Modification history

Release	Comments
Release 1	This version released with SFI Seafood Industry Training Package Version 3.0.

SFICRO3X3	Conduct crocodile surveys
Application	This unit of competency describes the skills and knowledge required to conduct crocodile surveys. The unit applies to individuals who plan and conduct crocodile survey 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. Licences or permits may be required for the use of firearms or restricted drugs on crocodiles or if operating vehicles. No licensing, legislative or certification requirements apply to this unit at the time of publication.
Use Prerequisite Unit	Nil
Unit Sector	Crocodile

Elements	Performance Criteria
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Plan crocodile field survey activity	1.1 Determine crocodile data requirements and the importance of records for crocodile management programs 1.2 Determine crocodile field survey objectives and site location(s) 1.3 Plan logistic and supply requirements according to location, duration and size of crocodile surveying field trip 1.4 Access maps, photographs and other available data 1.5 Determine crocodile field survey activity incorporating waterway safety procedures, legislation and regulation, biosecurity and environmental standards, and risks and contingencies 1.6 Select and prepare equipment and supplies in accordance with field survey objectives
2. Carry out crocodile field survey activity	2.1 Prepare vehicle(s) and load equipment and supplies 2.2 Locate crocodile field survey site and conduct survey activity in accordance with timeframes, and crocodile waterway safety procedures 2.3 Keep accurate notes during field survey activity 2.4 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 3.2 Report any faults to appropriate personnel and store as per workplace requirements 3.3 Complete required documentation in accordance with field survey object 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**
Oral communication	• Communicate in a culturally sensitive manner
Reading	• Interpret technical information relating to crocodile species

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
Writing	• Use appropriate technical information to document survey findings relating to crocodile species

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
SFICRO3X3 Conduct crocodile surveys	N/A		New unit

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

TITLE	Assessment requirements for SFICRO3X3 Conduct crocodile surveys
Performance Evidence	

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

There must be evidence that the individual has:
• conducted at least five crocodile survey activities
• documented data relating to crocodile survey activities on at least five occasions

In doing the above, evidence must also include:
• digital literacy
• observing crocodile risk and safety standards
• treating crocodiles humanely
• observing legislation and regulation associated with crocodiles
• observing biosecurity and environmental standards.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements, performance criteria and foundation skills of this unit. This includes knowledge of:
- crocodile survey data looking for:
  - population
  - habitat
  - nesting
- 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
- data configuration methods
- data processing methods
- crocodile risk factors in remote waterway environments:
  - estuarine crocodile habitat - any body of water in northern Australia within 100 km off the coast
  - increased risk at night because crocodiles are more active at night
  - increased risk during crocodile breeding season from September to April in Australia
  - aggressive female crocodile behaviour when they are defending their nests and young hatchlings
- crocodile waterway safety procedures, including:
  - never swimming or wading through any water in northern Australian waterways
  - only crossing rivers at shallow water sites or rocky areas in the narrowest section, no more than 30 cm (knee deep)
  - avoiding sites where carcasses are concentrated as crocodiles may have congregated in the area
  - if camping, pitching tents at least 50 metres from any water or high tide line
  - not leaving rubbish or feed scraps around the camp site
  - not preparing food or undertake any activities near the water's edge or adjacent sloping banks
  - not collecting water from the same location every day
  - never riding an all-terrain vehicle through flood water greater than 0.3 meters
  - wherever possible, parking vehicles at least 5 meters from the water's edge and in a clear area
  - carrying some form of communication equipment
  - being careful when walking through long grass

- appropriate action if confronted by an aggressive crocodile:
  - maintaining sight of crocodile while retreating as rapidly as possible
  - climbing a tree or get into a safe place (vehicle)
  - raising the alarm and identify location of crocodile to others
  - if in a team, ensuring all team members are accounted for and uninjured
  - using communication systems to inform others
- the use of appropriate communication systems
- crocodile management program or policy aims, including:
  - maintenance a large and healthy population of saltwater crocodiles living in their natural habitat in the Northern Territory
  - 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 with regard to 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
  - work 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 saltwater crocodiles
- state and territory legislation or regulation associated with crocodile waterways and crocodile activity
- zoonotic diseases that can affect crocodiles
- biosecurity guidelines for crocodile waterways:
  - not contaminating waterways
  - observing SOPs.

Assessment Conditions	

Assessment of skills 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:
    - crocodile mannequins??
    - access to crocodile waterways
    - access to crocodile safety documentation, policies and procedures

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

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