

Using To	orches Under Water Risk As	ssessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Emai	
THIS RISK ASSESS	MENT IS APPROVED BY THE PC	BU OF TH PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a is prepared before the proposed work starts.	person conducting a busine or ur	ndertaking PCBU required to ensu	ire that a RISK ASSESSMENT
Full Name:			
Signature:		ntle:	Date:
CLY		DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project N			



				F	RISK MATRIX			
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE MA	JOR CATASTROPH			HIERARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH		4 4 JTE ACUTE	SCORE	ACTION	Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	U U U U U U U U U U U U U U U U U U U	4 4 JTE ACUTE	4A ACUTE	DO NOT PROCEED	Substitution Replace the hazard. Isolation	
POSSIBLE	1 LOW	2 MODERATE		4 JTE ACUTE	3H HIGH	Rev before work art	Isolate People from the hazard Engineering Isolate the	
UNLIKELY	1 LOW	1 LOW		3 Z GH ACU E	MC RATE	Ensure control measures in place.	Activité istrativ e Chang	
RARE	1 LOW	1 LOW		3 GH H. 1	1L LOW	Monitor and keep records.	PP	
4A Stop work. The risk is intolerable, uninate the hazary redesign the activity before proceeding. A Safe Work						Notes on Hierarchy of Controls:         Remember to apply controls in the preferred order shown by the coloured pyramid:         1.       Eliminate         2.       Substitute         3.       Isolate         4.       Engineering         5.       Administrative         6.       PPE		
Consequence		injury/illness)	Project / Ass	Significant regula	pliance / Reputat ator intervention; c		Always document why a lower-order control is accepted if	
Catastrophic Major	Fatality or perma Serious injury/illr days)			wn prosecution	prosecution		elimination or substitution is not reasonably practicable. aligned with Safe Work Australia's Managing the risk of fatigue at	
Moderate	Medical-treatmen	nt injury; lost-tim	e > 1 moderate dela	y Minor breach; ad	work (2023) and ISO 45001:2018 clauses 6–8. Minor breach; adverse client comment			
Minor	First-aid only, no	lost time	negligible dela	y Isolated non-con	formance			
Insignificant No injury no schedule impact Deviation caught and corrected on site								



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	Incorrect equipment selection, Equipment failure	ЗН	<ul> <li>Select torches designed specifically for underwateriste</li> <li>Ensure batteries are fully charged before used</li> <li>Inspect torches for damage before usaged</li> <li>Verify all seals are intact and waterproof</li> <li>Use torches rated for the death intended</li> <li>Train staff on the specific equipment used</li> <li>Schedule regular training ince on the equipment</li> <li>Keep a logiciall inspection and matteriant</li> <li>Constitute manufacture guidelines in orch selection</li> <li>Have burgup torus savailable in case of failure</li> </ul>	2M
2. Equipment Inspection	Damaged seals, Batter	21	<ul> <li>Condult a versal inspection for any visible damage</li> <li>check the integral of all O-rings and seals</li> <li>Replace damaged seals before use</li> <li>test battery compartments for leaks</li> <li>Use only manufacturer-recommended batteries</li> <li>Store torches in a dry, cool place</li> <li>Establish a checklist for inspections</li> <li>Train staff to recognise signs of damage</li> <li>Ensure immediate reporting of any issues</li> <li>Retain spare parts for common repairs</li> </ul>	1L
3. Charging Batteries	Overcharging batteries, Short circuiting	ЗН	<ul> <li>Use chargers recommended by the torch manufacturer</li> <li>Designate a safe charging area away from water</li> <li>Monitor charging torches</li> <li>Remove charging cords once batteries are full</li> <li>Keep charging stations clean and dry</li> <li>Schedule staggered charging times to prevent overloading circuits</li> <li>Instruct staff on emergency procedures for electrical faults</li> <li>Position charging stations away from flammable materials</li> </ul>	1L



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			- Install surge protection devices	
			- Implement tagged and tested procedures for all electrical devices	
4. Donning Equipment	Incorrect fitting, Entanglement risks	2M		1L
5. Entering the Water	Slips and falls, Economent snagging	2M		1L
6. Underwater Navigation	Loss of torch light, Poor visibility	ЗН		2M



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7. Avoiding Collision	Colliding with objects, Disturbing aquatic life	ЗН		2М
8. Emergency Situations	Equipment malfuns ar an	зн		2М
9. Exiting the Water	Slippery surfaces, Equipment collisions	2M		1L

Version 2.5

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10. Post Dive Inspection	Discovery of post-dive equipment damage, Misplaced equipment	2М		1L
11. Documentation	Incomplete records, Loss of information	2М		1L
12. Equipment Storage	Improper storage, Theft	2M		1L



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13. Training and Development	Insufficient training, Lack of skill retention	ЗН		2М
14. Risk Review	Unidentified hazards, Ineffective equator measures	ЗН		1L
15. Continuous Improvement	Complacency, Outdated procedures	ЗН		1L



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#### **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 R	EFERENCES
RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEG	SISLATIVE REFERENCES ANY STATE AT 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 an Safety Actor of Occupational Health and Infetiv orgulations 2017 Legis from VIC: <u>https://www.eccurksafe.vic.gov.au/occupational-health-and-safety-act-and- tulations</u> Codes on viactice VICourtps://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: <a href="https://www.safework.nsw.gov.au/legal-obligations/legislative">https://www.safework.nsw.gov.au/legal-obligations/legislative</a> Codes of Practice NSW: <a href="https://www.safework.nsw.gov.au/resource-library/lis">https://www.safework.nsw.gov.au/legal-obligations/legislative</a>	Western Australia Work Health and Safety Act 2020 Work Health and Safety Regulations 2022 Legislation Western Australia: <u>https://www.commerce.wa.gov.au/worksafe/legislation</u> Codes of Practice WA: <u>https://www.commerce.wa.gov.au/worksafe/codes-practice</u>
Northern Territory Work Health and Safety (National Uniform Legislation) Act 2011 Work Health and Safety (National Uniform Legislation) Regulation, 201, Legislation NT: <u>https://worksafe.nt.gov.au/laws-and-compliance/wo</u> place- Codes of Practice NT: <u>https://worksafe.nt.gov.au/formediatestation</u>	Safe Work Australia Links Law and Regulation (All States): <u>https://www.safeworkaustralia.gov.au/law-and-regulation</u> Model Codes of Practice: <u>https://www.safeworkaustralia.gov.au/resources-publications/model- codes-of-practice</u>
South Australia Work Health and Safety Act 2012 (SA) Work Health and Safety Regulations 2012 (SA) Legislation for SA: <u>https://www.safework.sa.gov.au/resources/legislation</u> Codes of Practice for SA: <u>https://www.safework.sa.gov.au/work_sa.gov.au/work_saces/codes-of-practice#COPs</u>	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
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: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a> Codes of Practice for TAS: <a href="https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice">https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice</a>	<ul> <li>First aid in the workplace</li> <li>Managing the risk of falls at workplaces</li> <li>Hazardous manual tasks</li> <li>Managing the risk of falls in housing construction</li> <li>Managing electrical risks in the workplace</li> <li>Demolition work</li> <li>Excavation work</li> </ul>
Details of permits, licenses or access required by regulatory bodies (add or delete as required): - Permits from local council - Authorisation to commence work	<ul> <li>Work health and safety consultation, cooperation and coordination</li> <li>Managing the work environment and facilities</li> <li>How to manage work health and safety risks</li> <li>Managing risks of plant in the workplace</li> <li>Construction work</li> </ul>

- Any required documents.