

Appendix A Impact and risk assessment summary

Table A-1: Shipping and navigation impact and risk register – construction, operation and decommissioning

Project activity	Event	Impact ID	Impact description	Receptor	Initial impact assessment				Residual impact assessment		
					Initial mitigation	Sensitivity	Magnitude	Consequence	Final mitigation	Magnitude	Consequence
Construction											
Establishing demarcation areas and safety zones	Displacement of vessels	SNV-01	Increased travel time and distance	Commercial vessels (Ships)	OFF-M22 OFF-M10	Low	Negligible	Negligible	No practicable additional controls	Negligible	Negligible
				Commercial vessels (Other)	SNV-M02	Low	Low	Negligible		Negligible	Negligible
				Commercial fishers	SNV-M09 OFF-M03	Medium	Negligible	Negligible		Negligible	Negligible
				Recreational fishers and boaters	OFF-M12	Medium	Negligible	Negligible		Negligible	Negligible
				Emergency response vessels		Low	Negligible	Negligible		Negligible	Negligible
Vessel activities and installation of infrastructure	Physical barrier to shipping and navigation in the OPA	SNV- 02	Interaction with project vessels in the OPA	Commercial vessels (Ships)	OFF-M22 OFF-M10	Low	Negligible	Negligible	No practicable additional controls	Negligible	Negligible
				Commercial vessels (Other)	SNV-M02	Low	Negligible	Negligible		Negligible	Negligible
				Commercial fishers	SNV-M05 VES-M04	Medium	Negligible	Negligible		Negligible	Negligible
				Recreational fishers and boaters	SNV-M07 VES-M03	High	Negligible	Minor		Negligible	Minor
				Emergency response vessels	OFF-M03 OFF-M12	Low	Negligible	Negligible		Negligible	Negligible
		SNV- 03	Interaction with project infrastructure in the OWFA	Commercial vessels (Ships)	OFF-M22 OFF-M10	Low	Low	Negligible	SNV-M11 - Final layout design consultation	Low	Negligible
				Commercial vessels (Other)	SNV-M02	Low	Low	Negligible		Low	Negligible
				Commercial fishers	OFF-M03 OFF-M12	Medium	Negligible	Negligible		Negligible	Negligible
				Recreational fishers and boaters		High	Negligible	Minor		Negligible	Minor
				Emergency response vessels		Low	Negligible	Negligible		Negligible	Negligible
Installation of pre-commissioned subsea cables (physical presence)	Physical barrier to shipping and navigation in the OPA	SNV- 04	Interaction with subsea export and inter-array cables within the OPA	Commercial vessels (Ships)	OFF-M22 OFF-M10	Low	Negligible	Negligible	No practicable additional controls	Negligible	Negligible
				Commercial vessels (Other)	OFF-M03 OFF-M12	Low	Negligible	Negligible		Negligible	Negligible
				Commercial fishers	SNV-M04	Medium	Negligible	Negligible		Negligible	Negligible
				Recreational fishers and boaters		High	Negligible	Minor		Negligible	Minor
				Emergency response vessels		Low	Negligible	Negligible		Negligible	Negligible
Project vessels transiting to port (physical presence)	Increased vessel traffic in ports the Port of Corner Inlet and Port Albert	SNV-05	Disruption and interaction with project vessels in local ports	Commercial vessels (Ships)	OFF-M22 OFF-M10	Low	Negligible	Negligible	SNV-M07 - vessel passage plan	Negligible	Negligible
				Commercial vessels (Other)	SNV-M05 VES-M04	Low	Negligible	Negligible		Negligible	Negligible
				Commercial fishers	VES-M03	Medium	Negligible	Negligible		Negligible	Negligible

REPORT

Project activity	Event	Impact ID	Impact description	Receptor	Initial impact assessment				Residual impact assessment		
					Initial mitigation	Sensitivity	Magnitude	Consequence	Final mitigation	Magnitude	Consequence
				Recreational fishers and boaters		High	Negligible	Minor		Negligible	Minor
				Emergency response vessels		Low	Negligible	Negligible		Negligible	Negligible
Operations											
Vessel activities and presence of infrastructure , establishing demarcation areas and safety zones	Displacement of vessels	SNV-06	Increased travel distance and time	Commercial vessels (Ships)	OFF-M22 OFF-M10 SNV-M02 SNV-M09	Low	Low	Negligible	No practicable additional controls	Low	Negligible
				Commercial vessels (Other)		Low	Low	Negligible		Low	Negligible
				Commercial fishers		Medium	Negligible	Negligible		Negligible	Negligible
				Recreational fishers and boaters		Medium	Negligible	Negligible		Negligible	Negligible
				Emergency response vessels		Low	Negligible	Negligible		Negligible	Negligible
Vessel activities and presence of infrastructure at the OWFA	Physical barrier to shipping and navigation in the OWFA	SNV-07	Interaction with project vessels in the OWFA	Commercial vessels (Ships)	OFF-M10 OFF-M03 OFF-M12 OFF-M22 SNV-M02 SNV-M05 SNV-M09 VES-M01 VES-M03 VES-M04	Low	Negligible	Negligible	SNV-M13 - Area to be avoided around the Offshore Wind Farm Area	Negligible	Negligible
				Commercial vessels (Other)		Low	Negligible	Negligible		Negligible	Negligible
				Commercial fishers		Medium	Negligible	Negligible		Negligible	Negligible
				Recreational fishers and boaters		High	Negligible	Minor		Negligible	Minor
				Emergency response vessels		Low	Negligible	Negligible		Negligible	Negligible
		SNV-08	Interaction with project infrastructure in the OWFA	Commercial vessels (Ships)	OFF-M22 OFF-M10 SNV-M02 SNV-M09 OFF-M03 OFF-M12	Low	Negligible	Negligible	SNV-M11 - Final layout design consultation SNV-M13 - Area to be avoided around the Offshore Wind Farm Area	Negligible	Negligible
				Commercial vessels (Other)		Low	Negligible	Negligible		Negligible	Negligible
				Commercial fishers		Medium	Negligible	Negligible		Negligible	Negligible
				Recreational fishers and boaters		High	Negligible	Minor		Negligible	Minor
				Emergency response vessels		Low	Negligible	Negligible		Negligible	Negligible
Subsea cables (physical presence)	Physical barrier to shipping and navigation in the OPA	SNV- 09	Interaction with subsea export and inter-array cables within the OPA	Commercial vessels (Ships)	OFF-M22 OFF-M10 SNV-M09 SNV-M04	Low	Negligible	Negligible	No practicable additional controls	Negligible	Negligible
				Commercial vessels (Other)		Low	Negligible	Negligible		Negligible	Negligible
				Commercial fishers		Medium	Negligible	Negligible		Negligible	Negligible

REPORT

Project activity	Event	Impact ID	Impact description	Receptor	Initial impact assessment				Residual impact assessment		
					Initial mitigation	Sensitivity	Magnitude	Consequence	Final mitigation	Magnitude	Consequence
				Recreational fishers and boaters	MEMP-M09	High	Negligible	Minor		Negligible	Minor
				Emergency response vessels		Low	Negligible	Negligible		Negligible	Negligible
Operation of wind turbine generators	Reflection of radar signals by WTG blades	SNV-10	Interference with radar and navigation ability	Commercial vessels (Ships)	OFF-M22 OFF-M10 SNV-M02 SNV-M09	Low	Negligible	Negligible	SNV-M11 - Final layout design consultation SNV-M13 - Area to be avoided around the Offshore Wind Farm Area	Negligible	Negligible
				Commercial vessels (Other)		Low	Negligible	Negligible		Negligible	Negligible
				Commercial fishers		Medium	Negligible	Negligible		Negligible	Negligible
				Recreational fishers and boaters		High	Negligible	Minor		Negligible	Minor
				Emergency response vessels		Low	Negligible	Negligible		Negligible	Negligible
Project vessels transiting to port (physical presence)	Increased vessel traffic in the Port of Corner Inlet and Port Albert	SNV-11	Disruption and interaction with project vessels in local ports	All	OFF-M22 OFF-M10 SNV-M05 VES-M04 VES-M03	Low	Negligible	Negligible	SNV-M07 - vessel passage plan	Negligible	Negligible
						Low	Negligible	Negligible		Negligible	Negligible
						Medium	Negligible	Negligible		Negligible	Negligible
						High	Negligible	Minor		Negligible	Minor
						Low	Negligible	Negligible		Negligible	Negligible