

Identifier	Discipline	Impact	Alternative	Phase	Phase						Pre-Mitigation ER	Post-Mitigation ER						Confidence	Cumulative Impact	Irreplaceable loss	Priority Factor	Final score	
					Pre-Nature	Pre-Extent	Pre-Duration	Pre-Magnitude	Pre-Reversibility	Pre-Probability		Post-Nature	Post-Extent	Post-Duration	Post-Magnitude	Post-Reversibility	Post-Probability						Post-mitigation ER
1	Marine Ecology	Impacts of seismic noise on mysticetes and odontocetes	Alternative 1	Operation	-1	4	1	4	1	4	-10	-1	4	1	3	1	2	-4.5	High	2	1	1.13	-5
2	Marine Ecology	Impacts of seismic noise on seals	Alternative 1	Operation	-1	4	1	4	1	1	-2.5	-1	4	1	3	1	1	-2.25	High	1	1	1.00	-2
3	Marine Ecology	Impacts of seismic noise on turtles	Alternative 1	Operation	-1	4	1	4	1	3	-7.5	-1	4	1	2	1	2	-4	High	1	1	1.00	-4
4	Marine Ecology	Impacts of seismic noise on diving seabirds	Alternative 1	Operation	-1	4	1	3	1	3	-6.75	-1	4	1	2	1	2	-4	High	1	1	1.00	-4
5	Marine Ecology	Impacts of seismic noise to pelagic fish	Alternative 1	Operation	-1	4	1	4	1	3	-7.5	-1	4	1	3	1	2	-4.5	High	2	1	1.13	-5
6	Marine Ecology	Impacts of seismic noise to marine invertebrates	Alternative 1	Operation	-1	4	1	2	1	2	-4	-1	4	1	1	1	1	-1.75	High	1	1	1.00	-2
7	Marine Ecology	Impacts of seismic noise to plankton and ichthyoplankton	Alternative 1	Operation	-1	4	1	3	1	2	-4.5	-1	4	1	2	1	2	-4	High	1	1	1.00	-4
8	Marine Ecology	Disturbance and behavioural changes in seabirds, seals, turtles and cetaceans due to vessel noise	Alternative 1	Operation	-1	4	1	2	1	2	-4	-1	4	1	2	1	2	-4	High	2	1	1.13	-5
9	Marine Ecology	Disturbance and behavioural changes in seabirds, seals, turtles and cetaceans due to noise of support aircraft	Alternative 1	Operation	-1	4	1	2	1	2	-4	-1	4	1	2	1	2	-4	High	2	1	1.13	-5
10	Marine Ecology	Disturbance and behavioural changes in pelagic fauna due to vessel lighting	Alternative 1	Operation	-1	4	1	2	1	2	-4	-1	4	1	1	1	2	-3.5	High	1	1	1.00	-4
11	Marine Ecology	Impacts of marine biodiversity through the introduction of non native species in ballast water and on ship hulls	Alternative 1	Operation	-1	4	1	2	1	2	-4	-1	4	1	2	1	2	-4	High	1	1	1.00	-4
12	Marine Ecology	Impacts of normal vessel discharges on marine fauna	Alternative 1	Operation	-1	4	1	1	1	3	-5.25	-1	4	1	1	1	3	-5.25	High	1	1	1.00	-5
13	Marine Ecology	Impacts on turtles and cetaceans due to ship strikes, collision and entanglement with towed equipment	Alternative 1	Operation	-1	4	1	2	1	1	-2	-1	4	1	1	1	1	-1.75	High	1	1	1.00	-2
14	Marine Ecology	Impacts on benthic and pelagic fauna due to accidental loss of equipment to the seabed or the water column	Alternative 1	Operation	-1	4	1	2	2	1	-2.25	-1	4	1	1	2	1	-2	High	1	1	1.00	-2
15	Marine Ecology	Impacts of an operational spill or collision on marine fauna	Alternative 1	Operation	-1	4	2	5	3	2	-7	-1	3	1	3	3	2	-5	High	1	1	1.00	-5
16	Fisheries	Impacts of exclusion from fishing ground on the large pelagic longline sector due to the safety zone around the survey vessel	Alternative 1	Operation	-1	4	1	4	1	4	-10	-1	4	1	4	1	3	-7.5	High	1	1	1.00	-8
17	Fisheries	Impact of Exclusion of the Tuna Pole-Line Sector from access to Fishing Ground	Alternative 1	Operation	-1	4	1	2	1	2	-4	-1	4	1	2	1	2	-4	High	1	1	1.00	-4
18	Fisheries	Impact of Underwater Sound on the Large Pelagic Longline Sector	Alternative 1	Operation	-1	4	1	4	1	4	-10	-1	4	1	4	1	3	-7.5	High	2	1	1.13	-8
19	Fisheries	Impact of Underwater Sound on the Tuna Pole-Line Sector	Alternative 1	Operation	-1	4	1	2	1	2	-4	-1	4	1	2	1	2	-4	High	1	1	1.00	-4
20	Fisheries	Impacts of an operational spill on the large pelagic longline sector	Alternative 1	Operation	-1	4	2	3	3	1	-3	-1	3	1	2	3	1	-2.25	Medium	1	1	1.00	-2
21	Fisheries	Impacts of the unplanned loss of equipment to sea from the survey vessel	Alternative 1	Operation	-1	4	2	2	2	1	-2.5	-1	4	1	2	2	1	-2.25	High	1	1	1.00	-2
22	Heritage	Impacts on Cultural Heritage	Alternative 1	Operation	-1	4	4	3	3	4	-14	-1	4	3	1	3	3	-8.25	Medium	1	1	1.00	-8
23	Social	Impacts of an operational spill or collision on marine fauna	Alternative 1	Operation	-1	4	2	5	3	2	-7	-1	3	1	3	3	2	-5	High	1	1	1.00	-5
24	Social	Impacts on Cultural Heritage	Alternative 1	Operation	-1	4	4	3	3	4	-14	-1	4	3	1	3	3	-8.25	Medium	1	1	1.00	-8
25	Social	Uncertainty	Alternative 1	Planning	-1	4	4	4	3	5	-18.8	-1	4	2	3	2	4	-11	High	3	3	1.50	-17
26	Social	Concerns about cumulative impacts	Alternative 1	Planning	-1	4	4	4	3	5	-18.8	-1	4	2	3	2	4	-11	High	3	3	1.50	-17
27	Social	Further marginalisation of vulnerable groups	Alternative 1	Planning	-1	4	4	4	3	5	-18.8	-1	4	2	3	2	4	-11	High	3	3	1.50	-17
28	Social	Stakeholder fatigue and disillusionment	Alternative 1	Planning	-1	4	3	3	2	4	-12	-1	3	3	2	3	3	-8.25	High	2	1	1.13	-9
29	Social	Perceived impact on livelihoods	Alternative 1	Operation	-1	4	4	4	3	3	-11.3	-1	4	3	3	3	3	-9.75	Medium	2	3	1.38	-13
30	Social	Impacts on sense and spirit of place	Alternative 1	Operation	-1	4	5	3	3	3	-11.3	-1	4	5	3	3	3	-11.3	Medium	2	3	1.38	-15
31	Social	Impacts on social licence to operate	Alternative 1	Operation	-1	4	4	5	4	5	-21.3	-1	4	2	4	3	4	-13	High	2	2	1.25	-16
32	Social	Community expectations	Alternative 1	Operation	-1	4	4	4	3	4	-15	-1	4	2	3	2	4	-11	High	2	3	1.38	-15
33	Social	Social unrest	Alternative 1	Operation	-1	4	2	3	3	3	-9	-1	4	2	3	2	3	-8.25	High	2	1	1.13	-9