	ld Activity:e Name:						
,,,,							
	Potential Hazard		Probability of Occurrence				Comments Issues-Mitigators-Scenarios
	Natural Environment	Α	В	С	D	Е	
1	Foul Weather: wind, rain, snow, lightning, flash flood						
2	Temperature Extremes (Hot/Cold)						
3	Strong Sunlight (including sunburn)						
1	Darkness/Low Light						
5	Uneven/Slippery Walking Surfaces		Н				
3	Sharp Objects—rocks, vegetation, coral		Н				
	Heights/Drop-offs (including high elevation)		Н				
	Falling Objects/Obstructions	+	$\vdash$				
	Tight Spaces/Narrow Openings/Overhangs						
	Toxic/Allergic Sources (vegetation, pollen)						
	Animals: insects, reptiles, mammals, other						
	·						
	Fire Hazard						
	Water/Current: streams, waves, tides, depth						
4	Smoke/Dust/Fog						
	Man-Made Environment (for Pedestrians)	A	В	С	D	Е	
	Vehicular Traffic: roads, railroads						
	Road Shoulders: space restrictions, visibility  Bridges		L				
	Fences & Gates						
	Utility Lines	+	⊢				
	Local Inhabitants: hunters, crowds/spectators	+	$\vdash$				
	Transportation (Auto, Boat, Air)	A	В	С	D	Е	
1	Vehicle Condition: safety equip, mech, tires, etc.						
2	Driver Qualifications: level of experience needed	+					
3	Route Conditions: roughness (inc. flat tires)						
	Route Conditions: traffic congestion		H				
	Route Conditions: winding, limited sight line	+					
	Pedestrians & Bicyclists	-					
	Intersections/Railroad Crossings	+	_				
	Human Factors / Participant Activities	A	В	С	D	Е	
	Exacerbation of Pre-Existing Physical/Medical						
9	Extended Immobility: time in auto, boat, air						
	Lack of Rest Stops/Facilities						
1	Fatigue/Dehydration						
	Hiking/Walking: distances, level of intensity, etc.						
	Separation of Individuals from Group		H				
	Individual Behaviors/Risk Acceptance						
	Lifting/Carrying						
6	Climbing						
	Use of Tools: hammers, chisels, heavy equipment						
	Digging/Trenching/Deploying equipment						
9	Swimming/Snorkeling/SCUBA/Boating						
	Equipment Failure						
_	Food Handling						
2	Language/Culture/Positional Differences						
3	Feelings of isolation on extended excursions						
	Other Factors	Α	В	С	D	Е	
4	Limited/Remote Medical Services						
	Limited Communications						
16	Regional/Political instability						

47 Additional Hazards identified by team?

## Field Activity Risk Assessment - Potential Hazards Register

	Include notes on local conditions:	What is the probability of: 1. an occurrence with serious consequences (levels I, II, or 2. many/frequent incidents with level IV consequences during a single session or s visit?	III), Notes on local issues, important safeguards to use, and scenarios to be assessed
		Comments Issues-Mitigators-Scenarios	
	Natural Environment	Criteria, Limits, Critical Factors to consider:	
1	Foul Weather Considerations – w	ind, rain, snow, lightning, flash flood: Local, upstream	Before & During activity
2	Temperature Extremes (Hot/Cold)	: Temperature (>30°C, <5°C), Wind, Humidity	Length of Exposure, Season/Day
3	Strong Sunlight (inc. sunburn): Se	erious sunburn, "snow" blindness, contributing factor to fatigue	Exposure length, surface albedo
4	Darkness/Low Light: Contributing	factor to other hazards that result in injury	Visibility, Fatigue, Weather
5	Uneven/Slippery Walking Surface	s: Slip, trip, or fall that results in injury	Cumulative Fatigue, Weather
6	Sharp Objects – rocks, coral, veg	etation: Contact or fall results in penetrating wound/scratched cornea	Visibility, Fatigue, Exact Route
7	Heights/Drop-offs (inc. high eleva	tion): Fall that results in free-fall drop of more than 2 m	Slope/softness of "landing" zone
8	Falling Objects/Obstructions: Spo	Season, freshness of outcrop	
9	Tight Spaces/Narrow Openings/C	overhangs: Results in impact or crushing injury, or panic/distress	Visibility, crowding,
10	Toxic/Allergic Sources (vegetation	Time of year, EMS access	
11	Animals – insects, reptiles, mamn	ors Time of year, local experience	
12	Fire Hazard: Hot vehicle exhaust	Access to site during fire bans	
13	Water/Current: Fall results in subi	Time of day/year, Hypothermia	
14	Smoke/Dust/Fog: Causes eye/thr	oat/nose injury, contributing factor to other hazards	Time of year/day
	Man-Made Environment (for Pe		
15	Vehicular Traffic – roads, railroads	s: Vehicle impacts participant, Group activity causes traffic hazard	Time of day/year
16	Road Shoulders – space restriction	ons, visibility: Vehicle impacts participant, Group activity causes traffic hazar	d
17	Bridges: Vehicle impacts participa	ant, Group activity causes traffic hazard	Sidewalk, width of shoulder
		able, crossing results in fall, impact, lacerations, penetrating wound	Property owner interactions
19	Utility Lines: Approach route or po	ortions of outcrop allow contact with power lines, resulting in injury	Alternate routes
20	Local Inhabitants (inc. hunters): G	Group provokes hazardous reaction from locals; distraction factor	Time of year/day
	Transportation (Auto, Boat, Air)		
21		tributing factor to accident/collision	Rental company, local experience
22	Driver Qualification/Experience fo	r location: Primary or contributing factor to accident/collision	Availability of local drivers
23	Route Conditions – roughness (in	c. flat tires): Rough enough to be contributing factor to accident/collision	Vehicle type, local drivers
24	Route Conditions – congestion: E cities	nough to be contributing factor to accident, esp. around airport and major	Time of day, Route selection
25	Route Conditions – winding, limite	Time of day, Route selection	
26	Pedestrians: Sufficiently numerou	s or common to be contributing factor to accident	Time of day, Route selection
27	Intersections/Railroad Crossings:	Hazardous/Unguarded/Confusing location contributes to accident	Time of day, Route selection
	Human Factors/Participant Acti	vities	
28	Pre-Existing Physical/Medical Ne	eds: Contributing factor to accident, acute episode of illness	Pre-trip participant information
29	Extended Immobility: Enough to b	Agenda/Travel planning	
30	Lack of Rest Stops/Facilities: Cor	ntributing factor to fatigue, accident	Pre-trip planning
31	Fatigue/Dehydration: Enough to b	Agenda, Time of year/day	
32	Hiking/Walking: Intensity, length,	duration, cumulative exertion sufficient to trigger illness, contribute to injury	Time of day/year, Weather
33	Separation of Individuals from Gro	Safety briefings, Read backs	
34	Individual Behaviors/Risk Accepta	Management letter, briefings	
35	Lifting/Carrying: Improper techniq	Gear selection, individual fitness	
36	Climbing: Requires use of both ha	ands to ascend/descend more than 2 m vertical, exposure to fall & injury	Weather, outcrop condition
37	Use of Tools & Heavy Equipment:	Required PPE	
38	Digging/Trenching/Deploying equ	OSHA rules for deep trenches	
39	Swimming/Snorkeling/SCUBA/Bo	Pre-trip screening, PFD policy	
40	Equipment Failure: Sufficiently cri	Pre-trip planning, inspections	
41			Training, Sanitation facilities
	Language/Culture/Positional Diffe	Pre-trip participant information; Safety briefings	
43	Feelings of isolation on extended	Pre-trip participant information	
	Other Factors		
		Consequence of injury/illness conslates due to remotoress	Pro trin plan communications
44	Limited/Remote Medical Services	. Consequence of injury/fillness escalates due to remoteness	Pre-trip plan, communications
44		quence of injury/illness escalates due to remoteness quence of injury/illness escalates due to delayed access to EMS assistance	Pre-trip planning, field checks
44 45		quence of injury/illness escalates due to delayed access to EMS assistance	