



## REGISTERED NATIONAL STANDARD

### UNIT OF COMPETENCY

<b>Title:</b>	Whale <sup>1</sup> biology and history				
<b>TQF Level:</b>	4	<b>Credits:</b>	8	<b>Version:</b>	1
<b>National standard code:</b>	NS020-04				
<b>Associated qualification (and code):</b>	National Certificate in Whale Guiding Level 4 (QR-04-NQ-018-04-0903-19-01)				
<b>Approval date:</b>	11 June 2019		<b>Review date:</b>	11 June 2024	
<b>Purpose:</b>	<p>People credited with unit are able to demonstrate knowledge of the following aspects of Humpback whales:</p> <ol style="list-style-type: none"> <li>1. Habitat, distribution, and migration.</li> <li>2. Feeding, reproduction, life cycle, growth and abnormal features.</li> <li>3. Historical and cultural relevance to Tonga, from whaling to whale watching.</li> </ol>				
<b>Learning Outcome 1 (LO1)</b>	Demonstrate knowledge of the habitat, distribution, migration and features of the Humpback whale and its habitat.				

<sup>1</sup> There is an emphasis on Humpback whales. According to SPREP, certain humpback whale populations found the warm waters of Tonga as their traditional breeding grounds and tend to return to the same waters every season.

<b>Performance standards</b>	<p>1.1 Identify the scientific and common names of the Humpback whale;</p> <p>1.2 Describe the key features of the habitat, and worldwide distribution, and migration of the Humpback whale; and</p> <p>1.3 Describe the distinguishing features of the Humpback whale.</p>
<b>Learning Outcome 2 (LO2)</b>	Demonstrate knowledge of anatomical and behavioural features of the Humpback whale.
<b>Performance Standards</b>	<p>2.1 The main anatomical features of the Humpback are identified and/or located;</p> <p>2.2 The function of each of the main anatomical features are described; and</p> <p>2.3 The main anatomical and behavioural differences between Humpback males and females are described.</p>
<b>Learning Outcome 3 (LO3)</b>	Demonstrate knowledge of the feeding, reproduction and life cycle of the Humpback whale.
<b>Performance standards</b>	<p>3.1 The stages of the life cycle of the Humpback whale are described;</p> <p>3.2 The main changes (structural and behavioural) that occur during each stage of the life cycle of the Humpback whale are described; and</p> <p>3.3 The feeding method and food source at each stage of the life cycle of the Humpback whale are described.</p>
<b>Learning Outcome 4 (LO4)</b>	Demonstrate knowledge of factors that influence the growth of the Humpback whale.
<b>Performance standards</b>	<p>4.1 The main factors that influence the life and growth of Humpback whales are described;</p> <p>4.2 The impact of each factor (in 4.1) on the growth of the Humpback whale are described; and</p> <p>4.3 The optimum growth conditions for each factor are described.</p>
<b>Learning Outcome 5 (LO5)</b>	Demonstrate knowledge of abnormal features (structural or behavioural) that indicate potential Humpback whale health issues.
<b>Performance standards</b>	5.1 Abnormal features and/or behaviours that indicate a potential health issue with Humpback Whales are described.

<b>Learning Outcome 6 (LO6)</b>	Demonstrate knowledge of the history of whaling in Tonga.
<b>Performance standards</b>	6.1 The earliest forms of whaling in Tonga are described; and 6.2 The significance of major events in the history of whaling in Tonga is described
<b>Learning Outcome 7 (LO7)</b>	Demonstrate knowledge of Tongan culture in relation to whales and of interest to visitors
<b>Performance standards</b>	7.1 The relationships between Tongan culture and whales are identified;  7.2 The relevance of whales to elements of Tongan culture is described; and  7.3 Two sources of information are identified which provide details of a selected aspect of Tongan culture and whales.
<b>Pre-requisites</b>	N/A
<b>Co-requisites</b>	NS021-04 and NS023-04
<b>Underpinning skill and knowledge</b>	Research skills, General Science knowledge, Communication skills (Tongan and English), Map reading skills, Knowledge of location of countries on the world map, Names and location of main seas and oceans, Tongan culture and traditions.
<b>Suggested assessment methods</b>	<u>1) Written theory Examination (60%).</u> <u>2) Practical Coursework (40%).</u> <u>Examples:</u>  a) Research and presentation on Tongan culture and whales;  b) Chart/Poster making (e.g. Safety swimming with whales.)  PLEASE NOTE: This unit is competency-based. Refer to the section on Requirements to complete this unit for more information. Please consider this this in your design and plan of assessment.
<b>Resource</b>	1. Conventional physical resources such as classroom, student

<b>requirements</b>	<p>desks, etc.;</p> <ol style="list-style-type: none"> <li>2. Computers plus internet access for students and staff;</li> <li>3. Relevant reading resources; and</li> <li>4. Unit outline.</li> </ol>
<b>Moderation arrangements</b>	<p>Provider approved moderation processes, OR TNQAB Moderation processes.</p>
<b>Requirements to complete this unit</b>	<p>Competency requirement for this unit is 90% (i.e. students must attain 90% or more of the performance standards to complete this unit). Those who fail to be competent after three (3) attempts will be required to re-enrol in the unit.</p>
<b>Public comments on unit</b>	<p>Please contact TNQAB National Qualifications Unit (email <a href="mailto:EnquireNQ@tnqab.to">EnquireNQ@tnqab.to</a> or Telephone 28136) if you like to discuss or suggest changes to the details of this unit.</p>