

Cave 2

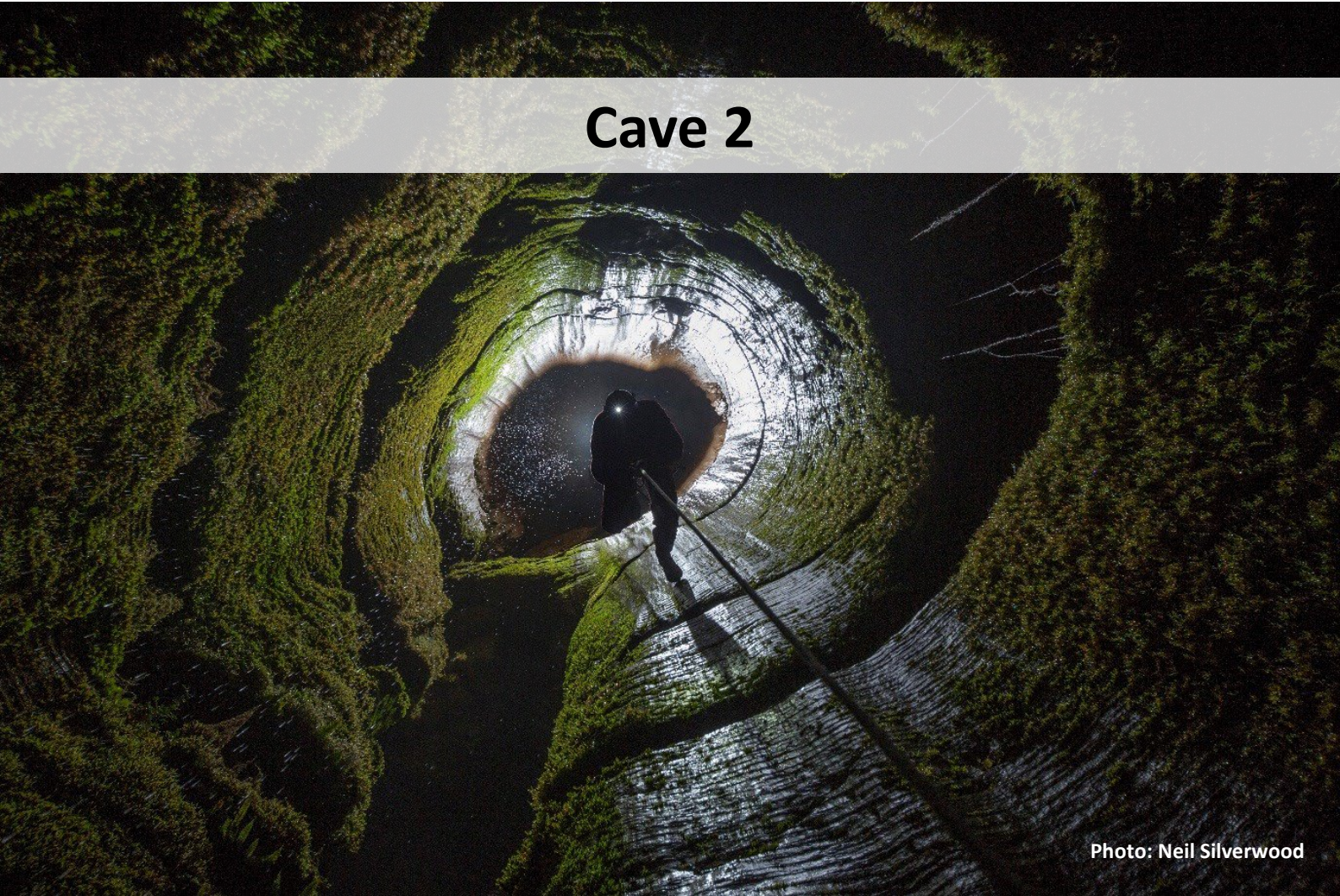


Photo: Neil Silverwood

Scope and Syllabus

With the support of:



NZOIA™ Cave 2

Scope

Cave 2 Profile

The NZOIA Cave 2 is able to:

- Plan and prepare for multi-pitch deep cave experiences
- Instruct and manage clients during multi-pitch cave experiences
- Teach safe, well managed Single Rope Technique (SRT) sessions
- Apply effective safety management
- Prepare and deliver teaching sessions
- Role model and promote accepted environmental practices
- Provide interpretive information about sites visited

Scope

The holder of this qualification can organise, instruct and guide all aspects of caving including multi-pitch experiences in deep caves where wet pitches may be experienced and comprehensive SRT courses.

Prerequisites

Be a current Registered Member of NZOIA

Be 20 years old or over

Hold a current First Aid Certificate

Hold a current NZOIA Cave 1 qualification. Refer to NZOIA's policy for exemptions.

Have the following experience as evidence in a logbook:

Total experience – at least 80 days experience in at least 10 different caves including:

Personal experience - at least 40 days personal cave experience (a cave day is considered to be at least 4 hours underground) including a minimum of one multi-day trip requiring overnighting underground, and a minimum of three caves greater than 200m in depth

Instructional experience - at least 20 days instructing, leading or guiding groups in caves. At least 5 of these days will include co-instructing or working as an assistant instructor/trainee beyond the scope of Cave 1.

The prerequisite experience requirements are minimums, extra days are recommended so that a broad range of experience is gained. Experience will include co-instructing/guiding or working as an assistant instructor/guide.

Registration and Revalidation

Registration and revalidation with NZOIA provide proof of currency for NZOIA qualification holders.

Syllabus

Assessment Notes

The syllabus outlines what the content of the assessment will include and gives an idea of what assessment tasks the candidate will be asked to complete. All judgements on how the candidate meets the syllabus must be based on current good practice and industry standards.

Assessors use three types of direct evidence to judge a candidate's competency:

- Written questions/assignment
- Questioning and discussion
- Observation of practical tasks

Technical Competence

1. Demonstrate an in depth knowledge of caving history and ethics

The candidate will demonstrate an understanding and awareness of:

- 1.1** The development of speleology as a sport and current developments and trends
- 1.2** The NZ Speleological Society's role in caving
- 1.3** The NZ Speleological Society's ethical Code for cavers
- 1.4** The NZ Cave Search and Rescue (SAR) system and the cavers role
- 1.5** Cave surveying and mapping skills

2. Demonstrate the care and correct use of cave equipment and clothing

The candidate will:

- 2.1** Carry and use equipment that is in good condition, well maintained and is used in accordance with the manufacturer's recommendations and current good practice
- 2.2** Describe the advantages and disadvantages of current equipment and clothing used for caving and reasons for choice e.g. lights, static rope, tubular tape, abseil and belay devices, prussik cord, helmets, harness, karabiner types, cowstails/lanyards, rack, rapides, pulley, bolts and hangers, jammers, chest harness
- 2.3** Carry and use the appropriate clothing for the environmental conditions
- 2.4** Complete a pre-activity check of equipment and describe how to identify worn/damaged equipment and the recommended maximum life for use of equipment

3. Demonstrate land and underground navigation to remote and complex cave systems

The candidate will demonstrate the following using topographical and/or cave maps:

- 3.1 Navigate across varied off track terrain in and above the bush line, using a map, compass and/or natural features to locate a given cave site
- 3.2 Navigate through complex cave systems to a clearly defined feature
- 3.3 Locate their position on a map above ground and underground

4. Construct a variety of safe and efficient rigging systems for multi-pitch caving

The candidate will construct at least two multi-pitch rigging systems that demonstrate the use of:

- 4.1 Placed protection e.g. wires, stoppers, hexes, camming devices
- 4.2 Fixed protection e.g. bolts, chains, waratahs, bollards, trees or threads
- 4.3 Linking multi-point anchors (defined as three or more)
- 4.4 Appropriate system and location for the site

5. Demonstrate safe and efficient personal caving techniques

The candidate will demonstrate:

- 5.1 Packing rope bags for leading pitches
- 5.2 Multi-pitch ascending and descending including change overs
- 5.3 Passing a knot on ascent and descent
- 5.4 Constructing and negotiating re-directors and re-belays
- 5.5 Constructing and use of traverse lines
- 5.6 De-rigging without leaving gear or equipment behind

6. Demonstrate safe and efficient SRT rescue skills in a multi-pitch environment

The candidate will demonstrate:

- 6.1 Tying an improvise harness
- 6.2 Rescuing an unconscious caver on a pitch e.g. lower, haul, abseil, mid-rope rescue

The Environment

7. Apply weather interpretation and forecasting skills

The candidate will:

- 7.1 Be able to make a 48-72 hour weather forecast for a given caving area in New Zealand
- 7.2 Demonstrate the ability to anticipate weather conditions from changes in clouds, temperature and wind direction prior to descending into a cave and based on these observations make a 24 hour forecast
- 7.3 Describe the implications to a given cave based on the forecast

8. Role model and promote accepted environmental practices

The candidate will:

- 8.1** Demonstrate and/or describe the responsibilities to land owners and other users including access protocols
- 8.2** Discuss common impacts of visitation on cave features and minimise this through route selection
- 8.3** Discuss the issues with disseminating information about significant or vulnerable caves
- 8.4** Role model and promote the NZ Speleological Society's Code for cavers
- 8.5** Role model and promote the principles of Leave No Trace

9. Demonstrate and/or describe cultural and environmental knowledge and interpretation of cave sites visited

The candidate will demonstrate an in depth understanding of, and provide interpretive information about:

- 9.1** The natural and cultural history of the area
- 9.2** The formation of caves, natural features and types of processes at work e.g. speleothems, sediment deposits, fault lines, rock types, cave lifecycles, cave types, stream and drip
- 9.3** Local flora and fauna

Group Management and Leadership

10. Instruct and manage clients during a multi-pitch cave experience

The candidate will be responsible for clients during a multi-pitch cave experience and demonstrate:

- 10.1** Effective briefing and debriefing
- 10.2** Supervising and coaching clients
- 10.3** A leadership style that is appropriate for the clients; their skill and experience level and their needs
- 10.4** Establishing rapport with clients and having an awareness of their emotional, cultural or other needs
- 10.5** Manage clients safely and effectively both ascending and descending a multi-pitch route

11. Apply effective safety management

The candidate will:

- 11.1** Manage clients' safety by; appropriate route and site selection, harness checks, use of helmets etc.
- 11.2** Use effective communication and a systematic checking system with clients during ascending and abseiling
- 11.3** Have a first aid kit and be able to deal with first aid situations if required

- 11.4** Never compromise their personal safety or the safety of their clients
- 11.5** Demonstrate safe practices and good judgement and decision making within the scope of this qualification

Instruction

12. Prepare and deliver teaching sessions

The candidate will prepare and deliver teaching session that demonstrate:

- 12.1** The selection and preparation of a suitable location or venue appropriate to the lesson
- 12.2** A range of teaching skills e.g. introduction, appropriate voice, language and body language, teaching/visual aids, demonstrations, teachable moments, evaluation of learning
- 12.3** A wide knowledge of the topic of skill
- 12.4** Engaging the clients in a positive learning experience which encourages enthusiasm and interest

13. Instruct safe, well managed and positive learning experiences for clients

The candidate will provide clients with effective instruction in the following:

- 13.1** Rigging for horizontal caves including those that may require short vertical pitches e.g. handlines, traverse lines, abseils
- 13.2** Rigging for vertical, multi-pitch caves e.g. re-belays, re-directors, pendulums
- 13.3** Ascending and descending a multi-pitch route

The candidate must demonstrate that they can use teachable moments to provide clients with effective instruction, coaching, tips or feedback in the skills found in the NZOIA Cave Leader, 1 and 2 Scope and Syllabuses.

The candidate will use:

- 13.4** A logical sequence of teaching progressions
- 13.5** Clear demonstrations and explanations