

| IMPACT DESCRIPTION | | | Pre-Mitigation | | | | | | | | | | Post Mitigation | | | | | | | Priority Factor Criteria | | | |
|--------------------|-----------------------|---|----------------|-----------|--------|--------|----------|-----------|---------------|-------------|-------------------|---------|-----------------|-----------|------------|----------------|--------------|--------------------|------------|--------------------------|--------------------|-----------------|-------------|
| Identifier | Aspect | Impact | Alternative | Phase | Nature | Extent | Duration | Magnitude | Reversibility | Probability | Pre-mitigation ER | Nature2 | Extent3 | Duration4 | Magnitude5 | Reversibility6 | Probability7 | Post-mitigation ER | Confidence | Cumulative Impact | Irreplaceable loss | Priority Factor | Final score |
| 1 | Marine Ecology | Noise impact on Plankton | Alternative 1 | Operation | -1 | 2 | 1 | 2 | 1 | 2 | -3 | -1 | 2 | 1 | 2 | 1 | 2 | -3 | High | 1 | 1 | 1.00 | -3.00 |
| 2 | Marine Ecology | Noise Impacts on Marine Invertebrates - physiological injury | Alternative 1 | Operation | -1 | 2 | 1 | 2 | 1 | 2 | -3 | -1 | 2 | 1 | 1 | 1 | 2 | -2.5 | High | 1 | 1 | 1.00 | -2.50 |
| 3 | Marine Ecology | Noise Impacts on Marine Invertebrates - behavioural avoidance | Alternative 1 | Operation | -1 | 2 | 1 | 2 | 1 | 2 | -3 | -1 | 2 | 1 | 1 | 1 | 2 | -2.5 | Medium | 1 | 1 | 1.00 | -2.50 |
| 4 | Marine Ecology | Noise impacts on fish - physiological injury | Alternative 1 | Operation | -1 | 2 | 1 | 3 | 1 | 2 | -3.5 | -1 | 2 | 1 | 2 | 1 | 1 | -1.5 | High | 1 | 1 | 1.00 | -1.50 |
| 5 | Marine Ecology | Noise impacts on fish - behavioural avoidance | Alternative 1 | Operation | -1 | 2 | 1 | 3 | 1 | 3 | -5.25 | -1 | 2 | 1 | 2 | 1 | 2 | -3 | Medium | 1 | 1 | 1.00 | -3.00 |
| 6 | Marine Ecology | Noise impacts on fish - reproductive success | Alternative 1 | Operation | -1 | 2 | 1 | 1 | 2 | 1 | -1.5 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | Medium | 1 | 1 | 1.00 | -1.25 |
| 7 | Marine Ecology | Noise impacts on fish - masking of sounds | Alternative 1 | Operation | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | Medium | 1 | 1 | 1.00 | -1.25 |
| 8 | Marine Ecology | Noise impacts on fish - food sources | Alternative 1 | Operation | -1 | 2 | 1 | 2 | 1 | 1 | -1.5 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | High | 1 | 1 | 1.00 | -1.25 |
| 9 | Marine Ecology | Noise impacts on Birds - physiological injury | Alternative 1 | Operation | -1 | 2 | 1 | 2 | 2 | 2 | -3.5 | -1 | 2 | 1 | 1 | 1 | 2 | -2.5 | High | 1 | 1 | 1.00 | -2.50 |
| 10 | Marine Ecology | Noise impacts on Birds - behavioural avoidance | Alternative 1 | Operation | -1 | 2 | 1 | 2 | 1 | 2 | -3 | -1 | 2 | 1 | 1 | 1 | 2 | -2.5 | High | 1 | 1 | 1.00 | -2.50 |
| 11 | Marine Ecology | Noise impacts on Birds - food sources | Alternative 1 | Operation | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | Medium | 1 | 1 | 1.00 | -1.25 |
| 12 | Marine Ecology | Noise impact on turtles - physiological injury | Alternative 1 | Operation | -1 | 2 | 1 | 2 | 2 | 3 | -5.25 | -1 | 2 | 1 | 1 | 1 | 2 | -3 | High | 1 | 1 | 1.00 | -3.00 |
| 13 | Marine Ecology | Noise impact on turtles - behavioural disturbance | Alternative 1 | Operation | -1 | 2 | 1 | 2 | 1 | 2 | -3.00 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | High | 1 | 1 | 1.00 | -1.25 |
| 14 | Marine Ecology | Noise impact on turtles - masking of sounds | Alternative 1 | Operation | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | Medium | 1 | 1 | 1.00 | -1.25 |
| 15 | Marine Ecology | Noise impact on turtles - food sources | Alternative 1 | Operation | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | High | 1 | 1 | 1.00 | -1.25 |
| 16 | Marine Ecology | Noise impact on seals - physiological injury | Alternative 1 | Operation | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | High | 1 | 1 | 1.00 | -1.25 |
| 17 | Marine Ecology | Noise impact on seals - behavioural disturbance | Alternative 1 | Operation | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | High | 1 | 1 | 1.00 | -1.25 |
| 18 | Marine Ecology | Noise impact on seals - masking of sounds | Alternative 1 | Operation | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | Medium | 1 | 1 | 1.00 | -1.25 |
| 19 | Marine Ecology | Noise impact on seals - food sources | Alternative 1 | Operation | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | Medium | 1 | 1 | 1.00 | -1.25 |
| 20 | Marine Ecology | Noise impact on mysticetes - physiological injury | Alternative 1 | Operation | -1 | 2 | 1 | 4 | 3 | 4 | -10.00 | -1 | 2 | 1 | 2 | 2 | 2 | -3.00 | High | 2 | 2 | 1.25 | -3.75 |
| 21 | Marine Ecology | Noise impact on mysticetes - behavioural disturbance | Alternative 1 | Operation | -1 | 3 | 1 | 4 | 3 | 4 | -11.00 | -1 | 3 | 1 | 2 | 1 | 3 | -5.25 | High | 2 | 1 | 1.13 | -5.91 |
| 22 | Marine Ecology | Noise impact on mysticetes - masking of sounds | Alternative 1 | Operation | -1 | 3 | 1 | 4 | 3 | 4 | -9.00 | -1 | 3 | 1 | 3 | 1 | 3 | -6.00 | Medium | 2 | 1 | 1.13 | -6.75 |
| 23 | Marine Ecology | Noise impact on mysticetes - food sources | Alternative 1 | Operation | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | High | 1 | 1 | 1.00 | -1.25 |
| 24 | Marine Ecology | Noise impact on odontocetes - physiological injury | Alternative 1 | Operation | -1 | 3 | 1 | 3 | 3 | 4 | -10.00 | -1 | 3 | 1 | 2 | 2 | 3 | -6.00 | High | 2 | 2 | 1.25 | -7.50 |
| 25 | Marine Ecology | Noise impact on odontocetes - behavioural disturbance | Alternative 1 | Operation | -1 | 4 | 1 | 3 | 3 | 4 | -11.00 | -1 | 4 | 1 | 2 | 2 | 3 | -6.75 | High | 2 | 1 | 1.13 | -7.59 |
| 26 | Marine Ecology | Noise impact on odontocetes - masking of sounds | Alternative 1 | Operation | -1 | 3 | 1 | 3 | 1 | 4 | -8.00 | -1 | 3 | 1 | 2 | 1 | 3 | -5.25 | Medium | 2 | 1 | 1.13 | -5.91 |
| 27 | Marine Ecology | Noise impact on odontocetes - food sources | Alternative 1 | Operation | -1 | 2 | 1 | 2 | 1 | 2 | -3.00 | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | Medium | 1 | 1 | 1.00 | -1.25 |
| 28 | Marine Ecology | Impacts of non-seismic noise | Alternative 1 | Operation | -1 | 1 | 1 | 1 | 1 | 1 | -2.00 | -1 | 1 | 1 | 1 | 1 | 2 | -2.00 | Medium | 1 | 1 | 1.00 | -2.00 |
| 29 | Marine Ecology | Impact of vessel lighting | Alternative 1 | Operation | -1 | 1 | 1 | 2 | 1 | 1 | -1.25 | -1 | 1 | 1 | 2 | 1 | 1 | -1.25 | High | 1 | 1 | 1.00 | -1.25 |
| 30 | Marine Ecology | Ballast water discharges | Alternative 1 | Operation | -1 | 4 | 5 | 3 | 5 | 3 | -12.75 | -1 | 1 | 1 | 1 | 2 | 1 | -1.25 | High | 3 | 2 | 1.38 | -1.72 |
| 31 | Marine Ecology | Routine vessel discharges | Alternative 1 | Operation | -1 | 1 | 1 | 2 | 1 | 2 | -2.50 | -1 | 1 | 1 | 1 | 1 | 1 | -1.00 | High | 1 | 1 | 1.00 | -1.00 |
| 32 | Marine Ecology | Vessel strikes and entanglement | Alternative 1 | Operation | -1 | 2 | 1 | 2 | 2 | 1 | -1.75 | -1 | 1 | 1 | 1 | 1 | 1 | -1.25 | High | 1 | 1 | 1.00 | -1.25 |
| 33 | Marine Ecology | Loss of Equipment | Alternative 1 | Operation | -1 | 2 | 2 | 2 | 1 | 1 | -1.75 | -1 | 1 | 1 | 1 | 1 | 1 | -1.25 | High | 1 | 1 | 1.00 | -1.25 |
| 34 | Marine Ecology | Release of diesel | Alternative 1 | Operation | -1 | 3 | 1 | 3 | 1 | 1 | -2.00 | -1 | 3 | 1 | 1 | 1 | 1 | -1.50 | High | 1 | 1 | 1.00 | -1.50 |
| 35 | Socio-Economic | Job Creation | Alternative 1 | Planning | 1 | 3 | 1 | 1 | 1 | 1 | 1.50 | 1 | 4 | 1 | 3 | 1 | 1 | 2.25 | High | 1 | 1 | 1.00 | 2.25 |
| 35 | Socio-Economic | Job Creation | Alternative 1 | Operation | 1 | 4 | 1 | 3 | 1 | 1 | 2.25 | 1 | 4 | 1 | 3 | 1 | 1 | 2.25 | High | 1 | 1 | 1.00 | 2.25 |
| 36 | Marine Ecology | Noise Nuisance from Vessel and Helicopter Operations | Alternative 1 | Planning | -1 | 2 | 1 | 1 | 1 | 1 | -1.25 | -1 | 1 | 1 | 1 | 1 | 1 | -1.00 | High | 1 | 1 | 1.00 | -1.00 |
| 37 | Marine Ecology | Noise Nuisance from Vessel and Helicopter Operations | Alternative 1 | Operation | -1 | 2 | 2 | 2 | 1 | 3 | -5.25 | -1 | 2 | 2 | 1 | 1 | 2 | -3.00 | High | 1 | 1 | 1.00 | -3.00 |
| 38 | Heritage | Disturbance of Potential Heritage Features | Alternative 1 | Operation | -1 | 2 | 2 | 2 | 3 | 1 | -2.25 | -1 | 1 | 2 | 1 | 3 | 1 | -1.75 | High | 1 | 1 | 1.00 | -1.75 |
| 39 | Socio-Economic | Interference with Existing Uses | Alternative 1 | Planning | -1 | 1 | 1 | 1 | 1 | 1 | -1.00 | -1 | 1 | 1 | 1 | 1 | 1 | -1.00 | High | 1 | 1 | 1.00 | -1.00 |
| 40 | Socio-Economic | Interference with Existing Uses | Alternative 1 | Operation | -1 | 3 | 2 | 2 | 2 | 3 | -6.75 | -1 | 3 | 2 | 1 | 2 | 2 | -4.00 | High | 1 | 1 | 1.00 | -4.00 |
| 41 | Fisheries | Fisheries Exclusion: Tuna pole-line sector | Alternative 1 | Operation | -1 | 3 | 1 | 3 | 1 | 3 | -6.00 | -1 | 3 | 1 | 3 | 1 | 3 | -6.00 | High | 1 | 1 | 1.00 | -6.00 |
| 42 | Fisheries | Fisheries Exclusion: Traditional linefish sector | Alternative 1 | Operation | -1 | 3 | 1 | 2 | 1 | 2 | -3.50 | -1 | 3 | 1 | 2 | 1 | 2 | -3.50 | Medium | 1 | 1 | 1.00 | -3.50 |
| 43 | Fisheries | Fisheries Exclusion: Small-scale sector | Alternative 1 | Operation | -1 | 3 | 1 | 2 | 1 | 2 | -3.50 | -1 | 3 | 1 | 2 | 1 | 2 | -3.50 | Medium | 1 | 1 | 1.00 | -3.50 |
| 44 | Fisheries | Fisheries Exclusion: Demersal longline sector | Alternative 1 | Operation | -1 | 3 | 1 | 1 | 1 | 1 | -1.50 | -1 | 3 | 1 | 1 | 1 | 1 | -1.50 | High | 1 | 1 | 1.00 | -1.50 |
| 45 | Fisheries | Fisheries Exclusion Research: DFFE | Alternative 1 | Operation | -1 | 3 | 1 | 2 | 1 | 3 | -5.25 | -1 | 3 | 1 | 2 | 1 | 3 | -5.25 | High | 1 | 1 | 1.00 | -5.25 |
| 46 | Fisheries | Fisheries Noise: Tuna pole-line sector | Alternative 1 | Operation | -1 | 3 | 1 | 3 | 1 | 3 | -6.00 | -1 | 3 | 1 | 3 | 1 | 3 | -6.00 | High | 1 | 1 | 1.00 | -6.00 |
| 47 | Fisheries | Fisheries Noise: Traditional linefish sector | Alternative 1 | Operation | -1 | 3 | 1 | 2 | 1 | 2 | -3.50 | -1 | 3 | 1 | 2 | 1 | 2 | -3.50 | Medium | 1 | 1 | 1.00 | -3.50 |
| 48 | Fisheries | Fisheries Noise: Small-scale sector | Alternative 1 | Operation | -1 | 3 | 1 | 2 | 1 | 2 | -3.50 | -1 | 3 | 1 | 2 | 1 | 2 | -3.50 | Medium | 1 | 1 | 1.00 | -3.50 |
| 49 | Fisheries | Fisheries Noise: Demersal longline sector | Alternative 1 | Operation | -1 | 3 | 1 | 1 | 1 | 1 | -1.50 | -1 | 3 | 1 | 1 | 1 | 1 | -1.50 | High | 1 | 1 | 1.00 | -1.50 |
| 50 | Fisheries | Fisheries Noise Research: DFFE | Alternative 1 | Operation | -1 | 3 | 1 | 2 | 1 | 3 | -5.25 | -1 | 3 | 1 | 2 | 1 | 3 | -5.25 | High | 1 | 1 | 1.00 | -5.25 |
| 51 | Atmospheric Pollution | Atmospheric Emissions | Alternative 1 | Operation | -1 | 2 | 1 | 1 | 1 | 2 | -2.50 | -1 | 1 | 1 | 1 | 1 | 2 | -2.00 | High | 1 | 1 | 1.00 | -2.00 |
| 52 | No-Go | No-Go Alternative | Alternative 3 | Operation | -1 | 4 | 5 | 2 | 1 | 1 | -3.00 | -1 | 4 | 5 | 2 | 1 | 1 | -3.00 | Low | 1 | 1 | 1.00 | -3.00 |