National Biological Assessment and Criteria Workshop

Advancing State and Tribal Programs



Coeur d'Alene, Idaho 31 March – 4 April, 2003

Section 5: Logistics & Safety on Large Rivers

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LR 101

Logistics







Safety





General Field Safety



Heavy equipment
Ask for help
Lift properly
Watch for others
Keep equipment balanced in the boat

Transportation of Equipment to, in, and along the river can present a substantial logistical challenge and safety hazard





Navigating debris to access reach

General Field Safety

Field attire

- If hot
 - Protect from sun, dehydration, and heat exhaustion
 - No open-toed shoes
 - Choose long pants over shorts
 - If wading is required, consider waders
- If cold
 - Protect from hypothermia and frost bite

General Field Safety

Eye protection

UV rays, abrasions, chemical hazards, polarized

Hearing protection Chronic Exposure Boat motors, generators Communication 2-way among crew, cell phones **Electrical Shock**



Electrofishing is inherently "dangerous"! Secure proper training and follow and enforce safety precautions.

> Hearing Protection (Chronic Exposure) Hat

Lineman Gloves

Life Jacket

Safety Railing

Insulated Boots (Waders) Polarized Sunglasses Safety Vest

Chemical Safety

Formalin Ethanol Gasoline **Explosion hazard** Liquid nitrogen Material Safety Data **Sheets**







Safety on the Road

- Wear safety belts
 Consider defensive driving course
 Hauling equipment and towing a boat – Inspect hitch and trailer daily
 - Do not exceed capacity of truck or trailer
 - Reduce driving speeds
 - Check tie-downs



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Safety on the Water

Boating safety

- rules and regulations
- be familiar with hazards
- redundant training
- don't overload the boat
- maintain equipment
- required equipment
- training, training, training





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Safety on the Water - Training

- Operation of watercraft
- Maintenance of watrcraft
- Safety training
 - Drowning
 - Storms
 - Boat rescues

CPR

- Heimlich maneuver
- First Aid
 - Cuts and bleeding
 - Bruises
 - Puncture wounds
 - Heat emergencies
 - Heat cramps
 - Heat exhaustion
 - Heat stroke
 - Hypothermia
 - Frost bite



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