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| **Details** | | | |
| **Protocol Number:** | Enter Protocol number here. | | |
| **Protocol Title:** | Enter Protocol Title here. | | |
| **Principal Investigator(PI):** | Enter full name here. | | |
| **PI Phone Number** | Enter #. | | |
| **Date(s) of Activity** | From: Click or tap to enter a date. To: Click or tap to enter a date. | | |
| **Fieldwork Location:** | Enter Location here. | | |
| **Location Assessed By:** | Enter name here. | **Date Assessed:** | Click to enter a date. |
| **Description of Fieldwork:** Click or tap here to enter text. | | | |

**Acknowledgement of Participating Personnel** (add additional pages if necessary)**:**

I, the undersigned, have been trained on this risk assessment and understand the known or potential risks involved with participating in the protocol activities.

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| **Name(s):** | **Signature(s):** | **Date(s):** |
| Enter name. |  | Click to enter a date. |
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| **EHS Staff fill out this Box** |  |
| Person reviewing form: | Click or tap here to enter text. |
| Dates of approval: | From: Click or tap to enter a date. |
|  | To: Click or tap to enter a date. |

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| **Step 1 : Consider the Consequences** | **Step 2 : Consider the Likelihood** | | | **Step 3:Calculate the Risk** |
| What are the consequences of this incident occurring? Consider what could reasonably happen. Look at the descriptions and choose the most suitable consequence. | What is the likelihood of the consequence identified in step 1 happening? Consider this without new or interim controls in place. Look at the descriptions and choose the most suitable Likelihood. | | | 1. Take step 1 rating and select the correct column 2. Take Step 2 rating and select the correct line 3. The risk score is where the two rating cross on the matrix below. Add risk to chart.   **E = Extreme H= High M = Medium,**  **L = Low N = Negligible** |
| **Consequences** | **Likelihood** | | | **Risk Guide:** |
| **Consequence** | **Description** |  | **Description** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | | **CONSEQUENCES** | | | | | **Maj** | **Mod** | **Min** | **Ins** | | **STEP 2** | **A** | E | E | H | M | | **B** | E | H | M | M | | **C** | H | M | M | L | | **D** | M | M | L | N | |
| * **Major** | Death and extensive injuries | **A** | The event is expected to occur in most circumstances |
| * **Moderate** | Medical treatment | **B** | The event could occur at some time |
| * **Minor** | First aid treatment | **C** | The event could occur,  but only rarely |
| * **Insignificant** | No treatment | **D** | The event may occur,  but probably never will |

# STEP 1: IDENTIFY POTENTIAL AND EXISTING HAZARDS

Select applicable hazards and assess their individual risk as extreme, high, medium, low or negligible by using the risk assessment matrix provided above. Space has been provided to list additional Hazards.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Environmental Hazards** | | **Risk** | **Field Activity Hazards** | | **Risk** | **Other** | | **Risk** |
|  | **Hot environment** (High UV, heat stress, dehydration | Choose Risk |  | **Project animals** (bites, kicks, biological fluids, zoonotic diseases) | Choose Risk |  | **Communication Failure** | Choose Risk |
|  | **Cold Environment** (frost bite, Hypothermia) | Choose Risk |  | **Project Activities** (boating, swimming, climbing, all- terrain vehicles) | Choose Risk |  | **Transportation Accident/Failure** | Choose Risk |
|  | **River or Lake Crossing** | Choose Risk |  | **Capture/ Restraint equipment** (darts, guns, traps) | Choose Risk |  | **Participant injury/illness** | Choose Risk Level. |
|  | **Allergens** (pollen, poison ivy, wild parsnips) | Choose Risk |  | **Use or Storage of Hazardous Chemicals** (disinfectants, anaesthetics, medications) | Choose Risk |  | **Working Alone** | Choose Risk Level. |
|  | **Extreme Weather** (tornadoes, earthquakes) | Choose Risk |  | **Fatigue** (driving long hours) | Choose Risk |  | **Distance from emergency medical care** | Choose Risk |
|  | **Terrain** (wetlands, secluded areas, high cliffs, dense brush) | Choose Risk |  | **Hazardous equipment** (hammers, drills, etc.) | Choose Risk |  | **Violent Persons** | Choose Risk |
|  | **Vector-borne diseases** (West Nile virus, Lyme disease) | Choose Risk . |  | **Manual Work** (Lifting, pushing, pulling, digging) | Choose Risk |  | **Non-portable water and/or inedible food** | Choose Risk |
|  | **Bites and Stings** (ticks, leeches, spiders, bees) | Choose Risk |  | **Wildlife** (venomous snakes, scorpions, animal bites, Zoonotic diseases) | Choose Risk |  | **Fencing (wire, electric, high)** | Choose Risk |
|  | **Contaminated land or water** | Choose Risk |  | **Electofishing** | Choose Risk |  | **Large Animal Handling** | Choose Risk |

# Step 2: RISK CONTROL AND ACTIONS

For hazards identified in Step 1, please list appropriate controls to eliminate or lessen the risk to project personnel.

|  |  |  |
| --- | --- | --- |
| **Priority** | **Control** | **Example** |
| 1. | Eliminate | Removing the hazard. |
| 2. | Substitute | Replacing a hazardous process with a less hazardous one. |
| 3. | Isolation | Isolating the hazard from the person at risk. |
| 4. | Engineering | Redesign a process or piece of equipment to make it less hazardous. |
| 5. | Administrative | Adopting safe work practices and providing appropriate training and instruction. |

|  |  |  |
| --- | --- | --- |
| Hazard | Problem | Controls |
| EXAMPLE: Working in/near Water | Drowning | Provide appropriate safety equipment, work in pairs, report back to PI/Supervisor when task is completed |
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# Step 3: Overall Risk Assessment

Taking into account the hazards identified in Step 1 and the likelihood and consequences of the hazards, assess the overall risk of the field activity.

Negligible Risk

Low Risk

Medium Risk

High/Extreme Risk

Provide copies of risk assessment to all research staff. All participants must have the minimal level of skill, experience, training and physical fitness to safely perform the field activities. **All training must be documented.**

List Training here.

*This Risk Assessment is completed based on information provided on the referenced protocol. The Assessment does not identify each and every risk associated with this protocol.  The Principal Investigator (PI) has primary responsibility for overall health and safety for this protocol. If any changes effecting safety and health are made to this protocol, the PI is to contact the IACUC and ISU Environmental Health and Safety.*