**SAMPLE JOB HAZARD ASSESSMENT (JHA)**  
**ACTIVITY:** Rocket Netting / Waterfowl Banding/ Froggie Bottom NWR  

<table>
<thead>
<tr>
<th>PERSONAL PROTECTIVE EQUIPMENT REQUIRED:</th>
<th>QUALIFICATIONS, EXPERIENCE, OR TRAINING REQUIRED:</th>
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</thead>
<tbody>
<tr>
<td>☐ Head/Face</td>
<td>Training: Completed explosive training per assigned operation (rocket charges &amp; launch set up)</td>
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<tr>
<td>☐ Hearing</td>
<td>Review: USFWS 244 FW 1 – Explosives Safety</td>
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<tr>
<td>☐ Respiratory</td>
<td>Review: USFWS 244 FW 3 – Rocket Netting</td>
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<tr>
<td>☐ Hands</td>
<td>Review: Proper lifting techniques.</td>
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<td>☐ Feet</td>
<td>Training: Rocket netting personnel must have first aid &amp; CPR training.</td>
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<tr>
<td>☐ Body/Other</td>
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<td>Safety glasses.</td>
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<td>Ear plugs.</td>
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<tr>
<td>Gloves.</td>
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<td>Steel-toed boots.</td>
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<td>Use only an approved/listed galvanometer to check circuit continuity.</td>
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<thead>
<tr>
<th>BASIC JOB STEPS</th>
<th>HAZARDS</th>
<th>SAFE JOB PROCEDURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Break down to basic elements (such as remove, lift, carry, stop, apply, return, squeeze, weld, saw, walk, hold, grind, place, etc.). Describe what is done, not how it is done.</td>
<td>For each job step, state what accident could occur and/or what hazard is present. To determine this, ask yourself, “Can the person fall; overexert; be exposed to burns, fumes, rays, gas, etc.; hit against; be struck by; in contact with; be caught in, on, or between?”</td>
<td>State how each element of work should be performed to prevent the accident or avoid the hazard. What should the person do or not do? Be specific. What precautions should be taken? Ask yourself, “What can I do to eliminate, modify, guard, identify, or protect against the potential hazard or accident, including such things as how the worker stands, holds, uses, carries, dresses, etc.?”</td>
</tr>
<tr>
<td>I. baiting &amp; preparing capture area.</td>
<td>I. Strains and sprains from lifting bait &amp; traps</td>
<td>I. Review proper lifting techniques.</td>
</tr>
<tr>
<td>II. b. Load rockets @ banding sites the day before a shoot.</td>
<td>II. b. Vehicle traffic by refuge staff/seasonals/volunteers; general public; contractors; or illegal trespass passing in front of loaded rockets and accidental firing of rocket &amp; net.</td>
<td>II. b. No gate keys will be issued to any refuge visitor, such as, general public, contractors or researchers for access to an area where loaded rockets are present.</td>
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<tr>
<td>III. Communications</td>
<td>III. Lack of communications by banders, refuge staff, contractors, researchers, special use permittees, LE, and DLWMD staff could result in personnel/equipment passing in front of loaded rockets and accidental firing of rocket &amp; net.</td>
<td>III. Communications with refuge staff, contractors, researchers, special use permittees and LE: Those individuals using the refuge during banding operations are notified of loaded rocket locations in person or by email, radio, phone, or notice. Notice will be posted on office “Station News” bulletin board. The notification will indicate that the location will have loaded rockets for banding/netting operations until further notice. After firing or removal of unfired rockets, individuals will be notified again that the location no longer has loaded rockets.</td>
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**STATION:** __Froggie Bottom____ NWR.  
**DATE PREPARED:** October 20, 2010  
**PREPARED BY:** Rachel Larson, Refuge Manager  
**CERTIFIED BY:** Region __4___ Safety Office
### III. Communications

Communication with bunkhouse and quarters residence: A notice will be placed at the main entrance to each facility. The notification will indicate that the location will have loaded rockets for banding/netting operations until further notice. After firing or removal of unfired rockets, the notice will be removed indicating that rockets are no longer loaded.

### III. Communications with DLWMD/Froggie Bottom NWR staff: A phone call will be made to the administrative officer who will inform the rest of the staff. After firing or removal of unfired rockets, the administrative officer will be informed that the location no longer has loaded rockets. The administrative officer will then inform the rest of the staff.

### IV. Bird capture.

Contusion & bruises from handling birds. Muscle strains from lifting crates containing birds.

### IV. Bird banding.

Abrasions or cuts from handling birds and using banding tools.

### IV. Handling diseased birds.

### V. Exposure to birds.

### V. Bird banding.

Abrasions or cuts from handling birds and using banding tools.

### V. Exposure to birds.

### V. Bird banding.

Abrasions or cuts from handling birds and using banding tools.

### VI. Bird capture.

### VI. Bird banding.

Abrasions or cuts from handling birds and using banding tools.

### VI. Exposure to birds.

### VI. Bird capture.

### VI. Bird banding.

Abrasions or cuts from handling birds and using banding tools.

### VI. Exposure to birds.

### VI. Bird capture.

### VI. Bird banding.

Abrasions or cuts from handling birds and using banding tools.

### VII. Bird capture.

### VII. Bird banding.

Abrasions or cuts from handling birds and using banding tools.

### VII. Exposure to birds.

### VII. Injury from unplanned firing.

### VIII. Safety guidelines.

The Rocket Netter-in-Charge must maintain complete control of the blasting machine during rocket net operations.

### IX. Safety guidelines.

Safety guidelines must be followed to prevent personal injury during rocket net operations.

### X. Safety procedures.

Safety procedures must be followed to prevent personal injury during rocket net operations.

### X. Transport of explosives by vehicle.

Improper transport can result in injury or vehicle damage.

### X. Transportation of explosives, rocket net agents, and rocket net supplies on public highways will be in accordance with local and State regulations, as well as Federal regulations Title 49 CFR Parts 171-180, and Service Manual chapter 244 FW 1.