

**40925****Collect data and communicate in the field for conservation activities**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Kaupae   Level</b>     | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Whiwhinga   Credit</b> | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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 use power tools or devices for data collection and communication in conservation activities. They will be able to apply knowledge of 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. Collect data for a conservation activity.                           | a. Demonstrate correct power tool or device use for data collection.          |
|                                                                        | b. Upload and store collected data appropriately.                             |
| 2. Use communication devices in the field for a conservation activity. | a. Select and operate a communication device to follow the field instruction. |
|                                                                        | b. Meet scheduled check-ins via a communication device.                       |

**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

- *GPS*: A global positioning system (GPS) is a network of satellites and receiving devices used to determine the location of something on Earth.
- *GIS*: A geographic information system (GIS) is a computer system for capturing, storing, checking, and displaying data related to positions on Earth's surface.
- *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

#### **Tools and devices**

- Global Positioning System (GPS).
- Drones.
- Geographic Information System (GI) mapping.
- Compass and map.
- Inclinator.
- Device selection for the conservation activity.
- Trail cameras.
- VHF radio, UHF radio (handheld radio use).
- Cellphones, Satellite phones, Inreach device.
- Power tools, e.g. scrub bars, chainsaws, generators, pumps, drills.

## Conservation activities

- 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>.
- 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.

## Pārongo Whakaū Kounga | Quality assurance information

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

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