

40926 Carry out outcome monitoring conservation activities

Kaupae Level	4
Whiwhinga Credit	15
Whāinga Purpose	This skill standard is for ākonga/learners who want to gain skills and knowledge for general and team roles in Aotearoa New Zealand. Ākonga/learners credited with this standard will be able to carry out outcome monitoring conservation activities. They will be able to apply kaitiakitanga and conservation principles in Aotearoa New Zealand. This skill standard may be used in programmes leading to qualifications and credentials for conservation.

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Select appropriate outcome monitoring methods for a conservation activity.	a. Describe conservation outcome monitoring methods.
	b. Evaluate different outcome monitoring methods for different conservation activities.
	c. Match outcome monitoring methods to a conservation activity.
2. Set up an outcome monitoring method for a conservation activity in the field.	a. Evaluate the tools and devices available to set up the outcome monitoring method.
	b. Use tools and devices to map the location for an outcome monitoring activity.
	c. Prepare field instructions for the activity, including health and safety and kaitiakitanga.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
3. Carry out outcome monitoring and record data.	a. Implement a monitoring method, applying best practice protocols in line with standard operating procedures.
	b. Determine and apply local tikanga and kawa for the outcome monitoring method.
	c. Measure and record all data in the correct format for the chosen method.
	d. Store the data to meet organisational protocols.
4. Analyse data and report the findings of the outcome monitoring of the conservation activity.	a. Input data following organisational protocols.
	b. Enter information following organisational protocols.
	c. Analyse any changes or patterns in the data.
	d. Report the outcome monitoring findings.

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 protective personal equipment (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**

- Kaitiakitanga.
- Global Positioning System (GPS) use.
- Geographic Information System (GIS) mapping.
- Compass use by understanding magnetic bearings (not true north).
- Device selection for the conservation activity.
- Data collection tools e.g. National Vegetation Survey sheets.

Conservation outcome monitoring

- Permanent plot measurement e.g. 20x20, Reconnaissance (RECCE) methods.
- Transect measures e.g. 5 Minute Bird counts, Foliar Browse Index for native tree outcomes.
- Photo points.
- 1m square counts.
- Pitfall and light trapping.
- Systematic searching.
- Data collection and analysis.
- Report writing for informing management decisions.

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>.
- A recognised and approved safety management system including organisational policies and procedures including Emergency Action Plans (EAPs), Standard Operating Procedures (SOPs), incident response management plans and the use of PPE.

Useful resources for outcome monitoring methods:

- DOC Biodiversity Inventory and Monitoring toolbox.
- [Maanaki Whenua databases with field manuals](#).

Pārongo Whakaū Kounga | Quality assurance information

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

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

Please contact Toi Mai at qualifications@toimai.nz to suggest changes to the content of this skill standard.