

## Special Forces Diving Risk Assessment

|                   |        |        |
|-------------------|--------|--------|
| Business Name:    | ABN:   |        |
| Business Address: |        |        |
| Contact Person:   | Phone: | Email: |

### THIS RISK ASSESSMENT IS APPROVED BY THE PCBU ON THIS PROJECT

Under the Work Health and Safety Regulation (WHS Regulation), a person conducting a business or undertaking (PCBU) is required to ensure that a RISK ASSESSMENT is prepared before the proposed work starts.

|            |        |       |
|------------|--------|-------|
| Full Name: |        |       |
| Signature: | Title: | Date: |

### CLIENT OR PRINCIPAL CONTRACTOR DETAILS

|   |                |
|---|----------------|
| Client:   | SCOPE OF WORKS |
| Project Name:                                     |                |
| Project Address:                                  |                |
| Project Manager:                                  |                |
| Contact Phone:                                    |                |
| Date Risk Assessment supplied to Project Manager: |                |

| RISK MATRIX  |   |               |                    |            |  |                |                                   |  |  |
|--|---|---------------|--------------------|------------|--|----------------|-----------------------------------|--|--|
| LIKELIHOOD   | INSIGNIFICANT                               | MINOR         | MODERATE           | MAJOR      | CATASTROPHIC   | SCORE          | ACTION                            | HIERARCHY OF CONTROLS  |  |
| ALMOST CERTAIN   | 3<br>HIGH                                   | 3<br>HIGH     | 4<br>ACUTE         | 4<br>ACUTE | 4<br>ACUTE   |                |                                   | <b>Elimination</b><br>Remove the hazard.   |  |
| LIKELY   | 2<br>MODERATE                               | 3<br>HIGH     | 3<br>HIGH          | 4<br>ACUTE | 4<br>ACUTE   | 4A<br>ACUTE    | DO NOT PROCEED                    | <b>Substitution</b><br>Replace the hazard.   |  |
| POSSIBLE   | 1<br>LOW                                    | 2<br>MODERATE | 3<br>HIGH          | 4<br>ACUTE | 4<br>ACUTE   | 3H<br>HIGH     | Review before work starts.        | Isolation<br>Isolate People from the hazard  |  |
| UNLIKELY   | 1<br>LOW                                    | 1<br>LOW      | 2<br>MODERATE      | 3<br>HIGH  | 4<br>ACUTE   | 2M<br>MODERATE | Ensure control measures in place. | <b>Engineering</b><br>Isolate the hazard   |  |
| RARE   | 1<br>LOW                                    | 1<br>LOW      | 2<br>MODERATE      | 3<br>HIGH  | 3<br>HIGH  | 1L<br>LOW      | Monitor and keep records.         | <b>Administrative</b><br>Change  |  |
|  |   |               |                    |            |  |                |                                   | <b>PPE</b>   |  |
| <b>Risk Rating &amp; Required Action:</b>  |   |               |                    |            |  |                |                                   | <b>Notes on Hierarchy of Controls:</b>   |  |
| 4A Stop work. The risk is intolerable. Eliminate the hazard or redesign the activity before proceeding. A Safe Work Method Statement (SWMS) or higher-level authorisation is required. |   |               |                    |            |  |                |                                   | Remember to apply controls in the preferred order shown by the coloured pyramid:   |  |
| 3H Review and approve additional controls before task starts. Senior supervisor sign-off needed.   |   |               |                    |            |  |                |                                   | 1. <b>Eliminate</b>  |  |
| 2M Ensure all nominated controls are in place and effective. Proceed with caution; monitor conditions.   |   |               |                    |            |  |                |                                   | 2. Substitute  |  |
| 1L Proceed, following standard operating procedures. Monitor and keep records.   |   |               |                    |            |  |                |                                   | 3. Isolate   |  |
|  |   |               |                    |            |  |                |                                   | 4. Engineering   |  |
|  |   |               |                    |            |  |                |                                   | 5. Administrative  |  |
|  |   |               |                    |            |  |                |                                   | 6. PPE   |  |
| <b>Consequence Scale:</b>  |   |               |                    |            |  |                |                                   | Always document <b>why</b> a lower-order control is accepted if elimination or substitution is not reasonably practicable. |  |
| Consequence  | People (injury/illness)                     |               | Project / Assets   |            | Compliance / Reputation                                  |                |                                   |  |  |
| Catastrophic   | Fatality or permanent total disability      |               | project shutdown   |            | Significant regulator intervention; criminal prosecution |                |                                   |  |  |
| Major  | Serious injury/illness (hospital > 5 days)  |               | critical delay     |            | Improvement notice; major media coverage                 |                |                                   |  |  |
| Moderate   | Medical-treatment injury; lost-time > 1 day |               | moderate delay     |            | Minor breach; adverse client comment                     |                |                                   |  |  |
| Minor  | First-aid only, no lost time                |               | negligible delay   |            | Isolated non-conformance                                 |                |                                   |  |  |
| Insignificant  | No injury                                   |               | no schedule impact |            | Deviation caught and corrected on site                   |                |                                   |  |  |
|  |   |               |                    |            |  |                |                                   | <i>aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.</i>      |  |

| JOB STEP            | POTENTIAL HAZARDS                           | IR           | CONTROL MEASURES  | RR            |
|---------------------|---|--------------|---|---------------|
| SPECIFIC WORK STEPS | HAZARDS THAT MAY ARISE                      | INITIAL RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS  | RESIDUAL RISK |
| 1. Preparation      | lack of equipment checks, poor briefing     | 3H           | <ul style="list-style-type: none"> <li>- Conduct thorough equipment checks prior to diving.</li> <li>- Ensure all team members attend a comprehensive briefing.</li> <li>- Verify each member's understanding through a verbal confirmation process.</li> <li>- Create a checklist for all necessary equipment and double-check it.</li> <li>- Assign a safety officer to supervise the preparation phase.</li> <li>- Ensure communication devices are functional.</li> <li>- Review the dive plan in detail prior to departure.</li> <li>- Confirm all documentation is updated and accessible.</li> <li>- Make sure all members have valid diving medical clearance.</li> <li>- Organise a debrief to discuss preparation issues after dive.</li> <li>- Assign roles and responsibilities before the dive begins.</li> <li>- Use visual aids to enhance understanding during briefing.</li> </ul> | 2M            |
| 2. Equipment Load   | overloading gear, improper securing         | 3H           | <ul style="list-style-type: none"> <li>- Appoint a designated loading coordinator.</li> <li>- Refer to weight limitation guide for each vessel.</li> <li>- Use an equipment checklist for proper securing.</li> <li>- Ensure equipment is correctly labelled and packed.</li> <li>- Distribute weight evenly to avoid imbalance.</li> <li>- Train personnel on correct lifting techniques.</li> <li>- Utilise appropriate securing devices for gear.</li> <li>- Conduct a team briefing before loading begins.</li> <li>- Perform a visual check after loading to ensure security.</li> <li>- Confirm experience and competence of all involved personnel.</li> </ul>   | 2M            |
| 3. Transportation   | vehicle accidents, environmental conditions | 3H           | <ul style="list-style-type: none"> <li>- Ensure transportation vehicles are regularly maintained.</li> <li>- Confirm the competency of vehicle operators.</li> <li>- Monitor weather conditions and operational constraints.</li> <li>- Plan for alternative routes in case of obstruction.</li> <li>- Maintain strict communication protocols during transport.</li> <li>- Ensure secure restraint of all equipment.</li> <li>- Validate vehicle load capacity compatibility.</li> </ul>   | 1L            |

| JOB STEP                | POTENTIAL HAZARDS                          | IR           | CONTROL MEASURES  | RR            |
|-------------------------|--|--------------|---|---------------|
| SPECIFIC WORK STEPS     | HAZARDS THAT MAY ARISE                     | INITIAL RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS  | RESIDUAL RISK |
|                         |  |              | <ul style="list-style-type: none"> <li>- Conduct visual checks on vehicles pre and post transportation.</li> <li>- Provide a contingency plan for vehicle breakdowns.</li> <li>- Use GPS tracking for live updates to the base station.</li> </ul>  |               |
| 4. Arrival at Dive Site | slippery surfaces, trip hazards            | 3H           | <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>   | 2M            |
| 5. Pre-Dive Checks      | incorrect gas mixes, equipment failure     | 4A           | <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> | 2M            |
| 6. Entry to Water       | improper entry technique, loss of buoyancy | 3H           | <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>   | 1L            |

| JOB STEP               | POTENTIAL HAZARDS                 | IR           | CONTROL MEASURES   | RR            |
|------------------------|-----------------------------------|--------------|--|---------------|
| SPECIFIC WORK STEPS    | HAZARDS THAT MAY ARISE            | INITIAL RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS | RESIDUAL RISK |
|                        |                                   |              |  |               |
| 7. Descent             | barotrauma, disorientation        | 4A           |  | 2M            |
| 8. At Depth Operations | entanglement, underwater currents | 4A           |  | 2M            |

|                      |    |  |
|----------------------|----|--|
| Failure,<br>as       | 3H |  |
| compression sickness | 4A |  |

| Category                    | Value |
|-----------------------------|-------|
| Incidents, equipment faults | 3H    |
| Alarm, site visits          | 2M    |

| JOB STEP                           | POTENTIAL HAZARDS                          | IR           | CONTROL MEASURES   | RR            |
|------------------------------------|--|--------------|--|---------------|
| SPECIFIC WORK STEPS                | HAZARDS THAT MAY ARISE                     | INITIAL RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS | RESIDUAL RISK |
|                                    |  |              |  |               |
| 15. Equipment Inspection & Storage | damage during storage, unauthorised access | 3H           |  | 1L            |
| 16. Team Debriefing                | miscommunication, inadequate rest          | 2M           |  | 1L            |



| JOB STEP            | POTENTIAL HAZARDS      | IR           | CONTROL MEASURES   | RR            |
|---------------------|------------------------|--------------|--|---------------|
| SPECIFIC WORK STEPS | HAZARDS THAT MAY ARISE | INITIAL RISK | SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS | RESIDUAL RISK |
|                     |                        |              |  |               |

SAMPLE

## EMERGENCY RESPONSE – CALL 000 FOR EMERGENCIES

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

## LEGISLATIVE REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES IF ANY STATE THAT ARE NOT APPLICABLE

### Queensland & Australian Capital Territory

Work Health and Safety Act 2011

Work Health and Safety Regulations 2011

Legislation QLD: <https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws>

Codes of Practice QLD: <https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice>

Legislation ACT: <https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations>

Codes of Practice ACT: <https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice>

### Victoria

Occupational Health and Safety Act 2004

Occupational Health and Safety Regulations 2017

Legislation VIC: <https://www.worksafe.vic.gov.au/occupational-health-and-safety-act-and-regulations>

Codes of Practice VIC: <https://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice>

### New South Wales

Work Health and Safety Act 2011

Work Health and Safety Regulations 2017

Legislation NSW: <https://www.safework.nsw.gov.au/legal-obligations/legislation>

Codes of Practice NSW: <https://www.safework.nsw.gov.au/resource-library/list-codes-of-practice>

### Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: <https://www.commerce.wa.gov.au/worksafe/legislation>

Codes of Practice WA: <https://www.commerce.wa.gov.au/worksafe/codes-practice>

### Northern Territory

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulations 2011

Legislation NT: <https://worksafe.nt.gov.au/laws-and-compliance/workplace-safety-laws>

Codes of Practice NT: <https://worksafe.nt.gov.au/laws-and-compliance/codes-of-practice>

### Safe Work Australia Links

Law and Regulation (All States): <https://www.safeworkaustralia.gov.au/law-and-regulation>

Model Codes of Practice: <https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice>

### Model Codes of Practice

- Managing noise and preventing hearing loss at work
- Confined spaces
- Labelling of workplace hazardous chemicals
- Managing risks of hazardous chemicals in the workplace
- Welding processes
- First aid in the workplace
- Managing the risk of falls at workplaces
- Hazardous manual tasks
- Managing the risk of falls in housing construction
- Managing electrical risks in the workplace
- Demolition work
- Excavation work
- Work health and safety consultation, cooperation and coordination
- Managing the work environment and facilities
- How to manage work health and safety risks
- Managing risks of plant in the workplace
- Construction work

### South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: <https://www.safework.sa.gov.au/resources/legislation>

Codes of Practice for SA: <https://www.safework.sa.gov.au/workplaces/codes-of-practice#COPs>

### Tasmania

Work Health and Safety Act 2012

Work Health and Safety (Transitional and Consequential Provisions) Act 2012

Work Health and Safety Regulations 2012

Work Health and Safety (Transitional) Regulations 2012

Legislation for TAS: <https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations>

Codes of Practice for TAS: <https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice>

Details of permits, licenses or access required by regulatory bodies (add or delete as required):

- Permits from local council
- Authorisation to commence work
- Any required documents.