

INCIDENT RISK ANALYSIS (215a)

GRP	HAZARDOUS ACTIONS OR CONDITIONS	MITIGATIONS/WARNINGS/REMEDIES
All	Transportation Issues	All 15 person vans shall have a maximum speed limit of 55mph. Drive defensively, wear seatbelts, always enter or exit vans curbside. Drivers become familiar with the 15 person van handling characteristics. Many local highways have 70 mph speed limit, merging, turns, entering, and exiting from country roads very hazardous, watch for narrow shoulders. Post DOT warning signs as appropriate.
All	Travel 1 hour + / Winter Driving / Parking / Driving on dirt roads	Watch out for Black Ice, Slippery roads associated with wet rainy conditions. Make sure drivers are rested and not overly fatigued. Rain will cause very slippery road conditions, use caution in off pavement parking, soil is very soft, not recommended.
All	Communications	Strictly follow Operational guidelines for radio traffic, extreme danger associated with radio transmissions and pyrotechnic material from the shuttle (radio or cell phone transmission 50Ft back into a cleared area only). Perform 0830 communications check.
All	Feral Hogs / Cattle	Hogs can be very aggressive, Sows with piglets especially aggressive, if you encounter stand very still, or climb a tree. Signs include rooted up soil, inform adjacent crews. Cattle can be aggressive; don't get between cows with calves.
All	Walking / Working in the Forested Areas, heavy thick under story, thorns, sticker bushes, and poison ivy .	Watch for slippery muddy conditions, be aware of tripping hazards, stump holes, stream banks. Cross streams only after assessing width, depth, avoid if possible. Required PPE; Boots either rubber or leather, minimum 8 inch top, long sleeve shirt, long pants, hardhat, leather gloves, latex gloves, and safety glasses. One of several varieties of chaps or heavy work jeans (double reinforced)are strongly recommended. Military BDU style pants are available in supply. Water resistant boots are being furnished.
All	Eye Protection	Mandatory, all field going personnel will wear prescription, sun or safety glasses while searching / gridding in the field at all times.
All	Private Property / Residences /Powerlines	Be alert to hazards associated with residential development, septic tanks, electrical wires and associated debris. Avoid dogs, livestock, if possible. If property owners are not cooperating, back out immediately. Drug Labs, dumps, and garbage piles, stay out. Watch for barbed wire, and electrical fences, use extreme caution, <u>no</u> climbing tall game fences.
All	Snakes, Fire Ants, Wasps, Black Widows, Ticks, Brown Recluse Spiders, Scorpions	Copperheads, Cottonmouths, Coral snakes, Rattle Snakes are out, Watch Out, alert all other crews of their presence. Chaps, preferably "snake chap" are to be used as a preventative measure. Watch where you sit for lunch or breaks.
All	Snags/Widow Makers	Check/ scout out areas before crews enter, Look Up, Look Down Look Around. Flag unsafe areas. Remove crews from wooded areas during periods of high winds
Columbia Shuttle Recovery Palestine		DATE PREPARED: March 16, 2003 TIME PREPARED: 1730 HOURS
		OPERATIONAL PERIOD: DAY 3/17/03

Prepared By Safety Officer:
ICS 215a Revised 7-98

APPROVED BY SAFETY OFFICER: /s/ Joy Augustine

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All	Hazardous Materials: Associated with Shuttle Recovery	Contamination from hazardous material must be reported immediately to your supervisor, Division, Medical unit and to Safety. Obtain appropriate medical help as needed.
All	Stored Energy: High –pressure tanks and cylinders, landing gears and tires.	Do not go near, back out immediately Notify Recovery team immediately, flag and keep out.
All	Fuel: Monomethyl Hydrazine: Clear liquid stored in tanks, strong fishy odor.	Do not go near, back out immediately Notify Recovery team immediately, flag and keep out.
All	Fuel: Dinitrogen Tetroxide, greenish liquid or brownish vapor, stored in tanks, bleach like odor	Do not go near, back out immediately Notify Recovery team immediately, flag and keep out.
All	Ammonia: Clear liquid, stored in tanks, very strong ammonia smell	Do not go near, back out immediately Notify Recovery team immediately, flag and keep out.
All	Pyrotechnic Devices: Landing gear, window frames, crew seats, hatches and antennae.	Do not go near, back out immediately Notify Recovery team immediately, flag and keep out.
All	Biological Material: Although not specifically hazardous, notify the EPA/START team leader immediately when encountering biological material.	Do not go near, back out immediately Notify Recovery team immediately, flag and keep out.
All	Any machined part could be part of the pyrotechnic material	Do not go near, back out immediately Notify Recovery team immediately, flag and keep out.
All	Small material, non-hazardous pieces	Use latex or leather gloves when picking up this material.
All	Alligators	Yes they are here, any area with standing could have some, stay far away, <u>absolutely no feeding</u> alert adjacent crews
All	Lightning	Take shelter in building or vehicle if possible; If outdoors, find a low spot away from tall trees, wire fences, utility lines and other elevated conductive objects; In the woods, move to an area of shorter trees. Incident Pocket Response Guide (pg 40)
All	Sleeping Area Considerations and Emergency Exits	Contact Base Camp Manager for sleeping area assignment; Emergency Exit Maps are posted around ICP. Emergency Exits are illuminated. Fire extinguishers are located throughout ICP.
All	Health & Sanitation	Avoid spread of viruses by washing hands frequently (before eating, after rest room use, etc.); contact Medical Unit for treatment at first sign of contracting cold or flu-like symptoms.
All	Drinking Water	Obtain drinking water only from approved potable sources. Use bottled water for drinking. Do not drink from creeks or streams.
All	Extreme Weather Events	Forecasted extreme weather events(Tornado, Thunder Storms, High Winds, Ice Storms) will be broadcast on command net, requiring check-backs.
All	Needles, Syringes or Sharps	If search teams encounter sharps they are mark the area with a flag and notify EPA. EPA Recovery Teams will collect all sharps and dispose of them in designated medical bio-waste containers. Searchers should not pick up this material. If incident personnel are scratched or poked they should seek medical attention immediately.
All	All Terrain Vehicles	Must be Licensed for ATVs, helmets must be worn.
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PREPARED BY Safety Officer:		OPERATIONAL PERIOD DAY 3/17/03
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INCIDENT NAME Columbia Shuttle Recovery Palestine		DATE PREPARED	OPERATIONAL PERIOD
		TIME PREPARED 1600	
PREPARED BY Safety Officer:		APPROVED BY SAFETY OFFICER: /s/	

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