Table 2: Summary of impacts/risks and key proposed controls for installation activities

Aspect	Potential interaction	Proposed Control	
Planned impacts			
Physical presence of subsea infrastructure, field control station and vessels within the Operational Area (OA)	 presence of subsea infrastructure, field control station and vessels within the OA has the potential to interact and disrupt commercial shipping, fishing vessels and marine fauna potential interaction with fishing vessels may result in entanglement of trawl fishing gear on subsea infrastructure 	 relevant parties will be advised of the commencement of marine safety information to be issued via AUSCOAST a commencing the installation activity vessels will meet Chevron Australia's crew competency, the Chevron Australia's Marine, Safety Reliability and Et in accordance with EPBC Regulations 2000 – Part 8 Div implement caution and no approach zones, where pract where required, a simultaneous operation plan will be de 	
Light emissions	 navigation and operational lighting from vessels within the OA may result in a localised and temporary change in ambient light change in ambient light may result in the temporary attraction of light-sensitive species 	 vessels will meet lighting requirements of Chevron Austrie an activity-risk assessment will be undertaken when ves turtle nesting season 	
Underwater sound from marine surveys, vessels and helicopter operations within the OA	 surveys, vessels and/or helicopter operations within the operational area may result in localised and temporary increase to ambient underwater sound levels a change in ambient sound may result in temporary and localised behavioural disturbance to marine fauna 	 in accordance with EPBC Regulations 2000 – Part 8 Divinglement caution and no approach zones, and interact a vessel master (or delegate) will always be on duty 	
Seabed Disturbance	• seabed disturbance from installation activities may result in the alteration of marine habitat and a localised and temporary change in water quality	 pre-lay surveys will be conducted to identify and avoid e infrastructure vessels will meet the crew competency, navigation equip Australia's MSRE process. 	
Air Emissions	combustion of fuel from vessels and helicopters within the operational area may result in a localised and temporary reduction in air quality	 reduced sulphur content fuel will be used when available vessels will comply with the requirements of Marine Ord pollution 	
Planned Discharges – Vessel Operations	 planned discharges from vessel operations may result in localised and temporary change in water quality 	 vessels will comply with the requirements of Marine Ord discharge vessels will comply with the requirements of Marine Ord waste discharge vessels will comply with the requirements of Marine Ord water discharges 	
Planned Discharges – Subsea Operations	 leak testing, flying lead installation and pre-commissioning activities may have the potential to result in planned discharges from subsea operations causing localised and temporary change in water quality change in ambient water quality may result in indirect impacts to marine fauna 	 hazardous materials will be selected and managed in ac Materials Management Procedure 	
Unplanned risks			
Invasive marine pests	planned discharged of ballast water or the presence of biofouling on vessels may have the potential to result in the introduction of an invasive marine pest	 vessels will meet the requirements of the Chevron Austr Vessel ballast water exchanges will be managed in accordance Requirements vessels greater than 400 gross tonnes with an antifoul c antifouling coating certification in accordance with the Pr Act 2006 and/or relevant codes and standards where required, vessel pre-arrival information will be rep as per the Commonwealth Biosecurity Act 2015 	
Accidental release – hazardous materials (fuel bunkering, hydraulic line failure, equipment tie-in)	unplanned release of hazardous material may result in indirect impacts to the marine environment and fauna arising from chemical toxicity	 hazardous materials will be selected and managed in ac Materials Management Procedure vessels will meet the requirements of Chevron Australia inspections of equipment, couplings and secondary cont vessels will comply with the requirements of Marine Ord approved Ship Oil Pollution Emergency Plan in place 	

key phases of the activity

and/or Notice to Mariners (where required) prior to

, navigation equipment, and radar requirements as per fficiency (MSRE) process

vision 8.1 – Interacting with Cetaceans, vessels will ticable

eveloped and implemented to manage the activity

tralia's MSRE process

ssels work at night within critical habitats and during

vision 8.1 – Interacting with Cetaceans, vessels will tion management action

emergent seabed features before installing subsea

ipment, and radar requirements as per the Chevron

der 97 (MARPOL 73/78 Annex VI) in relation to air

der 96 (MARPOL 73/78 Annex IV) in relation to sewage

der 95 (MARPOL 73/78 Annex V) in relation to food

der 91 (MARPOL 73/78 Annex I) in relation to oily bilge

ccordance with Chevron Australia's Hazardous

ralia's Quarantine Management Procedure for Marine

e with the Australian Ballast Water Management

coating are to maintain an up-to-date international rotection of the Sea (Harmful Anti-fouling Systems)

ported through the Maritime Arrivals Reporting System

ccordance with Chevron Australia's Hazardous

a's MSRE process, including the pre-mobilisation tainment availability and refuelling/bunkering process der 91 (MARPOL 73/78 Annex I) in relation to having an

Aspect	Potential interaction	Proposed Control
Accidental release - vessel collision	the potential environmental impacts associated with hydrocarbon exposure from a vessel collision event may result in marine pollution, smothering of subtidal and intertidal habitats, indirect impacts to fisheries, and reduction in amenity	 vessels will meet the crew competency, navigation equi MSRE process notification to relevant agencies of activities and vessel notices to mariners prior to commencing activity vessels will comply with the requirements of Marine Ord approved Ship Oil Pollution Emergency Plan in place emergency response will be implemented in accordanc detailed in Chevron Australia's Oil Pollution Emergency where required, operational and scientific monitoring with Operational and Scientific Monitoring Plan
Accidental release of hydrocarbons from subsea infrastructure (dropped objects)	the potential environmental impacts associated with hydrocarbon exposure from a subsea release may result in marine pollution, shoreline impacts of subtidal and intertidal habitats, indirect impacts to fisheries, and a reduction in amenity	 safe lifting of offsets from existing subsea infrastructure monitoring and redundancy of controls to prevent lifting emergency response will be implemented in accordanc detailed in Chevron Australia's Oil Pollution Emergency where required, operational and scientific monitoring wi Operational and Scientific Monitoring Plan
Emergency response		
Ground disturbance – shoreline spill response	• in the event of a worst-case spill event, if shoreline is impacted, implementing shoreline clean- up techniques involves people and equipment, which may disturb shoreline habitat with subsequent impacts to fauna	where required, operational and scientific monitoring wi Operational and Scientific Monitoring Plan
Physical presence—oiled wildlife response	• in the event of a worst-case spill event, if fauna is affected, the handling and treating of marine fauna will result in personnel interacting with marine fauna	where required, operational and scientific monitoring wi Operational and Scientific Monitoring Plan
Onshore		
Terrestrial Disturbance	Chevron Australia has prepared a separate Information Sheet outlining controls to be implemen please contact the email address listed in the 'your feedback' section	ted to manage impacts and risks associated with terrestrial of

ipment, and radar requirements of Chevron Australia's

movements to allow them to send warnings and/or

der 91 (MARPOL 73/78 Annex I) in relation to having an

e with the response arrangements and strategies / Plan

vill be undertaken in accordance with Chevron Australia's

g equipment failure ce with the response arrangements and strategies y Plan

vill be undertaken in accordance with Chevron Australia's

vill be undertaken in accordance with Chevron Australia's

vill be undertaken in accordance with Chevron Australia's

disturbance on Barrow Island. If you would like a copy,