

Title	Collect scientific data while diving in a blue water environment		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to: manage safety tethers during blue water dive; manage reference line during blue water dive; act as safety diver during blue water dive; act as working diver during blue water dive; and collect scientific data while blue water diving.
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Classification	Diving > Diving - Scientific
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Available grade	Achieved
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Prerequisites	A current fit to dive medical clearance signed by a physician. Unit 28392, <i>Scuba dive in open water to a maximum depth of 18 metres</i> , and Unit 28404, <i>Complete scuba dives in open water to depths between 18 and 40 metres</i> ; or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 All learning and assessment leading to this unit standard must be carried out in accordance with the following as relevant:
 - legislation including the Health and Safety at Work Act 2015, Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, Accident Compensation Act 2001, and subsequent amendments;
 - *Working Safely in the Occupational Diving, Snorkelling, and Free-Diving Industries – A Guide for PCBUs* (WorkSafe, March 2020) and any supplementary publications, or any subsequent editions;
 - industry technical and safety criteria.

- 2 Definitions

Blue water environment refers to an environment that is without visible reference points.

Industry technical and safety criteria refer to dive instruction, supervision and performance being carried out in accordance with the standards, procedures and training materials of the respective dive training agency. The agency must meet or exceed the World Recreational Scuba Training Council training standards.

Outcomes and performance criteria

Outcome 1

Manage safety tethers during blue water dive.

Performance criteria

- 1.1 Communicate and understand messages using safety tethers.
- 1.2 Monitor safety tethers to ensure they do not droop or tangle at any stage of the dive.
- 1.3 Monitor diver to ensure he or she is attached to safety tethers at all times during dive.

Outcome 2

Manage reference line during blue water dive.

Performance criteria

- 2.1 Place and manage reference line to allow for minimum negative effect of wind and waves.
- 2.2 Weight reference line to allow for maximum vertical drag.

Outcome 3

Act as safety diver during blue water dive.

Performance criteria

- 3.1 Monitor depth and condition of all working divers.
- 3.2 Monitor safety tether to ensure optimum efficiency of use.
- 3.3 Scan environment continuously for hazards.
- 3.4 Take account of working diver safety at all times during dive.

Outcome 4

Act as working diver during blue water dive.

Performance criteria

- 4.1 Assemble or disassemble, use and maintain selected scuba dive equipment.
- 4.2 Visually scan environment for hazards whenever scientific work allows.

Outcome 5

Collect scientific data while blue water diving.

Performance criteria

- 5.1 Confirm knowledge of data to be collected matches requirements of dive.
- 5.2 Blue water dive to allow scientific data collection to occur.
- 5.3 Collect scientific data to meet requirements of client.
- 5.4 Collect scientific data that are statistically significant.

Planned review date	31 December 2025
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 December 1996	31 December 2022
Revision	2	17 July 2001	31 December 2022
Review	3	25 March 2021	N/A

Consent and Moderation Requirements (CMR) reference	0099
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Skills Active Aotearoa Limited info@skillsactive.org.nz if you wish to suggest changes to the content of this unit standard.