

Title	Demonstrate basic raft guiding skills on Grade II whitewater		
Level	3	Credits	8

Purpose	People credited with this unit standard are able to demonstrate: knowledge of the New Zealand whitewater rafting industry and an understanding of commonly rafted rivers; knowledge of rafting equipment and its use in a whitewater rafting context; an understanding of how water moves in a riverbed and common hazards and features; the ability to move confidently in the river environment; knowledge of basic river rescue; basic raft guiding technique with other paddlers on board; and the ability to guide clients on Grade II river trips in a manner that promotes client safety while providing an experience that takes into account their expectations and needs.
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Classification	Outdoor Recreation > Rafting
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Available grade	Achieved
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Entry information	
Critical health and safety prerequisites	Unit 6401, <i>Provide first aid</i> , or demonstrate equivalent knowledge and skills.

Explanatory notes

- 1 All activities must comply with the policies, procedures and requirements of the operator involved and any relevant legislative and/or regulatory requirements which include but are not limited to – Department of Conservation, *New Zealand Environmental Care Code* and *New Zealand Water Care Code*; Health and Safety in Employment Act 1992; Injury Prevention, Rehabilitation and Compensation Act 2001; Maritime Transport Act 1994; Maritime Rule Part 80 *Marine Craft Involved in Adventure Tourism*; Maritime Rule Part 91 *Navigation Safety Rules*; and their subsequent amendments.
- 2 All river guiding activities must be logged. Logged information must include but is not limited to – dates, river, section, duration, water level, grade, craft type, trip leader, participant and guide numbers, accidents and incidents. Log books can be obtained from the New Zealand Rafting Association <http://www.nz-rafting.co.nz>.
- 3 Behaviour during assessment demonstrates environmental care and consideration of other river users, consistent with the *Environmental Care Code* and *Water Care Code*, and current industry practice.

4 Definitions

Current industry practice refers to practices promoted through industry national forums, newsletters and assessments, and which are generally accepted by experienced practitioners as safe and relevant. These will be consistent with any applicable regulatory requirements and/or manufacturers' recommendations. Applicable regulatory requirements and manufacturers' recommendations may be specified in evidence requirements where particular emphasis is required.

MNZ is Maritime New Zealand and is the governing body for NZ Rafting.

NZRA is the New Zealand Rafting Association and is the national governing body for rafting and whitewater boarding operations.

Skills Active Aotearoa is the Sport, Fitness, and Recreation Industry Training Organisation.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of the New Zealand whitewater rafting industry and an understanding of commonly rafted rivers.

Evidence requirements

- 1.1 The roles of MNZ, Skills Active Aotearoa and NZRA are described, including their individual roles in the raft guide training pathway.
- Range National Raft Guide Grade II, National Raft Guide, Senior Raft Guide (Grade III and Grade IV/V).
- 1.2 The grade and nature of commonly rafted sections of rivers in New Zealand are named and described.
- Range braided, single channel, gorged, pool drop, continuous.
- 1.3 The ethics supporting positive interaction with other river users are described.
- Range kayakers, anglers, landowners, jet boats, swimmers.
- 1.4 An understanding of the Department of Conservation's New Zealand Environmental Care and Water Care Code is demonstrated.
- 1.5 Weather and river flow information is gathered and used from a variety of sources.
- Range sources may include – other river users, internet, newspaper, guide books.

Outcome 2

Demonstrate knowledge of rafting equipment and its use in a whitewater rafting context.

Evidence requirements

- 2.1 Raft construction and design is described, including their limitations.
- Range hypalon, PVC, chambers, thwarts, baffles, D-rings, grab lines, self-bailers/bucket boats.
- 2.2 Standard equipment required for a raft trip is identified and its use is described.
- Range repair kit, first aid kit, pump, paddles, oars, rescue kit, bailers, throw bag, sweep kit.
- 2.3 Raft care and handling techniques are described.
- Range inflation, deflation, loading, transportation, storage.
- 2.4 A raft guide's personal equipment is described.
- Range helmet, Personal Floating Device, footwear, knife, throw bag, karabiners, slings, Prusik, whistle, clothing, flip line.
- 2.5 The contents of an appropriate repair kit are described and simple repairs are carried out.
- Range glue (to suit raft type), solvent, hardener /reactor, brush, rag, marker, gloves, mask, cutting instrument, sandpaper, spare parts, tools.
- 2.6 Types of ropes used are identified and described according to their applications in a rafting context.
- Range dynamic, static;
three different ropes are identified and described.

Outcome 3

Demonstrate an understanding of how water moves in a riverbed and common hazards and features.

Evidence requirements

- 3.1 A basic understanding of river hydrology (river dynamics) is demonstrated.
- Range eddies, boils, eddy lines, waves, reversals, seams, cushions (buffer, pillow), helical and laminar flow, volume.

3.2 Hazards are identified and the danger they present to the river user is described.

Range strainers, undercuts, reversals, sieves, eddy lines or seams, flooded rivers.

3.3 The international river grading system is described.

Range nature of water at each grade, degree of danger and/or difficulty at each grade.

Outcome 4

Demonstrate the ability to move confidently in the river environment.

Evidence requirements

4.1 Confident movement in and around Grade II water is demonstrated.

Range move quickly and confidently on the riverbank, survival dive (dive flat) into water, jump from a height, head-up swim technique, whitewater float through wave trains, access midstream eddies and rocks, river crossing (solo and mutual support).

4.2 Strong swimmer rescue is demonstrated.

Outcome 5

Demonstrate knowledge of basic river rescue.

Evidence requirements

5.1 Knowledge of standard industry river signals is demonstrated.

Range stop/go, left/right, OK, swimmer numbers, eddy out, cover/safety, first aid, lost paddle, come to me, rope required, last boat, point positive, look, do not know (unsure), whistle blast for attention, three short whistle blasts for emergency.

5.2 Knots that are commonly used by industry are demonstrated.

Range bowline, clove hitch, tension hitch, figure-eight (double loop, follow through, on a bight, directional), fisherman's, tape knot, half hitch, Prusik, Italian hitch, sheet bend, alpine butterfly.

5.3 Throw bag rescues are demonstrated.

Range tidy bag storage, throw of full bag length, accuracy to stationary and moving targets, site selection, throw coils, live bait rescue (swim to a victim with a throw bag attached to a releasable tow line).

5.4 Knowledge of raft wrap avoidance and some basic recovery theory are demonstrated.

Range 10 boy scouts, vector pull, use of over commands and weight shifts to dislodge stuck rafts.

5.5 A raft is flipped and re-righted in Grade II moving water.

Outcome 6

Demonstrate basic raft guiding technique with other paddlers on board.

Evidence requirements

6.1 On-raft seating positions are demonstrated.

Range guide, other paddlers.

6.2 A safety and paddle briefing is presented to other paddlers.

Range must include but is not limited to – introductions, falling out, whitewater float position, 'hold on' command, throw bag rescue, self rescue, flips, entrapment, medical conditions, basic paddle commands and execution, positions within the raft and their execution.

6.3 Paddle strokes are demonstrated.

Range forward, back, draw, pry, river-J-stroke (forward pry), sweep strokes, personal paddling.

6.4 Paddle strokes are combined for on river raft control.

Range ferry glides (forward and back), breaking into and out of eddies, manoeuvring of a raft with no crew assistance, manoeuvre raft with crew commands only (no guide paddle) in Grade II, describe and run a route through a designated rapid.

6.5 Guiding skills are used to control the raft down the river.

Outcome 7

Demonstrate the ability to guide clients on Grade II river trips in a manner that promotes client safety while providing an experience that takes into account their expectations and needs.

Evidence requirements

7.1 Clients are assessed and seated according to their ability, expectations and needs.

- 7.2 Instructions to clients ensure the safe and efficient handling of the raft on land and water.
- 7.3 Appropriate spacing on multi-boat trips is maintained.
- Range visual contact, truck and trailer, leapfrog safety.
- 7.4 Effective use of crew in wrap avoidance, dislodging stuck rafts and effective manoeuvring in tight situations is demonstrated.
- 7.5 Safe lines through Grade II rapids are selected and run.

Planned review date	31 December 2014
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	21 March 2005	N/A
Revision	2	26 January 2007	N/A
Review	3	17 September 2010	N/A

Accreditation and Moderation Action Plan (AMAP) reference	0099
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This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Consent requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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.