

Project: Bullhole Ferry Berth

Title: Project Risk Register

Date: Rev P01 29th September 2022

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Checked by Paul Webber

Status: For Information

| RISK IDENTIFICATION | | | | | | | CURRENT RISK ASSESSMENT | | | | | | Proposed Mitigation | | | POST TREATMENT RISK SCORE | | | | | | | | |
|------------------------|---------------|---------------------------------|--------------------|---|---|---|-------------------------|------|------|---------|----------------|------------|---------------------|--|--------------|---------------------------|-------------|------|---------|----------------|--------|------|--------|-------------|
| Risk ID | Contract Name | Project Name / Sub Project Name | Category | Risk Description | Cause | Consequence / Effect | Probability | Cost | Time | Quality | Sustainability | Reputation | Safety | Actions proposed | Action Owner | Action Due Date | Probability | Time | Quality | Sustainability | Legacy | Cost | Safety | ROAG Status |
| STRATEGIC RISKS | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Bullhole | Structural Assessment | Existing Condition | Historic repairs to the piles have failed. | Combination of ongoing corrosion and historic abnormal berthing impact | Catastrophic structural failure if subject to future abnormal berthing. Potential damage to vessel or injury to operators. | 4 | 4 | 4 | 1 | 2 | 3 | 4 | Repairs to pile as detailed on AECOM drawings | CMAL | ASAP | 2 | 2 | 1 | 1 | 2 | 1 | 1 | |
| 2 | Bullhole | Structural Assessment | Existing Condition | Structural steelwork has experienced extensive corrosion. This has reduced the capacity of the structure. | Lack of corrosion protection system | Current capacity is at limit of requirement for abnormal berthing. | 4 | 4 | 4 | 1 | 2 | 3 | 4 | Repairs to structure as detailed on AECOM drawings | CMAL | 31/01/2023 | 2 | 4 | 1 | 1 | 2 | 2 | 2 | |
| 3 | Bullhole | Structural Assessment | Existing Condition | Ongoing corrosion will continue to reduce the capacity. | Lack of corrosion protection system | Capacity will reduce further if corrosion continues, resulting in failure of the structure. | 4 | 4 | 2 | 1 | 1 | 2 | 3 | Installation of corrosion protection system will reduce the corrosion rate | CMAL | To be determined by CMAL | 3 | 2 | 2 | 1 | 1 | 2 | 2 | |
| 4 | Bullhole | Structural Assessment | Existing Condition | Historic damage to the waling beams | The pile spacing allows the vessel to impact the waling beams | Localised damage to the waling beams. A large impact could lead to damage to the piles via catenary action. | 3 | 4 | 2 | 1 | 1 | 2 | 3 | Repairs to pile as detailed on AECOM drawings | CMAL | 31/01/2023 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | |
| 5 | Bullhole | Structural Assessment | Existing Condition | Undercut has occurred at the foundations | Vessel thrusters have scoured the existing seabed during berthing operations. This is an ongoing issue as part of normal operation. | Loss of material under foundations will weaken the foundations. This can ultimately lead to failure of the structure. | 3 | 4 | 2 | 1 | 1 | 2 | 3 | Undertake maintenance work to foundations as detailed on AECOM drawings | CMAL | 31/01/2023 | 1 | 4 | 2 | 1 | 1 | 2 | 1 | |