

## 40928 Manage risk and safety in conservation activities

<b>Kaupae   Level</b>	4
<b>Whiwhinga   Credit</b>	10
<b>Whāinga   Purpose</b>	<p>This skill standard is for ākonga/learners who want to gain skills and knowledge for general and team roles in conservation in Aotearoa New Zealand.</p> <p>Ākonga/learners credited with this standard will be able to develop skills and knowledge to support and apply risk and safety management practices in conservation activities. They will be able to apply kaitiakitanga and conservation principles in Aotearoa New Zealand.</p> <p>This skill standard may be used in programmes leading to qualifications and credentials for conservation.</p>

### Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Apply risk and safety management principles to conservation contexts.	a. Identify and assess hazards, risks and mitigation to conservation activities, including kaitiakitanga, environmental, biological and terrain-related factors.
	b. Describe the function of safety management systems, standard operating procedures (SOPs), and emergency action plans (EAPs).
	c. Interpret and apply relevant Activity Safety Guidelines and Best Practice Guidelines to a conservation activity.

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
2. Develop and implement a safety management plan in a conservation activity.	a. Develop a safety management plan that includes hazard controls, emergency procedures, personal protective equipment (PPE) requirements and communication systems.
	b. Select appropriate safety and emergency gear for team members based on the safety management plan.
	c. Implement and adapt the safety management plan in response to changing conditions and emerging risks.
	d. Communicate risk-related observations and decisions effectively to team members and respond to incidents following emergency procedures.
3. Evaluate and improve safety management practices.	a. Contribute to structured debriefs and evaluations of conservation activities.
	b. Update risk management documentation based on lessons learned.

### Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

#### Assessment specifications:

All assessment must take place during a conservation activity.

Ākonga/learners will be assessed carrying out the conservation activity and must follow health, safety, and environmental protocols throughout conservation and monitoring activities including appropriate PPE, handling equipment responsibly and minimising disturbance to the environment.

Assessment criteria are carried out in accordance with kaitiakitanga, organisational health and safety requirements, and assessment evidence must reflect industry practice.

Appropriate PPE may include:

- Helmets
- Safety boots
- Gloves
- High-visibility clothing
- Eye protection.

## Definitions

- *Kaitiakitanga* in this standard means the sustainable custodial treatment of the environment in accordance with the tikanga and kawa of local iwi or hapū.
- *Tikanga* refers to practices and values from mātauranga Māori including wāhi tapu (sacred sites) and culturally appropriate practices during conservation activities.
- *Kawa* refers to protocol or customs particularly relating to marae protocol.

## Ngā momo whiwhinga | Grades available

Achieved

## Ihirangi waitohu | Indicative content

### General

- Local tikanga and kawa.
- Operational plan.
- Job Safety Analysis (JSA).
- Toolbox talks.
- Elimination, isolation and mitigation of risks.
- Hazard and risk identification.
- Incident review.
- Pre- and post-activity documentation.
- Activity review and reflection.
- Appropriate communication throughout the activity.
- Basic first aid.

### Conservation activity

- Ecosystem restoration: native planting; pest control; erosion management; wetland restoration.
- Pest control (plant or animal) or result monitoring e.g. setting traps, checking monitoring tunnels, removing invasive plant species from ecosystems.
- Track or trail maintenance.
- Outcome monitoring e.g. permanent plot measures.

## Rauemi | Resources

All learning and assessment within this skill standard must be carried out in accordance with the following:

- Legislation including [Conservation Act 1987](#), [National Parks Act 1980](#), [Reserves Act 1977](#), [Health and Safety at Work \(HSW\) Act 2015](#), [Health and Safety at Work \(Hazardous Substances\) Regulations 2017](#).
- WorkSafe New Zealand: Health and safety guidance for working in outdoor environments, including the safe use of equipment and management of environmental risks. [Home | WorkSafe](#).

- Worksafe New Zealand: Activity Safety Guidelines [Adventure and outdoor recreation activities – managing the risks from natural hazards | WorkSafe](#).
- Industry Codes:
  - Land Safety Code [NZ Land Safety Code — NZMSC](#).
  - Leave No Trace principles <https://leavenotrace.org.nz>.
  - Mountain Safety Council - Outdoor Safety Guidelines.
- A recognised and approved safety management system including organisational policies and procedures including EAPs, SOPs, incident response management plans and the use of PPE.

### Pārongo Whakaū Kouna | Quality assurance information

<b>Ngā rōpū whakatau-paerewa  </b> Standard Setting Body	Toi Mai Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai  </b> DASS classification	Sciences > Environment > Ecological Management
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga  </b> CMR	0099

<b>Hātepe  </b> Process	<b>Putanga  </b> Version	<b>Rā whakaputa  </b> Review Date	<b>Rā whakamutunga mō te aromatawai  </b> Last date for assessment
<b>Rēhitatanga  </b> Registration	1	27 November 2025	N/A
<b>Kōrero whakakapinga  </b> Replacement information	N/A		
<b>Rā arotake  </b> Planned review date	31 December 2030		

Please contact Toi Mai at [qualifications@toimai.nz](mailto:qualifications@toimai.nz) to suggest changes to the content of this skill standard.