

Quarantine Island / Kamau Taurua Community Health and Safety Management Policy and Plan

Implementation Date: 24/6/2016

Review: 24/6/2018

Introduction

Quarantine Island has been leased to the Quarantine Island /Kamau Taurua Community (QIKTC) and its predecessors by the Department of Conservation (DOC) and its predecessors since 1958. The Island has been designated as a Recreation Reserve since 1986. The buildings on the Island are owned by QIKTC and area around them currently leased by QIKTC (most recent lease 2009). QIKTC is a registered charity and Incorporated Society.

For the majority of the island there is a joint 'Management Agreement' between DoC and the QIKTC that came into effect in 2010. QIKTC has an elected 'QIKTC Council' to oversee governance. QIKTC employs one part time Island Keeper/Manager. It is therefore classified as a 'Person Conducting a Business or Undertaking' (PCBU) under the Health and Safety at Work Act 2016. As the island is generally accessed by boat, some Maritime rules also apply.

Visitors may come for sightseeing, spiritual or other retreats, cultural activities and workshops. Visitors to the island are encouraged to help in 'low risk' outdoor activities, for example tree planting and releasing seedlings(weeding). Some volunteer activities relate to farming, for example feeding chickens, repairing fences. Others relate to maintenance of facilities e.g. painting, cleaning.

Policy

The QIKTC is committed to the Health and Safety of members, employees, contractors, visitors and the general public. QIKTC has a 'primary duty of care' under the HSW Act 2016 to ensure:

- the health and safety of workers who work for the QIKTC (eg employees or contractors, including their subcontractors or workers) while they are at work.
- that other persons are not put at risk by the work of QIKTC (eg a visitor to the island).
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Specific obligations:

- providing and maintaining a work environment that is without risks to health and safety
- providing and maintaining safe plant and structures
- providing and maintaining safe systems of work
- ensuring the safe use, handling and storage of plant, structures and substances
- providing adequate facilities for the welfare at work of workers in carrying out work for the business or undertaking, including ensuring access to those facilities
- providing any information, training, instruction, or supervision that is necessary to protect all people from risks to their health and safety arising from work carried out as part of the conduct of the business or undertaking
- monitoring the health of workers and the conditions at the workplace for the purpose of preventing injury or illness of workers arising from the conduct of the business or undertaking.
- Maintain worker accommodation (Lodge, Cottage) so the workers are not exposed to health and safety risks.

(these points are based on those listed on the WorkSafe website)

Other Organisations roles:

DOC. The Island is a DOC Recreation reserve, therefore DOC has some responsibility.

The identified hazards and controls are based on DOC Document: 11322 - Generic Community Group Safety Plan where applicable.

Schools: Some people are brought to the Island by schools, therefore their Health and Safety management strategies apply. Schools may use information/templates from here for Education Outside the Classroom (EOTC). <http://eotc.tki.org.nz/EOTC-home/EOTC-Guidelines/Tool-Kit>

Particularly:

http://eotc.tki.org.nz/content/download/2716/10998/file/Sample%20form%2016%20_Outside%20provider.doc

http://eotc.tki.org.nz/content/download/2717/11001/file/Sample%20form%2017_RAMSHazard%20assessment%20and%20control%20.doc

Major organisations: University of Otago, Schools, Forest and Bird, Southern Heritage Trust, Companies.

Contractors: Arborist, Boat operator, Builder, Shearer, Vet

Hazard Identification and Control, Updating of the Plan

This plan describes risks and actions to be taken by the Island Governance Team, Keeper/Manager or Team leader and others in situations where safety is at risk. It is internally audited and reviewed biannually. Any new hazards will be identified if they arise, and discussed at bi – monthly QIKTC Council meetings.

Accident Reporting, Recording and Investigation

Hazards must be identified, isolated, minimised or eliminated. All injuries, near injuries, and critical events must be logged in the 'Accident and Incident Register' in the Cottage and notified to the appropriate authorities (e.g. OSH). These must be investigated by the Keeper/Manager and a designated member of the QIKTC Council. These investigations must be reviewed monthly at QIKTC Council meetings and steps taken to isolate, minimise or eliminate the hazard.

Training

Basic training, for example in first aid, boat safety (or experience) is necessary for the Manager or Team leaders and should be done by recognised providers (e.g. St John, Maritime Safety Authority). Knowledge and training in the safe use of equipment and or materials should be undertaken before an activity takes place.

Definitions

Quarantine Island /Kamau Taurua Community (QIKTC) Council: The governance body of the Incorporated society and PCBU.

Manager: This refers to QIKTC's designate currently in charge of the Island and facilities. This would normally be the part time employee Manager/Keeper but at times is another appropriately trained person.

Team leader: is a competent person designated or delegated by the QIKTC to lead a specific activity e.g. tree planting, painting.

Visitor: A member of the public visiting the island

Casual Volunteer: A member of the public volunteering in Island activities.

Volunteer worker: A more regular worker volunteering in Island activities (defined under HSW Act 2016).

Low risk or Medium Risk: Predicted by the Risk Matrix - activities that are unlikely to happen, and if they did, unlikely to cause significant injuries. All activities undertaken by volunteers should be 'low risk' or 'medium risk'.

Leased area: Cross hatched in map. The remainder of the island is jointly managed by QIKTC and DOC



Risk Identification and Management Strategies

The risk identification and management strategies outlined in this document reflect an 'activities' based approach to risk management rather than blanket identification of risks on and around the island. This approach reflects the HSEA changes April 4 2016.

Implicit in this is that it is the role of the QIKTC Council to ensure risk management procedures are in place, monitored, reviewed and followed by the Manager/Keeper or Team leaders. And that the Manager/Keeper or Team leaders ensure safe working practices and procedures are followed at all times. This reflects a shared responsibility for the health, safety and well - being of workers and visitors to the island. Any risks identified as higher than 'low risk' must be investigated as quickly as possible and appropriate actions taken.

The QIKTC Team Leader must provide the group with a copy of the relevant parts of this Health and Safety Plan (could be through website in advance) and a copy of any relevant SOP's, guidelines or standards. To ensure volunteer safety and wellbeing the QIKTC will:

Before work commences :

- Assign a Team Leader for the activity
- Consider what work or tasks are suitable for your volunteers
- Refresh your knowledge of any standards, SOP's and minimum competencies volunteers are required to hold or comply with before the task takes place. Obtain proof of competencies if required.
- Provide volunteers with a description of the tasks before the activity takes place so they understand what they are doing and can be prepared

At the beginning of the activity :

- The team leader conducts the on-site health and safety discussion.
- Conduct a volunteer induction/briefing tailored to the task and site. Set clear expectations for volunteers about the work and how it should be done. - Discuss and ensure that everyone understands the hazards at the site, getting to the site and the controls in place
- Check volunteer competence, including fitness, to do the work. Do not place volunteers in a role or tasks in the event of any doubt.

- Have the relevant medical information and emergency contact details for volunteers.
- Ensure volunteers have the required personal protective clothing and equipment.
- Volunteers understand emergency procedures, know where phone and first-aid kit are

During the activity:

- Ensure standards are being followed, and PPE is being worn/used.
- Maintain an ongoing assessment of volunteer safety during the day.
- Re-arrange/re-schedule work or tasks if necessary to keep volunteers safe.

After the job:

- Lead a debrief discussion on health and safety at the end of the day.
- Report all incidents, including near misses, and injuries involving volunteers to DOC

QIKTC Person Responsible must provide the group with a copy of this Health and Safety Plan and a copy of any relevant SOP's, guidelines or standards. To ensure volunteer safety and wellbeing the community group will:

Before work commences :

- Assign a 'Team leader' for the activity
- Consider what work or tasks are suitable for your volunteers
- Refresh your knowledge of any standards, SOP's and minimum competencies volunteers are required to hold or comply with before the task takes place. Obtain proof of competencies if required.
- Provide volunteers with a description of the tasks before the activity takes place so they understand what they are doing and can be prepared

At the beginning of the activity :

- The team leader conducts the on-site health and safety discussion.
- Conduct a volunteer induction/briefing tailored to the task and site. Set clear expectations for volunteers about the work and how it should be done. - Discuss and ensure that everyone understands the hazards at the site, getting to the site and the controls in place
- Check volunteer competence, including fitness, to do the work. Do not place volunteers in a role or tasks in the event of any doubt.
- Have the relevant medical information and emergency contact details for volunteers.
- Ensure volunteers have the required personal protective clothing and equipment.
- Volunteers understand emergency procedures

During the activity:

- Ensure standards are being followed, and PPE is being worn/used.
- Maintain an ongoing assessment of volunteer safety during the day.
- Re-arrange/re-schedule work or tasks if necessary to keep volunteers safe.

After the job:

- Lead a debrief discussion on health and safety at the end of the day.
- Report all incidents, including near misses, and injuries involving volunteers in accident and incident register

Activities and Associated Risks

Prior to visits: Standard Operating Procedure (includes SOP)

As visitors must come by boat, visits are usually planned in advance. They may book a charter boat (currently through the company: 'Monarch Wildlife Cruises'). The Manager will make visitors aware that documents related to risk management are available on the QIKT website. These include: this document, a RAMS form, general descriptions of the type of volunteer activities and associated risks. This material is particularly important for organised groups (e.g. schools) and will be pointed out on booking confirmation.

As the Island is public, members of the public may visit without notification of QIKTC (or DOC). For these visitors it is the responsibility of QIKTC to clearly identify risks that would not be expected from visiting an island or farm. In this case the primary responsibility lies with the member of the public, although the QIKTC and DOC will take due care.

Welcome and Care of Visitors: (SOP)

It is the Manager's responsibility to welcome visitors onto the island. The first point of contact is usually the jetty where charter vessels or private boats moor. The edge of the jetty is the demarcation point between the island as a place of work, and charter or private vessels as a place of work. Whilst the operation of mooring vessels falls outside the responsibilities of the Manager, occasionally assistance is requested to secure mooring lines. A collaborative approach to operations is necessary.

Hazard	Management/Controls	Delegation
wet area / ropes: Slip / Trip	Wear high grip footwear. Keep ropes neatly stowed where ever possible	Manager
Moving vessel against jetty: Nip / Crush	Follow instructions of skipper. Stop and evaluate vessel movement before engaging in activity.	Operator /Manager
Moving ropes: Nip / Crush	Follow instructions of skipper. Keep line of sight communication with skipper at all times when handling mooring ropes. Keep hands clear of nip points where practicable.	Operator /Manager

Luggage is transferred from vessels to the jetty. It is the responsibility of the skipper to coordinate luggage transfer from the vessel. The keeper is responsible to coordinate transfer of luggage as it arrives on the jetty. A collaborative approach to operations is necessary.

Risk	Management	Delegate
Over weight baggage: Strain /sprain	Use best practice in manual handling. Bend knees, keep weight close to body. Seek assistance for heavy items.	Manager

Visitors are usually welcomed on at the carved entrance way – weather permitting. A brief introduction continues at or adjacent the Lodge where general health and safety guidelines are explained.

Risk	Management	Delegate
Partially benched tracks and routes:	Advise that sturdy, high-grip footwear is worn. Travel in groups when exploring island.	Manager

Slip / trip / sprain		
Steep banks & cliffs: Slip / trip / sprain / fall	Advise that most steep banks & cliffs are fenced however care must be taken on the Western end of island where tracks traverse steep areas. Advise that tracks should be kept to where possible.	Manager
Fire: Burns / inhalation	Advise of evacuation points in Lodge. Married Quarters and Chapel. Assembly point on jetty. Keep fire exits, extinguishers and smoke detectors clear and in good working order.	Manager
Tsunami: Drowning/crush	Advise of evacuation point at soldiers memorial.	Manager

Revegetation Programme

The island Revegetation Programme offers visitors an opportunity to engage in hands on ecological restoration activities including planting and releasing shrubs and flaxes.

Risk	Management	Delegate
Sharp hedge cutting shears: Cut / nip	Demonstrate using shears with two hands with blades facing away from body.	Manager / Team leader/Council Representative
Sharp spades: Cut / crush	Ensure sturdy footwear is worn at all times. Ensure feet are kept clear as digging / filling is in progress.	Manager / Team leader/Council Representative
Fertiliser Tablets: Ingestion	Keep tablets tightly controlled to ensure children do not have access to tablets. Explain emergency procedures including access to Material Safety Data Sheets in case of accidental ingestion.	Manager / Team leader/Council Representative

Intertidal Zone Activities

The intertidal zones on the island are ideal for educational activities such as Marine Metre Squared projects, fauna and flora identification and survey. The Manager is often involved in *leading* or *hosting* these activities.

Should these activities be with a school group, it is the Manager's role in the first instance to advise on possible hazards and safe limits of exploration. Beyond this, the Manager is a *host* in a 'show and tell' capacity. Responsibility for control and safety of the school group lies with the school group leader. The school group leader should have been through a RAMS process for the activity.

Intertidal activities *lead* by the Manager do not involve school groups and are undertaken with small private, informal groups. The Manager's role in the first instance is to advise on possible hazards and safe limits of exploration. Beyond this, the Manager has a leadership capacity. Responsibility for control and safety of the group lies with the Manager or Team Leader.

Risk
Delegation

Management

Slippery, wet, uneven surfaces: Slip / trip /fall	Advise that high-grip sturdy footwear is essential. Move slowly and carefully, avoid standing on seaweed.	Manager
Tidal entrapment: Hypothermia / drowning	Where possible conduct intertidal activities on a falling tide. If activities are in progress on a rising tide, allow a generous time buffer to complete activities and move to higher ground. Know peak and low tide times for the day.	Manager / Team leader

Cleaning and caretaking

The Manager is responsible for cleaning the Lodge and the toilet facilities before visitors arrive, and ensuring that visitors clean up adequately before they leave.

Risk
Delegation

Management

Cleaning products: Ingestion / Skin contact injury	Ensure all cleaning products are securely stored and that appropriate PPE is used as per material Safety Data Sheets.	Manager/Council Representative

The Manager is responsible for maintaining or delegating maintenance needed for the Lodge and Cottage to appropriate volunteers. This may involve activities such as painting, gutter clearing and window cleaning.

Risk
Delegation

Management

Elevated work zone / ladder use: Slip / trip /fall	No elevated or ladder work is to be undertaken without the presence on site of another Community member. Ensure ladders when in use are secure and used in accordance with ACC / manufacturers guidelines. Wear high – grip sturdy footwear.	Manager / Team leader/Council Representative

The Manager is responsible for maintaining the lawns, pruning track vegetation, maintenance of gardens and shade house.

Risk
Delegation

Management

<p>Lawnmower Cuts / flying debris / excessive noise.</p>	<p>Maintain a safe working zone of at least 10 metres from other people when operating Lawnmower & Scrub cutter. Avoid operating lawn mower or scrub cutter when visitors are on the island and in the vicinity. Warn visitors.</p> <p>PPE: Always wear closed in steel capped safety footwear, long trousers, eye protection, ear protection when operating Lawnmower & Scrub cutter.</p>	<p>Manager / Team leader/Council Representative</p>
<p>Pruning: Cut / nip</p>	<p>PPE. Where practical, use gloves when pruning.</p> <p>Always use secateurs with blades facing away from body. Ensure all fingers are clear of cutting zone before cutting.</p>	<p>Manager / Team leader</p>
<p>Handtool use. Use of variety of handtools including manual/electric screwdrivers. hammer, grubber etc. Heavy objects. Flying objects. Extended use (loss of control). Sharp blades/objects. Impacts, entanglement. Vibration. Public access.</p>	<p>Management Controls: Correct sharpening procedure used and tools maintained regularly checking for loose heads on axes, slashers, grubbers etc. Where necessary, warning signs in area of operations where public have access. Ensure best practice guidelines are followed</p> <p>Minimum Competencies: Competent in use, i.e. completed the required training for the task or use of equipment, and/or assessed as competent by supervisor</p> <p>Work Instructions: Do not carry tools over the shoulder or leave tools lying around where people have access. Be aware of the location of others and work at least 3 metres apart. When transporting tools handle them appropriately or in containers with safety catchers on. Return tool to be stored appropriately in a secure workshop</p> <p>PPE: Recommended relevant PPE includes gloves, safety boots, overalls, leg protection, protective glasses if considered necessary by supervisor.</p>	<p>Manager / Team leader</p>
<p>Pest/predator control traps Trap closing on operator. Breakage to trap causing injury. Bites, scratches from animals. Management Controls: Keep traps well maintained. Minimum Competencies: Training of all people operating traps showing them how to hold & set to minimise accidental triggering, and use safety catches.</p>	<p>Work Instructions: Use in accordance with trap SOP &/or best practice guidelines.</p> <p>Use setting tool if appropriate & keep body parts well clear of closing mechanism. Carry first aid kit. Be aware of sharp edges on mesh at ends of tunnels. wash hands before eating and/or at end of day. Carry soap & water for this. Ensure animal is dead before removing from trap.</p> <p>PPE: Wear gloves when handling animals. All people (volunteers, staff) using traps should</p>	<p>Manager / Team leader</p>

	<p>receive training to show them how to hold and set traps, and use safety catches, to minimise accidental triggering; use the setting tool if appropriate; consider wearing gloves when handling dead animals, especially if skin is broken; ensure animal is dead/incapacitated before removing from trap; wash hands before eating and when finished trapping; carry sanitizing gel; carry personal first aid kit to be able to clean and treat wounds.</p>	
<p>Weedeater use Flying debris - cuts/impacts/eye damage. OOS - back strain/vibration/circulation. Noise. Fire - machine. Fuel use. Falling over. Public in vicinity.</p>	<p>Management Controls: Consider alternative safer methods such as mowing or spraying. Discuss risks, including hand/arm vibration syndrome. Read and understand Scrub-bar Guidelines. Appoint Team Leader.</p> <p>Minimum Competencies: Scrub-bar/Brush cutters: New users are trained to NZQA unit standard 24540 and assessed as competent in local use. Experienced users complete a self assessment and are assessed by competent person in local use. Weedeater attachment: Trained and assessed by competent person in local use. Work Instructions: Guard is attached. Check area prior to work for obstacles, place warning signs in public areas. Check fuel lines and components before and during work. Minimum operating distance of 15m from maximum reach of machine, between workers.</p> <p>Carefully consider use in high/extreme fire conditions. Use correct fuel mixture. Undertake Job Safety Analysis for the task. Take regular breaks.</p> <p>PPE: Steel cap boots, helmet with visor or goggles, gloves, suitable clothing to protect all exposed areas of body, (i.e light chaps (flail cord)), and first aid kit, containing eye wash. Hearing protection - Grade 3-5.</p> <p>Check area prior to work for obstacles; protective clothing and equipment is required to be worn (chaps, visors or safety glasses, gloves, high viz vest, class 4 hearing protection, hard hat, steel toe cap boots); ensure machine is maintained;</p> <p>fire extinguisher at site; minimum operating distance of 15m between workers; first aid kit to be carried; refer to preventative information on hand arm vibration syndrome;</p>	<p>Manager / Team leader</p>

Firewood and Heavy Vegetation Management.

Periodically it is necessary to cut and gather firewood for use in the Lodge and Cottage. At times heavy vegetation needs managed.

Risk Delegation	Management	
<p>Chainsaw & wood splitter: Cut / crush This is a medium risk activity.</p>	<p>Activity plan to be reviewed and approved by representative of the QIKTC Council.</p> <p>Any chainsaw use is to be undertaken by a suitably trained or qualified person(s).</p> <p>This includes tree felling, limb removal or firewood cutting.</p> <p>The chainsaw is never to be operated without a trained first aider on site (other than the operator). A comprehensive first aid kit, fire extinguisher and emergency phone shall be onsite.</p> <p>PPE. Appropriate and correctly fitted personal protective safety equipment is to be worn at all times including but not limited to; ear protection, eye protection, hard hat, protective chainsaw trousers (chaps). Best practice guidelines as prescribed by ACC are to be adhered to at all times.</p> <p>Tree felling and limb removal would normally done by a trained contractor (e.g. arborist)</p>	<p>QIKTC Council / Manager / Team leader</p>

Chemical Handling

Maintenance activities on the island often require the storage and use of chemicals including such items as paints, thinners, resins, fuels, oils and rodenticides.

Risk Delegation	Management	
<p>Paints, resins, thinners, fuels, oils & rodenticides: Ingestion / fire / inhalation</p>	<p>Ensure that the smallest quantities of chemicals practical are stored, or in use on the island at any given time.</p> <p>Ensure that all chemicals are securely stored away and inaccessible to the general public and children. Keep up to date and complete Material Safety Data Sheets for all chemicals in use or in storage on the island. Store all chemicals away from potential ignition sources and in a well ventilated space. Use and mix all chemicals as per manufacturers guidelines and industry best practice.</p> <p>Keep a fire extinguisher on hand when handling flammable products.</p>	<p>Manager / Team leader</p>

Boat

Occasionally the use of the Manager’s boat is necessary to complete activities such as beach clean ups or the transport of materials.

Risk Delegation	Management	
wet area / ropes: Slip / Trip / drowning	Wear high grip footwear. Keep ropes neatly stowed where ever possible. Always wear life jacket in and around vessel.	Manager / Team leader
Moving vessel against jetty: Nip / Crush	Stop and evaluate vessel movement before engaging in activity.	Manager / Team leader
Moving ropes: Nip / Crush	If possible keep line of sight communication with any assistants at all times when handling mooring ropes.	Manager / Team leader
Heavy seas & wind Slip / Trip / Drowning / Hypothermia	Ensure boat is only operated by suitably trained or experienced person. Evaluate present tidal and wind conditions alongside predictions prior to the commencement of any activities in or on the vessel. Ensure life jacket(s) and appropriate protective clothing for the current and predicted conditions are worn at all times. Ensure life jacket(s) are worn before boarding boat. Ensure vessel motor is well maintained, has excess fuel and oil reserves for the activity at hand. Ensure auxiliary motor (oars) are present and secure on vessel. Always carry on person; marine radio, cell phone and distress flare. Ensure anchor is present, easily accessible and correctly stowed for rapid deployment. Let contact person know where you are going including ETA. Agree to check in time. Agree to emergency activation time.	Manager / Team leader

Stock Management

The Manager is responsible for the welfare of stock on the island. The stock are on the island for the sole purpose of keeping grass short in critical areas to mitigate the risk of fire spread.

Risk Delegation	Management	
Stock Yard work: Sprain/Strain	Wear high grip footwear. Keep stock tight in pens. Warm up before work. Keep stock calm. Avoid lifting & twisting. Use appropriate lifting techniques.	Manager / Team leader

Risk Matrix

A primary tool to assess an activity is to apply it to a Risk Matrix. The use of a Risk Matrix helps in ensuring an objective assessment is made and necessary risk management strategies are implemented to ensure the health, safety and wellbeing of all involved. The use of a Risk Matrix supports the ‘activities based’ approach

to health and safety management because activities can be assessed against the Risk Matrix and appropriate risk management strategies put in place.

RISK MATRIX QUARANTINE ISLAND / KAMAU TAURUA										
E = Extreme Risk – Detailed action plan to manage risk before activity					CONSEQUENCE of ACCIDENT					
H = High Risk – Needs immediate senior management attention					P E O P L E	Injuries or ailments Not requiring medical treatment	Minor injuries or first aid treatment	Serious injury causing hospitalisation or multiple medical treatment cases	Life threatening injury or multiple serious injuries causing hospitalisation	Death or multiple life threatening injuries
M = Medium Risk – Specify management responsibility										
L = Low Risk – Manage by routine procedures										
L I K E L Y H O O D o f A C C I D E N T	Probability	Historical			Insignificant	Minor	Moderate	Major	Catastrophic	
					1	2	3	4	5	
	>1 in 10	Is expected to occur in most circumstances	Almost Certain	5	M	H	H	E	E	
	1 in 10 - 100	Will probably occur	Likely	4	M	M	H	H	E	
	1 in 100 - 1,000	Might occur at some time in the future	Possible	3	L	M	M	H	E	
	1 in 1,000 – 10,000	Could occur but doubtful	Unlikely	2	L	M	M	H	H	
	1 in 10,000 - 100,000	May occur but only in exceptional circumstances	Rare	1	L	L	M	M	H	

Actions Triggered After Application of Risk Matrix to an Activity.

E = Extreme Risk – Detailed action plan to manage risk before activity:

Manager or activity leader to develop a detailed activity plan in consultation with the QIKTC Council. Activity can only commence once activity is approved by Governance Team.

H = High Risk – Needs immediate portfolio management attention:

Manager or activity leader to develop a detailed activity plan in consultation with the QIKTC Council. Activity can only commence once activity is approved by the Council Representative.

M = Medium Risk – Specify risk:

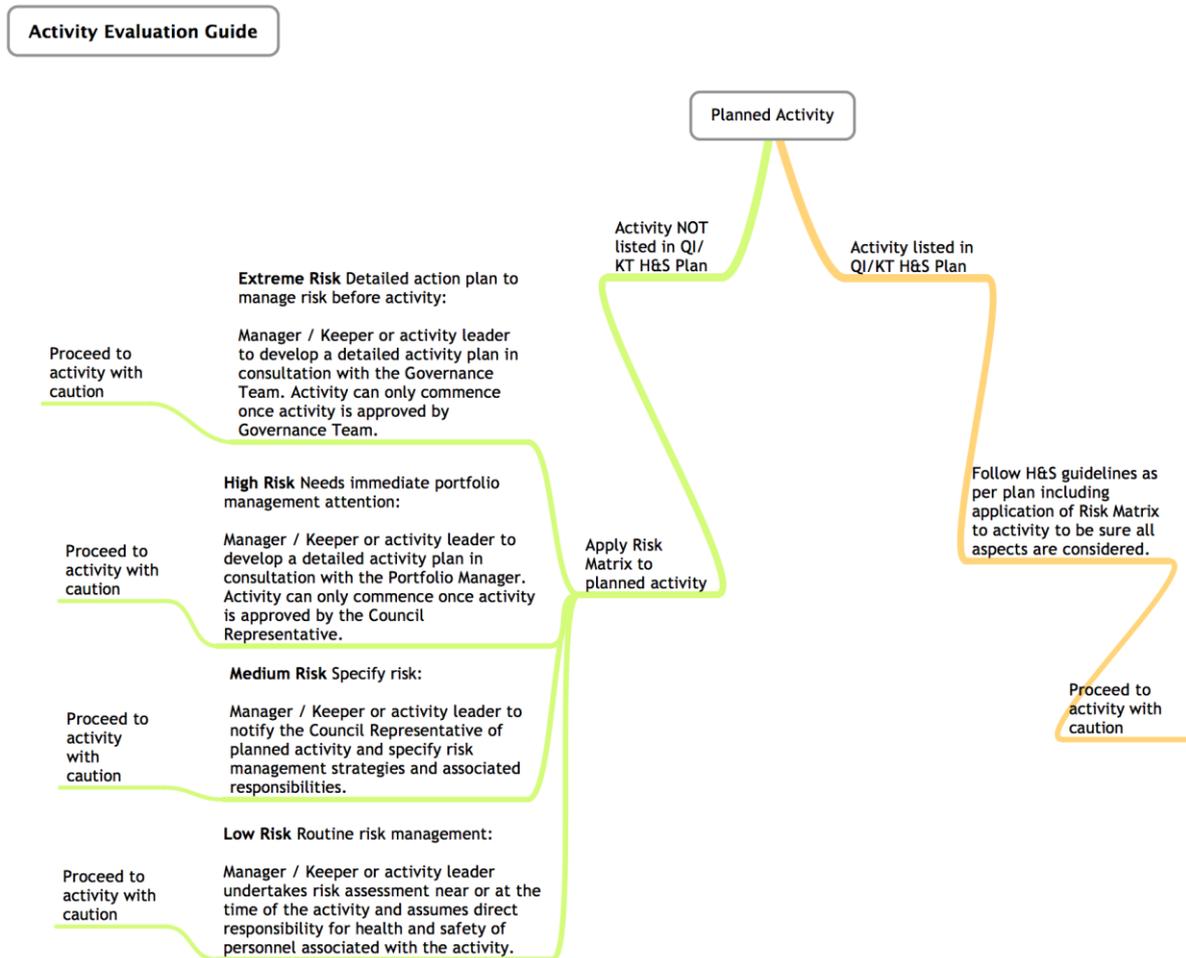
Manager or activity leader to notify the QIKTC Council of planned activity and specify risk management strategies and associated responsibilities.

L = Low Risk – Routine risk management:

Manager or activity leader undertakes risk assessment near or at the time of the activity and assumes direct responsibility for health and safety of personnel associated with the activity.

Based on worksafe NZ risk rating table:

<http://www.business.govt.nz/worksafe/tools-resources/safe-use-of-machinery-toolkit>



Prepared by Keeper/Manger of Quarantine Island (Don Hunter) with consultation 2016.

Relevant documents:

Volunteers and the Health and Safety at Work Act (2016) <http://www.business.govt.nz/worksafe/about/reform>

DOC Safety Plans and Procedures and SOPs

<http://www.doc.govt.nz/get-involved/apply-for-permits/managing-your-concession/safety-plans/>

<http://www.doc.govt.nz/get-involved/run-a-project/our-procedures-and-sops/>

Department of Conservation Document '11322 - Generic Community Group Safety Plan'

Revised 12/3/2017 Clarified some sections (KB, CMB)