

Risk Assessment and Audit Madagascar 2024

Risks when travelling – Completed by...... Date......

(Key: H=High, M=Medium, L=Low)

Risk	Likelihood	Severity	Mitigation and Assessment Measures	Assessment Method	Compliancy (Action to be taken if not compliant)
Travellers stomach problems	L	M	Ensure only bottle water is drunk. Do not clean teeth in tap water.		
			Method: Check this is included in pre-arrival briefing material sent to students and reiterated by staff members assisting with transfers		
Mosquitobitesleadingtomalariaor	L	M	All participants to be instructed to cover up in the early morning and late afternoons, sleep under mosquito nets in areas		
dengue fever			wheretheinsectpopulationsarehighandwearinsectrepellent.lftaking anti-malarialtablets thenparticipantsadvisedto		
			completefullcourse.Allparticipantsto bewarned of specifics of eachdiseaseandsymptomstolook out for.		
			Method: Check this is included in pre-arrival briefing material sent to students and reiterated by staff members assisting with transfers		
Theft, mugging, violence & personal	L	L	Participantswillstayinahotelwhilstinthecityandwillbebriefedonhowtoreducetherisks. Valuables should remain		
security			"off display" at all times, and participants should not walkoutaloneat nightandavoid remote areas of the city.		
			Participantswillbebriefedon ensuring they lock their room doors overnight and when they leave the		
			room.		
			Method: Check this is included in pre-arrival briefing material sent to students and reiterated by staff members assisting with transfers		
Dehydration	М	M	All participants are informed that dehydration is a significant risk at all times when in the expedition country. They should be all the country of the co		
			informed that they should drink 2 litres of waterper day. For any treks, participants should carry sufficient water supplies for		
			the duration of the trek and the trek leader should stop regularly to restand check for signs of dehydration.		
			Method: Check this is included in pre-arrival briefing material sent to students and reiterated by staff members assisting with transfers		
Being injured from traffic	L	M	All participants told of dangers of the busy city roads. Everyone should walk on sidewalk rather than road.		
astundated: 10th September 2023	<u> </u>		Onwall Rick Assessment and Audit Madagascar 2024	1	

		Method: Check this is included in pre-arrival briefing material sent to students and reiterated by staff	
		members assisting with transfers	

### Transfers & vehicles: Cars, buses, trucks — Completed by................. Date..............

Risk	Likelihood	Severity	Mitigation measures	Observation or	Compliancy (Action to be
				Interview	taken if not compliant)
Lack of management control increases risks of	L	M	Ensure there is an English-speaking transfer supervisor for each journey. This person should have a mobilephoneandbe		
collision or other incident			abletocontacteachofthedriverstravellingonany transfer. They should also ensure the drivers are always briefed (see		
			$below), and that \ vehicles travel in convoy with at least one transfer supervisor per group of vehicles.$		
			Method: Interview person in charge of supervising transfers		
Vehicles attacked	L	Н	Travel to take place on main roads wherever possible and always in convoy with an English-		
			speaking supervisor with a mobile phone to contact each of the drivers.		
			Method: Interview person in charge of supervising transfers		
Passengers becoming sunburned on during the	M	M	All participants sitting outside in the back of the trucks or on boats to be told to use sunblock.		
journey					
			Method: Interview person in charge of supervising transfers		
Participants unprepared for length of	L	M	Ensure transfer briefing is given before any transfer. This should include as a minimum: The length		
journey or relevant risks			of the journey, the approximate times of any breaks, what to expect during breaks in terms of		
			relevant risks and where is "off limits" (e.g. browsing other shops or leaving without telling a chaperone).		
			Method: Interview person in charge of supervising transfers		
Lack of insurance	L	L	Ensure supplier holds relevant motor insurance. This is a contract requirement.		
			Method: Check with Ecotours		

Inexperienced driver increasing risk of accident	L	Н	Ensure driver has more than 3 years' relevant experience.  Method: Check with Ecotours	
Driver fatigue	L	M	Ensurethereisaseconddriverifthejourneyislongerthan10hoursonanygivenday.  Method: Check with Ecotours	
Driver unaware of safety requirements	L	M	Ensurethedriverhas committedtomeettheirobligationto complywithnationalvehicle regulations relevant to the journey e.g. for licensing, speed limits, weight of vehicle, number of passengers etc. and have been briefed on our safety requirements (see below). This is a contract requirement.  Method: Check with Ecotours	
Tyres notable to supportemergency braking	L	H	Ensurethateachtyrehasvisibletreadinthecentralpartofthetyreallthewayround, and that there are no clear irregularities such as bulges.  Method: Check with Ecotours	
Lack of comfort on journey	M	L	Ensure that all passengers have a seat (not including floor space) if the journey is longer than 1 hour. Ensure that luggage is stored in a separate area of the vehicle or does not prevent passengers from being in a comfortable sitting position on journeys longer than 1 hour.  Method: Interview person in charge of supervising transfers	
Participants becoming lost during travel	L	Н	If using multiple vehicles, ensure that they travel in convoy or there is one transfer supervisor (who has a mobile phone and can contact each of the drivers) per group of vehicles.  Method: Interview person in charge of supervising transfers	
Driver not following safety requirements	L	Н	Ensure that the driver drives carefully and within the speed limit, does not use their phone whilst driving, and stops at least once every 4 hours in order to prevent fatigue.  Method: Interview person in charge of supervising transfers	
Other risks associated with travel by pick-up trucks	М	M	Ifparticipantsaretravellinginthebedofapick-uptruck, ensure that they are all able to sit in the bed and not on the edge.  Ensure that all participants are told not to sit on the edge, and not to stand during transit. Ensure that the tailgate locks securely, and that participants know not to touch it during transit. Ensure that pick-up trucks carrying passengers never exceed 50kmp/h.  Method: Interview person in charge of supervising transfers	

# Transfers and vehicles: boats – Completed by...... Date..........

Risk	Likelihood	Severity	Mitigation measures	Observation or Interview	Compliancy (Action to be taken if not compliant)
Lack of management control increases risks of	L	M	All journeys to be accompanied by a transfer manager who should make sure that the vessel is not overloaded, and		
incidents			thatallparticipantsarefullybriefedonwheretheycan travelor sit within the boat, location of lifejackets and to ilets (if		
			any), and expected journey time.		
			Method: Interview person in charge of supervising transfers		
Vessel sinking or capsizing	L	Н	Allboatsusedfortransportationtoberegisteredwiththerelevantportauthorities. Captainto have method for		
			communication with rescue services. Lifejackets to be available for all participants (except on dive or		
			snorkel trips). Passenger boats to have radio communications or mobile phone		
			communications with the shore.		
			Method: Interview person in charge of supervising transfers		
Passengers suffering sunburn, dehydration or	M	M	Transfer manager to make sure that sufficient drinking water is available, and that participants are		
heat-stroke			told to wear sun block if outside.		
			Method: Interview person in charge of supervising transfers		
Passengers suffering sea sickness	M	L	Participantstobeadvisedtobringtravelsicknessmedicationandremindedtotakeit, if desired, prior to		
			the journey.		
			Method: Check this is included in pre-arrival briefing material sent to students and reiterated by staff members assisting with transfers		
Fallingwhilstboardingorwhilst	L	L	Participantstobeadvisedtoboardonepersonatatime.lfusingagang plank,ensurethatthereisan optionforparticipantsto		
travelling			boardwithouttheirluggageanditbepassed to themoncethey are on board. All volunteers are instructed to stay		
			seated whilstboats are moving.		
			Method: Interview person in charge of supervising transfers		

## Water margins — Completed by ...... Date ......

Risk	Likelihood	Severity	Mitigation measures	Observation or Interview	Compliancy (Action to be taken if not compliant)
Inappropriate supervision	L	Н	Complete assessment pro-forma to establish level of supervision required		
			Method: Interview site manager		
River crossings	L	M	Do not enter water where the current/flow could cause the participant to be moved to a deeper or more dangerous area of		
			the water. Staff member to enter first in order to test the depth and terrain under the water. Any slippery sections		
			should be highlighted. Use a rope if appropriate over sustained slippery terrain.		
			Method: Check with site manager that this has been done on all transects being used by groups		
Beach/lakeside activities (including leisure time on	L	Н	Ensureappropriatesupervisionisinplace(seepro-forma). Donotenterwaterifthere are strong tides or current that could		
the beach)			causeparticipants to be drawn out to sea or to a dangerous area (e.g. rocks or coral). Give a safety briefing to highlight any out-of-bounds areas.		
			Method: Check with site manager that this was included in welcome briefing		
Swimming pools	L	Н	Ensure participants are told never to use the Nosy Lodge pool alone. Brief participants on any slippery areas around the pool and on any banned activities e.g. diving in the shallow end.		
			Method: Check with site manager that this was included in welcome briefing		

### Terrestrial risks — Completed by......Date.....

Risk	Likelihood	Severity	Mitigation measures	Observation or Interview	Compliancy (Action to be taken if not compliant)
Participant becoming lost	L	H	All groups must sign out when leaving the campusing white board system and if the group does not return on time then		
			contactwill beattempted with the group and if this is not possible as earch and rescue team will be organised. No		
			participanttoleavethe camp site area unaccompanied.		
			Method: Direct observation of white board sign out/in, and check that groups have been briefed		
Safety and security of participants and personal	L	Н	Valuables should not be left lying around. Guards or Opwall staff members will always be present in the		
belongings			terrestrial camps.		
			Method: Check with site manager that this was included in welcome briefing		
Participantspoorlyequippedorwithalack of fitness	L	M	Participantsarefullybriefedpriortothestartofanywalksandchecktheyhavetheappropriate equipment with them.		
to cope adequately with the forest conditions			New participants will be watched carefully for signs of exhaustion and to adjust the distances covered		
			according to the fitness levels.		
			Training sessions given to students prior to expedition to ensure they are fully prepared for conditions on site.		
			Method: Interview project leaders to check that this information is included in their briefings		
Lack of hygiene increasing risk of	L	M	Hands should be washed regularly before eating using hand washing facilities provided on site. Kitchenfacilities whilst		
disease			onsiteshouldbekeptcleanandfoodcategories (eg meats, vegetables etc.) are prepared separately. All tables onsite		
			are cleaned with bleach at least once a day and dishwashing bucket water changed frequently.		
			Method: Direct observation		
Allergic reaction to food	М	Н	All participants to submit dietary and allergy information prior to the expedition. Where		
			Allergies are serious (eg severe nut allergies), no trigger foods to be prepared or served whilst the relevant		
			participant is on-site (eg a total nut ban).		

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			Method: Interview site manager	
Medical problem for participant	M	М	Allmedicaldetailsareprovidedbyallparticipantsbeforetheexpeditionandreviewed bycountry managerandexpedition	
			medics. Medical staffalways available during the expedition or always within proximity of medical facilities.	
			Sites have adequate medical supplies for stabilising any patients needing to be transferred to a hospital.	
			2. 3	
			Method: Interview site manager and check first aid kit.	
Dehydration	Н	H	Students to be briefed on importance of drinking water often. Rehydration salts to be available on	
			site.	
			Method: Check that welcome briefing includes information on dehydration and check first aid kit	
Need for emergency evacuation	L	H	Vehicles always available for emergency evacuation from field sites. Full evacuation plans in place	
			for extraction to local medical facilities.	
			Method: Direct observation of vehicles on site and evacuation plans posted	
Trippingorfallingincamporintheforest	M	H	Allvolunteerstobegivenafullsafetybriefingandtourofthecamponarrivalwhichwill	
			Include advice on taking care in slippery areas such as the shower, and always watching your footing around the camp	
			and in the forest, particularly at night.	
			Method: Interview site manager	
Attack by animal	L	Н	Potential dangerous animals are the fossa, wild boar and crocodile. All participants to	
			Travel in groups in the forest and keep safe distances from large water bodies that could contain crocodiles. Chance of	
			this type of incident is extremely low.	
			Method: Interview site manager	
Reaction or disease from insect, arachnid or scorpion	L	M	Participants with strong reactions to insect/arachnid bites identified prior to expeditions and	
sting/bite			instructed to carry epi-pens with them. Participants to wear long trousers and closed-toed footwear	
			whilstinforestedareasandlonggrass.	
			Method: Interview site manager	
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Local fauna and flora	M	M	Trek leaders to walk at front of group and identify any major insect hives and ensure Groups avoid these areas. All participants should check their shoes before putting them on. Participants will be briefed on any risks from flora or fauna.  Method: Check with site manager that this was included in welcome briefing	
Fire	L	VH	Smoking is not permitted anywhere inside the forest except in designated areas. All Participants should be fully briefed on this regulation and are trained in evacuation procedures. No smoking allowed in any tent, hammock, building or local houses.  Method: Check with site manager that this was included in welcome briefing	
Injury or illness working on auxiliary boats	L	H	Allvolunteersshouldwearlifevestswhentravellinginauxiliaryboats. Allvolunteers must be accompanied by a guide and staff member. Maximum capacity must be adhered to and volunteers must enter and exit the boats one at a time. Volunteers must stay clear of the engine area of the boat.  Method: Interview site manager	
Inappropriate consumption of alcohol	Ĺ	Н	No alcohol to be consumed by any participants under the age of 18 years old. No surveys or activities to be carried out under the influence of alcohol.  Method: Check with site manager that this was included in the welcome briefing	

Mangrove risks — Completed by......Date.....

Risk	Likelihood	Severity		Compliancy (Action to be taken if not compliant)
Dehydration	H		Students to be briefed on importance of drinking water often. Rehydration salts to be available on site.  Method: Check that welcome briefing includes information on dehydration and check first aid kit	· · · · · · ·

Participantspoorlyequippedorwitha lack of fitness	L	M	Participantsarefullybriefedprioratthestartto checktheyhavetheappropriate equipment with them. New participants	
to cope adequately with conditions			will be watched carefully for signs of exhaustion	
			Method: Interview group leaders to check that this information is included in their briefings	
Tripping orfalling	M	Н	Allvolunteerstobegivenafullsafetybriefing before activity.	
FF 3 3			Include advice on taking care in slippery areas, and always watching your footing for roots and pneumatophores.	
			Method: Interview site manager	
Attack by animal	L	H	A potentially dangerous animal in the mangroves is the crocodile. All participants to	
			travel in groups to site and maintain vigilance. Guides are to check the area of mangrove replantation site before students enter and must patrol perimeters throughout the activity. If a crocodile is sited during preliminary checks, the site must not	
			be entered. If a crocodile is sited during the activity, survey leaders instruct volunteers to evacuate the area.	
			Method: Interview site manager	
Reaction or disease from insect, arachnid or scorpion	L	M	Participants with strong reactions to insect/arachnid bites identified prior to expeditions and	
sting/bite			instructed to carry epi-pens with them.	
			Method: Interview site manager	
Local fauna and flora	M	M	Trek leaders to walk at front of group and identify any major insect hives and ensure	
			Groups avoid these areas. Participants must wear sandals with straps and a strong sole to mitigate risk of sharp roots	
			injuring feet.	
			Method: Check with group leader that this was included in briefing	
Injury or illness working on auxiliary boats		Н	Allvolunteerschouldwearlifevestswhentravellinginauxiliaryboats. Allvolunteers must be accompanied by a guide and	
migary or milioso working on auximary bouts			staff member. Maximum capacity must be adhered to and volunteers must enter and exit the boats one at	
			a time. Volunteers must stay clear of the engine area of the boat.	
			a time. For anicors must stay clear or the origine area or the boat.	
			Method: Interview site manager	
			motiod. Interview one manager	

Negative interaction with local people	L	Groups to be accompanied by local guides and a Malagasy speaking staff member to translate. Replantation sites to be agreed by the VOI (local authority) beforehand. Only work in areas agreed with the leader of the project (Kapt'n). Where necessary, if a site is close to a village or settlement, the people in the area will be informed prior to the groups' arrival.	
		Method: Interview site manager	

## Marine risks – Completed by......Date......

Risk	Likelihood	Severity	Mitigation measures	Observation or	Compliancy (Action to be
				Interview	taken if not compliant)
Need for emergency evacuation	L	Н	Vehicles always available for emergency evacuation from field sites. Full evacuation plans in place		
			for extraction to local medical facilities.		
			Method: Direct observation of vehicle and evacuation plans posted		
Injury or danger encountered when wandering	L	M	Camp manager must be informed of any groups leaving site and they are due to return. All trips off site		
around the town			should be in groups of at least two people.		
			Method: Check with site manager that this was included in welcome briefing		

Fire	L	Н	No smoking allowed within buildings and only in designated smoking areas. All	
			participants should be fully briefed on evacuation procedures.	
			Method: Check with site manager that this was included in welcome briefing. Direct observation of fire	
			extinguisher	
Lack of hygiene increasing risk of	L	M	Participants sleep in dorm rooms with flushing toilets and showers and will be briefed	
disease			on the importance of washing hands thoroughly before meal times.	
Alleraie reaction to food	NA.	11	Method: Check with site manager that this was included in welcome briefing	
Allergic reaction to food	IVI	П	All participants to submit dietary and allergy information prior to the expedition. Where Allergies are serious (eg severe nut allergies), no trigger foods to be prepared or served whilst the relevant	
			participant is on-site (eg a total nut ban).	
			participant is on-site (eg a total nut ban).	
			Method: Interview site manager	
Insufficient communication facilities	L	Н	Emergency phone charged and kept with a copy of emergency numbers.	
	ı	11	Method: Direct observation of emergency comms	
Safety and security of participants and	L	П	Valuables should not be left lying around. Opwall staff members will always be in and around the on-site	
personal belongings			accommodation. Gate surrounding the accommodations will be locked every evening with a security guard	
			at the entrance.	
			Method: Checkwith siteman ager that this was included in welcome briefing and that security is in	
			place.	
Medical problem for participant	M	M	All medical details are provided by all participants before the expedition and reviewed by country manager and expedition	
			medics. Medical staff always available during the expedition or always within close proximity of medical	
			facilities. Sites have adequate	
			medical supplies for stabilising any patients needing to be transferred to a hospital.	
Inappropriate consumption of alcohol	I	Ш	Method: Interview site manager and check first aid kit.	
Inappropriate consumption of alcohol	L	111	Noalcoholtobeconsumedbyanyparticipants.Noalcoholtobe consumedwhilstinthewater.No	
			participantstoenterthewaterwhilstunderthe influence of alcohol.	
			Method: Check with site manager that this was included in the welcome briefing	
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# Diving & Snorkelling – Completed by...... Date......

Risk	Likelihood	Severity	Mitigation measures	Observation or Interview	Compliancy (Action to be taken if not compliant)
Injury caused by falling tank	L	M	All tanks should be laid down when they are not being held.		
			Method: Direct observation during kit-up		
Inappropriate pre-dive check	L	Н	Buddydiveequipmentcheckstobedoneforalldiverspriortoenteringthewaterand these to be checked		
			by supervising dive staff		
			Method: Direct observation of pre-dive safety check		
Becoming separated whilst diving	L	H	Alldiversreceiveafullbriefingaboutthetimes, diveprofile, possible currents and what to do in the event		
			of becoming separated.		
			Method: Direct observation of pre-dive safety check		
Lack of supervision during dive training	L	M	All dive trainers in the water at a ratio of 1 Dive Instructor and 1 Dive Master per 8 students. Dive		
			instructor or dive master to remain close to group and monitor group at all times.		
			Method: Check logs of dive groups		
Lack of supervision during dives	L	M	All qualified divers in the water with a Divernaster per 6 students. Dive instructor or dive master to		
			remain close to group and monitor group at all times.		
			Method: Check logs of dive groups		
Injury or Illness during diving	L	Н	All divers to be wearing a wetsuit or rash vest and short to protect from the sun. All participants		
			briefed on dangers of local flora and fauna.		
			Method: Interview dive ops manager to make sure all staff have been trained and briefed accordingly		
Injury during diving from boats	L	Н	Clear briefings on designated diving areas and need to stop and check for boats before coming to the surface.		

			Method: Interview dive ops manager to make sure all staff have been trained and briefed accordingly	
Lack of cover for divers	L	H	Forboatdives: boattomaintainvisual contact with divegroups on the surface and to have sufficient oxygen, trained personnel in oxygen delivery and a First Aid kit. All dive professionals to be briefed to make every effort to surface as near to the boat as safely possible. Shore dives to always have a sign out system where an alarm is raised if the group are not back on time.  Method: Interview dive ops manager to make sure all staff have been trained and briefed accordingly	
Decompression sickness	L	Н	Arealldiverscheckedtoensuretheyhavenotexceeded18mdepth,maximumdivetimeof50 minutes,stoppedat5mfor 3minutesandhave50bar/700psiremaininginthetanksattheendof the dive. The boatroster is completed pre-dive with startingair and post-dive with final air, time, safety stop checks and max depth for all dives.	
Barotraumas		Н	Method: Interview dive ops manager to make sure all staff have been trained and briefed accordingly  All staff and volunteers informed of risk of barotraumas when diving and safe equalization procedure, which	
Darotraumas	L		includes aborting the dive if equalization is not possible. All staff and volunteers to be informed that they should not dive with an upper respiratory tract infection. All staff and volunteers to be informed of the dangers of using decongestants when diving.	
			Method: Interview dive ops manager to make sure all staff have been trained and briefed accordingly and that relevant information included in training of students	
Lack of understanding signals	L	H	Some dive professionals will use different signals, so it is important that a standard is kept for all. Briefings given prior to dive.	
Injury or Illness during snorkelling	I	Ц	Method: Direct observation of pre-dive briefings  All snorkelers to be wearing a wetsuit or rash vest and short to protect from the sun. All participants	
injury of filliess duffing shorkefilling	L		briefed on dangers of local flora and fauna.	
			Method: Interview dive ops manager to make sure all staff have been trained and briefed accordingly	

Injury during snorkelling from boats	L	Н	Clear briefings on designated snorkelling areas and need to stop and check for boats every few minutes.  Method: Direct observation of pre-snorkel briefings	
Becoming lost while snorkelling	L	Н	Allsnorkelersmustsigninandoutandbecoveredbyastaffmember(seebelow).Allsnorkelers receiveafullbriefingwhat todointheeventofbecomingseparatedand possible strong currents.  Method: Direct observation of pre-snorkel briefings	
Lack of supervision for snorkelling groups	L	Н	Dependingonthelocationthismaybeshorecover/boatcover/in-watersupervision. All snorkelers must be in groups of two or more and the group or supervisor (who should have an appropriatewaterrescue qualification) mustcarryanSMB. Fornight-snorkels, each pair to have a torch, and supervision must be provided both in waterand on shore with a maximum ratio of 1:8.  Method: Interview dive ops manager to check that supervision meets standards	