

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	1	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	1	-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	1	1	2	1	-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	5	2	3	1	3	-8.25	-1	5	2	3	1	3	-8.25	Medium	2	1	1.13	-9.28
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	5	2	3	1	3	-8.25	-1	5	2	3	1	3	-8.25	Medium	2	1	1.13	-9.28
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