

Maintaining	Underwater Exhibits Risk	Assessment	
Business Name:		ABN:	
Business Address:			
Contact Person:	Phone:	Ema.	
THIS RISK ASSESSI	MENT IS APPROVED BY THE PC	BU ON W PROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a pis prepared before the proposed work starts.	person conducting a busine or un	ndertaking PCBU required to ensur	re that a RISK ASSESSMENT
Full Name:			
Signature:		ritle:	Date:
CL	OR PRICEIN LCO. TRACTOR I	DETAILS	
Client:		SCOPE OF	WORKS
Project Name:			
Project Address:			
Project Manager:			
Contact Phone:			
Date Risk Assessment supplied to Project Iv.			



#### **RISK MATRIX LIKELIHOOD** INSIGNIFICANT MINOR MODERATE MAJOR CATASTROPHIC HIERARCHY OF CONTROLS SCORE ACTION Elimination ALMOST 3 HIGH 3 HIGH 4 4 ACUTE ACUTE ACUTE **CERTAIN** Remove the hazard. Substitution 4 4 DO NOT Replace the hazard. LIKELY MODERATE HIGH HIGH ACUTE ACUTE ACUTE ROCEED Isolation Isolate People from the hazard 2 3 4 3H Rev before POSSIBLE MODERATE ACUTE ACUTE LOW HIGH HIGH. work Engineering Isolate the l/Acchanich. Ensure control 2 3 2M istrativ UNLIKELY measures in LOW LOW MODERATE HIGH ACU RATE е place. Chang 2 MODERATE 3 HIGH 1L Monitor and RARE LOW LOW LOW keep records.

### Risk Rating & Required Action:

4A	Stop work. The risk is intolerable,	minate the hazard	redesign the activity before proceeding. A Safe Work
	Method Statement (SWMS) or hi	er-level authorisation	is required.
3H	Review and approve additional c	role ask	arts. Senior supervisor sign-off needed.
2M	Ensure all nominated controls are in	prace and efficive	Proceed with caution; monitor conditions.
1L	Proceed, following standard operating	ng procedurer //oni	itor and keep records.

### **Consequence Scale:**

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

### Notes on Hierarchy of Controls:

Remember to apply controls in the preferred order shown by the coloured pyramid:

- 1. Éliminate
- 2. Substitute
- 3. Isolate
- 4. Engineering
- 5. Administrative
- 6. PPE

Always document **why** a lower-order control is accepted if elimination or substitution is not reasonably practicable.

aligned with Safe Work Australia's Managing the risk of fatigue at work (2023) and ISO 45001:2018 clauses 6–8.



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	slippery floors, inadequate equipment	ЗН	<ul> <li>Conduct a pre-inspection of the area to identify any existing hazards.</li> <li>Use non-slip mats on wet surfaces.</li> <li>Ensure all necessary equipment is in good forking orde.</li> <li>Train staff on hazard identification and the invertere e of reporting hazards.</li> <li>Use signage to warn of wet and slippery areas.</li> <li>Schedule maintenance during by traffic times.</li> <li>Review procedure regardly to conure they remain effective.</li> <li>Provide an enforce the unof appointance wear.</li> <li>Implement a morting as chanism for any equipment.</li> <li>Train Sandin basing quipment checks prior to use.</li> </ul>	2M
2. Equipment Checking	equipment malfunction		<ul> <li>Implement a cigular resintenance schedule for all equipment.</li> <li>Insure of equipment is tested for electrical safety regularly.</li> <li>Prove thining for safe handling of electrical equipment.</li> <li>Isse equipment only when anti-electrocution devices are in place.</li> <li>Conduct checks before use to ensure equipment functionality.</li> <li>Use waterproof casing for electrical parts.</li> <li>Restrict access to certified personnel only for high-risk tasks.</li> <li>Implement lockout/tagout procedures when maintenance is underway.</li> <li>Maintain an up-to-date log of equipment inspections and faults.</li> <li>Ensure emergency power-off switches are easily accessible.</li> </ul>	2M
3. Assess Exhibit Conditions	poor visibility, unexpected wildlife behavior	ЗН	<ul> <li>Use high-quality, waterproof torches for better visibility.</li> <li>Monitor wildlife behaviors continuously during maintenance.</li> <li>Schedule work during times of least wildlife activity.</li> <li>Have emergency procedures in place for wildlife encounters.</li> <li>Train workers on species-specific behaviors.</li> <li>Use a buddy system to enhance observation and communication.</li> <li>Install underwater communication systems for clarity.</li> <li>Conduct a briefing before commencing work.</li> </ul>	1L



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			- Provide protective gear suitable for wildlife interactions.	
			- Ensure reliable two-way communication with surface personnel.	
4. Diving Equipment Suit-Up	equipment failure, incorrect fitting	4A		2M
5. Entering Water	poor entry techniques, disorientation	ЗН		1L
6. Performing Maintenance Tasks	underwater entrapment, tool misuse	4A		2M



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7. Communicating During Dive	miscommunication, equipment interference	3H		1L
8. Exiting Water	insufficient exit processes exhaustion	зн		1L
9. Equipment Cleaning and Storage	chemical exposure, damage to equipment	ЗН		1L



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10. Reviewing Performance	incomplete data collection, biased feedback	3H		1L
11. Evaluating Health Conditions	undiagnosed health issues, inadequations for task	4A		2M
12. Emergency Response Planning	lack of preparation, inefficient communication	4A		2M

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Review Date:



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13. Continuous Training and Development	outdated practices, knowledge gaps	ЗН		1L
14. Monitoring and Reporting	failure to track incidents inaccurative reporting	4A		2M
15. Reviewing Risk Assessments	unaddressed risks, outdated risk evaluations	ЗН		1L



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16. Environmental Monitoring	pollution, habitability issues	4A		2M
17. Scheduling and Supervision	work overload, insufficient supervision	ЗН		1L
18. Post-Maintenance Review	incomplete task evaluation, ignored feedback	3H		1L



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19. Continuous Improvement Programs	resistance to change, lack of buy-in	ЗН		1L
20. Exit Analysis	missing critical information, bias in analysis	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 REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES. ANY STATE OF 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

### **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/legislatide

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis > odes-oi racti

### **Northern Territory**

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wo\_place-

Codes of Practice NT: https://worksafe.nt.gov.au/f

#### 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/work\_aces/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.

### Victoria

Occupational Health al. Safety Act

Occupational Health and Infety gulations 2017

Legis on VIC: https://www.csafe.vic.gov.au/occupational-health-and-safety-act-and-

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tes of actice VIC attps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice

### Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: <a href="https://www.commerce.wa.gov.au/worksafe/legislation">https://www.commerce.wa.gov.au/worksafe/legislation</a> Codes of Practice WA: <a href="https://www.commerce.wa.gov.au/worksafe/codes-practice">https://www.commerce.wa.gov.au/worksafe/codes-practice</a>

### Safe Work Australia Links

Law and Regulation (All States): <a href="https://www.safeworkaustralia.gov.au/law-and-regulation">https://www.safeworkaustralia.gov.au/law-and-regulation</a> Model Codes of Practice: <a href="https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice">https://www.safeworkaustralia.gov.au/resources-publications/model-codes-of-practice</a>

### **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