



## MANDATORY EQUIPMENT LIST - GEOQUEST

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As a competitor in the Mountain Designs GeoQuest, you and your team are required to carry a number of mandatory equipment items with you. The mandatory equipment is divided into two categories, equipment you and your team must carry at ALL times, and equipment you and your team must carry during a specific DISCIPLINE. It is not a list of what you should take, just the mandatory items that you must take for injury and short term survival purposes. You are responsible entirely for carrying the appropriate equipment and clothing for the climate, conditions and activities. Checks of mandatory equipment will occur during the race and missing equipment may result in penalties or disqualification as per the race rules.

### PROHIBITED ITEMS/ EQUIPMENT

1. Any GPS device. Includes devices that show your position, display maps, distance travelled etc (excludes trackers provided by the organisers).
2. Distance measuring devices. Includes foot pod accelerometers, pedometers etc (cycle computers exempt)
3. Mobile phones, radios, other communications or internet access devices etc (excluding the compulsory emergency phone sealed prior to the race).
4. Maps other than those provided by the organisers (specifically from race start to crossing the finish line. i.e. you may use other maps and information sources for research purposes prior to the start)

#### Exemptions

If a competitor wishes, for example for post race performance analysis, to carry such a device as outlined in points 1,2, they must register it, including any separate display devices (e.g. watches) at HQ and have it sealed in a tamper proof bag prior to the start. Officials will check the bag is intact at the finish line.

#### General Notes

1. Once your equipment has been approved at the pre-race equipment checks, it may not be substituted for another piece of equipment without an inspection and approval by the equipment check official.
2. "On Person" items must be carried by each team member at all times. "On Team" items may be spread out amongst team members. These will be checked.
3. Specific permitted items include altimeters and cycle computers without GPS.
4. Any mountain bike towing systems must have a quick release system to reduce the risk of accidents.
5. Manufacturers tags must be left on equipment so officials may inspect the technical specifications.
6. Successful teams carry not the lightest equipment, but that most suited to the course/weather.
7. For the Geo-Half only, kayaks, paddles and PFDs will be provided. Geo-Half competitors will need to provide other miscellaneous kayaking items on the list below. Geo-Half are permitted to use their own paddles and PFDs if they choose.

#### Abbreviations

- PP - means Per Person. That item is required by each person in the team.
- PB - means Per Boat. That item is required in each boat/kayak the team has.
- QTY - means Quantity. The quantity is left to team decision, though minimum is ONE.

ALL TIMES - ON PERSON		
Item	Quantity	Description
Whistle	1x PP	Pea less so still functional in wet conditions and easily reachable at all times.
Headlamp/ Torch	1x PP	Functional and water resistant, with sufficient qty of batteries. This item is classed as an On Team item during daylight hours.
Official Race Bib	1x PP	The official race bib must be worn at all times as the outermost garment. Vest/packs must not be worn covering the front of the bib.
ALL TIMES - ON TEAM		
All Weather Jacket	1x PP	Jacket must be waterproof, windproof, breathable as specified by the manufacturer. Jacket must have hood, be tape sealed and be suitable for potentially extreme conditions in an adventure race. Jackets with an ePTFE membrane recommended (i.e. Gore-Tex or eVENT). Nylon with PU coating not recommended.
Long sleeve top	1x PP	This first layer garments must be of a thermal material e.g. polypropylene or wool, not cotton. Only one long sleeve top is required, whether it is in your pack or you are wearing it.
Long pant bottom	1x PP	See note above.
Balaclava or beanie	1x PP	Polypro, wool or fleece is required, not cotton (Bufs are permitted)
First Aid Kit	1	minimum contents must include: - 3x crepe/stretching bandage (min 7.5cm x min 2.3m unstretched). - 1x triangular bandage - 2x sterile dressing - roll of strapping tape (sufficient tape to strap an ankle for example). - strong antihistamine tablets (e.g. Phenergan or Polaramine) (taken for allergic reactions)
Survival or space blanket	1x PP	Silver foil type. Enclosed bag style recommended. Must be in serviceable and usable condition. (check this before you race as they deteriorate over time).
Water bottle/ bladder	qty	Ensure that water containers don't leak. Water requirements will differ from person to person, but it is recommended that a minimum of 2-4 litres is carried by each person starting each leg.
Compass	2	Must be "proper" southern hemisphere navigational compasses (zone 5) such as a Silva or Suunto etc. Not e.g. integrated into a watch.
Pocket knife	1	Minimum 2 inch blade, sharp enough to cut rope or webbing in an emergency. When kayaking it must be easily reachable at all times.
Trowel or small shovel	1	Required for burial of human waste. Must be capable of digging 15cm deep hole. Spoons NOT acceptable. Qty of biodegradable toilet paper recommended.
Mobile Phone	1	Waterproofed and with fully charged batteries and turned off during the race. Ensure any pin numbers accessible to all team members. Must be on the Telstra NextG network (this will be checked).
Course booklet, maps, control card	qty	Course booklet and map of the area you are in must be carried at all times. Control cards will be issued before each leg/start of race. Maps covering previous or later sections of the course do not need to be carried.
GPS Tracker	1	Provided by the organisers. Must be carried as specified by officials at all times.
Recommended	Optional	Other appropriate clothing and footwear, hat, backpack, food, water, appropriate glasses/ eyewear, waterproof map case/ contact, sunscreen, insulation mats, plastic bags to waterproof equipment, marker pens, matches, wristwatches, Paracetamol, kitchen sink, duct tape.

**MOUNTAIN BIKE DISCIPLINE - ON PERSON**

Item	Quantity	Description
Mountain bike	1x PP	Appropriate for rugged trails and long distances.
Helmet	1x PP	Australian Standard (AS) approved or international equivalent.
White front light	1x PP	Illuminated at all times at night.
Rear red light	1x PP	Illuminated at all times at night.
Recommended Team	Optional	Repair kit, bike computers, gloves, additional spare tubes, patches, chain breaker and spare link, map board, tyre levers, pump, spare batteries, spare rear lights.

**KAYAKING DISCIPLINE - ON PERSON**

Item	Quantity	Description
PFD (Personal Flotation Device)	1x PP	PFD type 2 or 3 Australian Standard or international equivalent. (provided for Geo-Half)
Whistle	1x PP	Attached to PFD, pea less so still functional in wet conditions.
Paddle	1x PP	
Footwear	1x PP	Footwear must be worn at all times when kayaking.
Glow stick	qty	100mm glow stick in a highly visible position at all times (i.e. shoulder position). Attached securely to PFD (cable ties are a good way to do this) day and night. Glow stick is to be glowing when dark. Multiple sticks may be required. Green and red not permitted so as to avoid confusion with navigation lights. Extras recommended in case a stick is faulty. <i>[**Guaranteed available for purchase \$1.50 each at registration desk if you choose.]</i>
Helmet	1x PP	Must be worn in ocean kayaking or white water kayaking legs ONLY. Not required for flat river legs. Bike or climbing helmet permitted.

**KAYAKING DISCIPLINE - PER BOAT/KAYAK**

Sea kayak or surf ski	qty	Single or double seaworthy sea kayak/ or sit on top sea kayak/ or surf ski, with seating for each team member. The definition of a sea kayak for this event is whether the manufacturer specifies/ advertises the craft as a sea kayak. (kayak provided for Geo-Half).
Buoyancy		Boat must remain afloat if totally swamped. Watertight bulkheads or fixed buoyancy recommended. Skis must not leak! (Not applicable for Geo-Half).
Throw bag or tow rope	1x PB	15 metres in length, rope must float, and it must be secured to boat and easily reachable at all times. Available commercially or make your own.
Fixed/ removable water pump	1x PB	Must be functional and be fixed or secured to boat and in easily accessible position. (not required for skis, sit on tops or the Geo-Half)
Bailer	1x PB	Backup bailing device, must be in easily accessible position. (not required for skis, sit on tops or the Geo-Half)
Glow stick	qty	Qty 100mm glow stick fixed to rear deck of each boat in a highly visible position at all times, day and night. Stick is to be broken and glowing when dark. Multiple sticks may be required. Green and red not permitted so as to avoid confusion with navigation lights. Extras recommended in case a stick is faulty. <i>[**Guaranteed available for purchase \$1.50 each at registration desk if you choose.]</i>
Recommended Team	Optional	Dry bags, spray jackets/CAG, carabiners for towing/rescue, wetsuits depending on the conditions, reflective patches on your equipment.