

### Appendix 3: List of recommended safety equipment to bring in a field vehicle

#### Papers and Permits

- Accident Report Packet
  - [Oregon Department of Motor Vehicles \(DMV\) Traffic Accident and Insurance Report form](#) (subject to accident criteria on the top of the form)
  - PSU insurance information - please contact Risk Management ([johansed@pdx.edu](mailto:johansed@pdx.edu)) for this information
  - [Witness Cards](#) - two in each packet
  - [Accident Information Form](#)
- Copies of drivers' licenses, certifications, or driver authorization forms (if applicable)
- Vehicle decals (even better with QR code that links to information about the researcher/project!)
- Multiple copies of research permits and/or letters on institution letterhead from department chair or faculty supervisor explaining research
- Paper maps, saved images from Google Earth, directions, GPS coordinates of sites and field lodging
- Vehicle repair manual

#### Vehicle Repair & Tow Equipment (***Make sure you are trained in how to use this equipment!***)

- Jumper cables
- Car battery charger
- Spare tire (check to make sure it is inflated, useable)
- Roadside emergency flares
- Tire changing supplies:
  - Tire gauge
  - Car jack
  - Tire iron
- Towing supplies for getting unstuck from mud or snow (don't forget instructions):
  - Rope
  - Winch
  - recovery tracks (MAXTRAX or similar)
  - snow chains
  - shovel
  - road salt, sand, or kitty litter (the non-clumping kind!).

#### Communication Equipment

- Charged cell phone, charger and connection cables
- Satellite phone and/or emergency beacon if traveling to an area with poor cellular service
- Shortwave-NOAA weather radio
- Waterproof bag for storing all electronic equipment

### First Aid & Safety Equipment

- Flashlights, headlamps, and LED lanterns
- Basic toolkit containing:
  - Pliers
  - Screwdrivers
  - Hex wrenches,
  - Vice clamps
  - Hammer
  - Duct tape
  - Super glue
  - Bungee cords
  - Zip ties
  - Large plastic bags
- Personal protective equipment:
  - Nitrile gloves
  - Safety glasses
  - Reflective vests
  - Whistles
  - High visibility ribbon roll/flagging tape
- Fire extinguisher or bucket of sand (for work in dry vegetation with any type of ignition source/spark)
- Space blanket, sleeping bag, and/or extra dry clothing
- Extra first aid kit
- Sunglasses and sunscreen
- Pocket knife

### For VERY remote field trips

- Spare fuel
- Car oil
- Lots of extra water and water treatment kits
- Windshield washer fluid
- Hatchet or hand saw
- Spare batteries for communication devices (e.g., phone, satellite phone)

### Boat Safety Equipment

- Spare oars or paddles
- Spare life vests
- Visual signaling devices (light flares, smoke, strobe lights, white flags)
- Sound signaling device (horn, whistle, etc.)
- Bailing bucket
- Anchor and line
- VHF radio