: Name and phone number</p> <p><input checked="" type="checkbox"/> Field Team/Participant list is attached as training documentation <input type="checkbox"/> Other attachment, e.g. course roster</p> <p>Is anyone working alone? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If so, develop a communications plan with strict check-in procedures; carry a sat device for remote locations.</p>		
First Aid Training	<p>██████████, First Aid certified, Red Cross, ██████████ Location of group medical/first aid kit: ██████████ will carry standard first aid kit. Additional kit will be stored in field vehicle.</p>		
Immunizations or Medical Evaluation (if applicable)	None required.		

Safe Work Practices

Field Safety Plan

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.

Additional Considerations

Check all that apply. Contact EH&S at 510-642-3073 or ehs@berkeley.edu for guidance.

- One or more of the following will be handled/transported: hazardous biological, chemical, or radioactive materials, pesticides, animals, or fireworks.
- Activities involve one of the following: ATVs, snowmobiles, 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 [University Auto Insurance Policy](#) 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 UC Berkeley [Office of Legal Affairs](#) or [Research Administration & Compliance](#) 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:

UCPD Emergency Number: (510) 642-3333
University Health Services (Tang Center): uhs.berkeley.edu
Faculty/Staff: (510) 642-6891 (Occupational Health).
Students: Access care via the online appointment system or the advice nurses at (510) 643-7197.
Office of Environment, Health & Safety (EH&S): ehs.berkeley.edu, (510) 642-3073 or ehs@berkeley.edu
Travel Insurance Emergency Number: (510) 289-8282 (Campus Risk Services) or (800) 527-0218 (United Healthcare - UC Travel Insurance)
Report injuries: Call EH&S at (510) 642-3073 and use the [Employer's Report of Injury](#). For non-paid students use: [Student Accident Report Form](#)

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. 	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. Heat exhaustion can progress to heat stroke.
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) 	Call 911 or seek medical help immediately. 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!

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Photos, Maps, Diagrams

Insert maps of approach route and detailed outcrop traverse routes, photos of general terrain and areas requiring extra caution, etc.



