

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.

This unit standard is part of the National Raft Guide Award Grade II.

Subfield Outdoor Recreation

Domain Rafting

Status Registered

Status date 21 March 2005

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Entry information Prerequisite: Units 6401, *Provide first aid*, or demonstrate equivalent knowledge and skills.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Sport, Fitness and Recreation Industry Training Organisation – Outdoor Recreation

Accreditation and Moderation Action Plan (AMAP) reference 0102

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Special notes

- 1 *Maritime NZ* is the governing body for NZ Rafting; *NZRA* is the New Zealand Rafting Association and is the industry voice organisation; *Sfrito* is the Sport, Fitness, and Recreation Industry Training Organisation.
- 2 All activities must comply with the policies and requirements of the enterprise involved and any relevant legislative and/or regulatory requirements which include but are not limited to: *New Zealand Environmental Care Code*, *New Zealand Water Care Code*, Health and Safety in Employment Act 1992, Injury Prevention, Rehabilitation, and Compensation Act 2001, Maritime NZ Rule Part 80B; and their subsequent amendments. The *New Zealand Environmental Care Code* and *New Zealand Water Care Code* are available from the Department of Conservation, Head Office, PO Box 10420, Wellington, <http://www.doc.govt.nz/>.
- 3 All guiding activities must be logged. Logged information must include but is not limited to – dates, river, section, duration, water level, grade, rafts, trip leader, client and guide numbers, accidents and incidents.
- 4 There are minimum assessor requirements for assessment against this unit standard. The details of these requirements are available on the Sfrito website <http://www.sfrito.org.nz/>.

Elements and performance criteria

Element 1

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

Performance criteria

- 1.1 The roles of Maritime NZ, Sfrito 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 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 Code and New Zealand Water Care Code is demonstrated.

- 1.5 Weather and river flow information is gathered and utilised from a variety of sources.
- Range sources may include – other river users, internet, newspaper, guide books.

Element 2

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

Performance criteria

- 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, prussik, 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.

Element 3

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

Performance criteria

- 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.

Element 4

Demonstrate the ability to move confidently in the river environment.

Performance criteria

- 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.
- Range swim out to a person, tow them ashore.

Element 5

Demonstrate knowledge of basic river rescue.

Performance criteria

- 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, prussik, 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.
- Range climb aboard the up turned raft, re-right it, regain raft and crew.

Element 6

Demonstrate basic raft guiding technique with other paddlers on board.

Performance criteria

- 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.

Element 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.

Performance criteria

7.1 Crews 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 Lines through Grade II rapids are selected and run.

Please note

Providers must be accredited by the Qualifications Authority, 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 accredited by the Qualifications Authority before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation 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 the Sport, Fitness and Recreation Industry Training Organisation info@sfrito.org.nz if you wish to suggest changes to the content of this unit standard.