



**Australian Government**

# **SFICRO302 Conduct crocodile surveys**

**Release: 1**

# SFICRO302 Conduct crocodile surveys

## Modification History

| Release   | Comments                                                                      |
|-----------|-------------------------------------------------------------------------------|
| Release 1 | This version released with SFI Seafood Industry Training Package Version 2.0. |

## Application

This unit of competency describes the skills and knowledge required to plan and conduct crocodile field surveys in natural crocodile habitats.

The unit applies to individuals who work under broad direction to collect information about crocodile activity in Australian waterways.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety, biosecurity and environmental regulations, legislation and standards that apply to the workplace.

No licensing, legislative or certification requirements apply to this unit at the time of publication. Licences or permits may be required for the use of firearms or restricted drugs on crocodiles or if operating vehicles.

## Pre-requisite Unit

Nil

## Unit Sector

Crocodile (CRO)

## Elements and Performance Criteria

| Elements                                         | Performance Criteria                                                                                                                                                                                                      |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                    |
| 1. Plan crocodile field survey activity          | 1.1 Determine crocodile management program aims and the importance of records<br>1.2 Determine crocodile field survey objectives and site location(s)<br>1.3 Plan logistic and supply requirements according to location, |

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                  | duration and size of crocodile surveying field trip<br>1.4 Access maps, photographs or global positioning system (GPS) or other available data<br>1.5 Determine crocodile field survey activity incorporating teamwork, humane treatment of crocodiles and waterway safety procedures<br>1.6 Determine legislation and regulations, biosecurity and environmental standards, and risks and contingencies associated with crocodile survey activity<br>1.7 Select and prepare equipment and supplies according to field survey objectives |
| 2. Carry out crocodile field survey activity     | 2.1 Prepare vehicle(s) and load equipment and supplies<br>2.2 Locate crocodile field survey site and conduct survey activity according to timeframes and crocodile waterway safety procedures<br>2.3 Communicate with team members while conducting designated roles<br>2.4 Maintain accurate raw data, including accurate crocodile size estimates during field survey activity<br>2.5 Minimise environmental impact and biosecurity risks during crocodile field survey activity                                                       |
| 3. Finalise crocodile field survey activity      | 3.1 Unload, clean and check equipment for faults<br>3.2 Report any faults to appropriate personnel and store as per workplace requirements<br>3.3 Complete required documentation according to field survey requirements                                                                                                                                                                                                                                                                                                                 |

## Foundation Skills

*This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.*

| Skill   | Description                                                                                                     |
|---------|-----------------------------------------------------------------------------------------------------------------|
| Reading | <ul style="list-style-type: none"> <li>Interpret technical information relating to crocodile species</li> </ul> |

| Skill              | Description                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Writing            | <ul style="list-style-type: none"><li>Use appropriate technical information to document survey findings relating to crocodile species</li></ul> |
| Oral communication | <ul style="list-style-type: none"><li>Communicate clearly, concisely and in a culturally sensitive manner</li></ul>                             |

## Unit Mapping Information

| Code and title current version      | Code and title previous version | Comments                                                                | Equivalence status |
|-------------------------------------|---------------------------------|-------------------------------------------------------------------------|--------------------|
| SFICRO302 Conduct crocodile surveys | Not applicable                  | Unit has been created to address an emerging skill required by industry | Newly created      |

## Links

Companion Volumes, including Implementation Guides, are available at VETNet: -  
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=e31d8c6b-1608-4d77-9f71-9ee749456273>

# Assessment Requirements for SFICRO302 Conduct crocodile surveys

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## Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has:

- planned and conducted at least three crocodile survey activities
- documented data relating to crocodile survey activities on at least three occasions.

In doing the above, there must also be evidence that the individual has:

- worked effectively in a team
- followed crocodile risk and safety standards
- treated crocodiles humanely
- complied with legislation and regulation associated with crocodiles
- complied with biosecurity and environmental standards.

## Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- crocodile survey data on:
  - population
  - habitat
  - nesting
  - sizes of crocodiles
- resources required to scope crocodile data:
  - data collection equipment
  - cyber tracking devices
  - global positioning system (GPS)
  - suitable software applications to record crocodile data
  - cyber tracking devices

- drones
- crocodile waterway safety procedures
- risk factors working with crocodiles and around crocodiles
- appropriate action if confronted by an aggressive crocodile
- culturally sensitive communication protocol
- team protocol during collection of data via survey:
  - roles of team members
  - importance of interaction between team members
  - the use of appropriate communication methods
- crocodile management program or policy aims, including:
  - maintenance of a healthy population of saltwater crocodiles in their natural habitat
  - promotion of the saltwater crocodile as a natural resource that has economic use and benefit if used sustainably
  - respect for the cultural values of the Indigenous population's crocodile management
  - management of concentrated numbers in areas where there is a high risk to people, livestock and pets
  - provision for crocodile awareness and information in parks, reserves and conservation areas
  - working with other government groups, business and industry to make locals and visitors aware of crocodiles
  - encouragement for everyone to be responsible in activities near the natural environment of crocodiles
- state and territory legislation, regulations and codes of practice associated with crocodile habitats and crocodile activity
- key features of biosecurity guidelines for crocodile waterways, including not contaminating waterways:
  - survey data documenting and processing methods.

## Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
  - skills must be demonstrated in an environment that accurately represents workplace conditions
- resources, equipment and materials:
  - access to crocodile waterways
  - equipment and supplies to undertake field survey in crocodile habitats
- specifications:
  - crocodile safety documentation, policies and procedures
- relationships:
  - team members.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

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