

APPENDIX 12.1 – APPLICATION OF POLICY AND GUIDANCE

Environmental Factor	EPA policy and guidance EPA and other State or Commonwealth policy or guidance, if relevant	Explain how the EPA policy and guidance has been considered
Western Australian Government		
Key EPA Documents		
<ul style="list-style-type: none"> • Inland Waters; • Benthic Communities and Habitats (BCH); • Flora and Vegetation; • Terrestrial Fauna; • Social Surroundings; • Marine Environmental Quality; and • Marine Fauna. 	Statement of environmental principles, factors, objectives and aims of Environmental Impact Assessment (EIA) (EPA, 2021b)	Used as guidance for the EIA of each environmental factor, as shown in Sections 5-10 of the Supplementary Report (SP).
<ul style="list-style-type: none"> • Inland Waters; • BCH; • Flora and Vegetation; • Terrestrial Fauna; • Social Surroundings; • Marine Environmental Quality; and • Marine Fauna. 	Statutory Guidelines for Mine Closure Plans (DMIRS, 2020)	Used to consider mitigation measures, especially during closure of the Optimised Proposal, as stated in Sections 5.6, 6.6, 7.6, 8.6, 9.6, and 10 of the SP.
<ul style="list-style-type: none"> • Inland Waters; • BCH; • Flora and Vegetation; • Terrestrial Fauna; • Social Surroundings; • Marine Environmental Quality; and • Marine Fauna. 	EIA (Part IV Divisions 1 and 2) Administrative Procedures 2021 (EPA, 2021e)	Used as guidance for the referral process and specific practices of EIA of the Optimised Proposal within the entire SP.
<ul style="list-style-type: none"> • Inland Waters; • BCH; • Flora and Vegetation; • Terrestrial Fauna; • Social Surroundings; • Marine Environmental Quality; and • Marine Fauna. 	EIA (Part IV Divisions 1 and 2) Procedures Manual (EPA, 2021a)	Used as guidance for the essential requirements of EIA of the Optimised Proposal, as shown in Sections 5-10 of the SP.
<ul style="list-style-type: none"> • Inland Waters; • BCH; • Flora and Vegetation; • Terrestrial Fauna; • Social Surroundings; • Marine Environmental Quality; and • Marine Fauna. 	Instructions on how to prepare EP Act Part IV Environmental Management Plans (EPA, 2021f)	Used to design Management Plans required for the development of the Optimised Proposal, as mentioned in Sections 5.6, 6.6, 7.6, 8.6, 9.6, and 10 of the SP.
Relevant EPA Factor Guidelines		
<ul style="list-style-type: none"> • Inland Waters 	Environmental Factor Guideline – Inland Waters (EPA, 2018)	Used as guidance to identify and assess environmental values, potential impacts and predicted outcomes related to Inland Waters, as shown in Sections 5.3, 5.4, 5.5, and 5.7 of the SP.



Environmental Factor	EPA policy and guidance EPA and other State or Commonwealth policy or guidance, if relevant	Explain how the EPA policy and guidance has been considered
<ul style="list-style-type: none"> BCH 	Environmental Factor Guideline – BCH (EPA, 2016a)	Used as guidance to identify and assess environmental values, potential impacts and predicted outcomes related to BCH, as shown in Sections 6.3, 6.4, 6.5, and 6.7 of the SP.
<ul style="list-style-type: none"> Flora and Vegetation 	Environmental Factor Guideline - Flora and Vegetation (EPA, 2016d)	Used as guidance to identify and assess environmental values, potential impacts and predicted outcomes related to Flora and Vegetation, as shown in Sections 7.3, 7.4, 7.5, and 7.7 of the SP.
<ul style="list-style-type: none"> Terrestrial Fauna 	Environmental Factor Guideline – Terrestrial Fauna (EPA, 2016g)	Used as guidance to identify and assess environmental values, potential impacts and predicted outcomes related to Terrestrial Fauna, as shown in Sections 8.3, 8.4, 8.5, and 8.7 of the SP.
<ul style="list-style-type: none"> Social Surroundings 	Environmental Factor Guideline – Social Surroundings (EPA, 2016i)	Used as guidance to identify and assess social values, potential impacts and predicted outcomes related to Social Surroundings, as shown in Section 9.3, 9.4, 9.5, and 9.7 of the SP.
<ul style="list-style-type: none"> Marine Environmental Quality 	Environmental Factor Guideline – Marine Environmental Quality (EPA, 2016j)	Used as guidance to assess potential impacts and outcomes related to Marine Environmental Quality, as shown in Section 10 of the SP.
<ul style="list-style-type: none"> Marine Fauna 	Environmental Factor Guideline - Marine Fauna (EPA, 2016k)	Used as guidance to assess potential impacts and outcomes related to Marine Fauna, as shown in Section 10 of the SP.
Relevant EPA Technical Guidance		
<ul style="list-style-type: none"> BCH; Marine Environmental Quality; and Marine fauna. 	Technical Guidance – Protection of BCH (EPA, 2016b)	Used as guidance to define, assess and manage potential impacts related to BCH, as shown in Sections 6.4, 6.5, 6.6, and 10 of the SP.
<ul style="list-style-type: none"> BCH; Marine Environmental Quality; and Marine fauna. 	Technical Guidance – Protecting the Quality of WA’s Marine Environment (EPA, 2016c)	Used as guidance to define, assess and manage potential impacts related to Marine Environmental Quality, as shown in Sections 6.4, 6.5, 6.6, and 10 of the SP.
<ul style="list-style-type: none"> BCH; and Marine fauna. 	Technical Guidance – EIA of Marine Dredging Proposals (EPA, 2021g)	Used as guidance to predict and assess the extent severity and duration of impacts to benthic habitats associated with dredging activities, as shown in Sections 6 and 10 of the SP.
<ul style="list-style-type: none"> BCH 	Guidance Statement No. 1 – Protection of Tropical Arid Zone Mangroves along the Pilbara Coastline (EPA, 2001)	Used as guidance to manage the pressure on tropical arid zone mangroves, habitat and dependant habitats, as shown in Section 6 of the SP.



Environmental Factor	EPA policy and guidance EPA and other State or Commonwealth policy or guidance, if relevant	Explain how the EPA policy and guidance has been considered
<ul style="list-style-type: none"> Flora and Vegetation 	Technical Guidance – Flora and Vegetation Surveys for EIA (EPA, 2016e)	Used as guidance to plan and undertake Flora and Vegetation surveys and assess survey limitations, as shown in Section 7.3 of the SP.
<ul style="list-style-type: none"> Flora and Vegetation 	Guidance Statement No. 6 – Rehabilitation of Terrestrial Ecosystems (EPA, 2006)	Used as guidance to rehabilitation and monitoring of native vegetation, as shown in Sections 7.6 and 7.7 of the SP.
<ul style="list-style-type: none"> Flora and Vegetation 	Checklist for documents submitted for EIA of proposals that have the potential to significantly impact on Sea and Land factors (EPA, 2016f)	Used in the final checking of documents to submit to the EPA for EIA of the Flora and Vegetation Key environmental factor, as shown in Section 7 of the SP.
<ul style="list-style-type: none"> Terrestrial Fauna 	Technical Guidance – Terrestrial vertebrate fauna surveys for environmental impact assessment (EPA, 2020)	Used as guidance to undertake terrestrial fauna surveys and assess survey limitations, as shown in Section 8.3 of the SP.
<ul style="list-style-type: none"> Terrestrial Fauna 	Technical Guidance – Sampling of short-range endemic (SRE) invertebrate fauna (EPA, 2016h)	Used as guidance to undertake SRE invertebrate fauna surveys and assess survey limitations, as shown in Section 8.3 of the SP.
<ul style="list-style-type: none"> Terrestrial Fauna 	Survey guidelines for Australia’s threatened bats (DEWHA, 2010a)	Used as guidance to undertake bat surveys and assess survey limitations, as shown in Section 8.3 of the SP.
<ul style="list-style-type: none"> Social Surroundings 	Guidance Statement No. 41 – Assessment of Aboriginal Heritage (EPA, 2004)	Used as guidance for assessment and management of physical and social impacts on Aboriginal Heritage, as shown in Section 9 of the SP.
<ul style="list-style-type: none"> Marine fauna 	Environmental Assessment Guideline No. 5 – Protecting Marine Turtles from Light Impacts (EPA, 2010)	Used as guidance to develop an “Illumination Plan” that tends to avoid, reduce, manage and mitigate light impacts on marine turtles, as shown in Section 10 of the SP.
Other Policy and Guidance		
<ul style="list-style-type: none"> Inland Waters; BCH; and Marine Environmental Quality. 	Australian and New Zealand Guidelines for Fresh and Marine Water Quality (ANZG, 2018)	Used as guidance to compare and assess water quality parameters in Section 5.3 of the SP.
<ul style="list-style-type: none"> Inland Waters 	Australian Groundwater Modelling Guidelines (Waterlines Report No. 82) (Barnett et al., 2012)	Used as guidance to develop the Groundwater Management Plan mentioned in Sections 5.5, 5.6, and 5.7 of the SP.
<ul style="list-style-type: none"> Inland Waters 	Western Australian Water in Mining Guideline. Water licensing delivery series. Report No. 12 (DoW, 2013)	Used as guidance to develop the Groundwater Management Plan mentioned in Sections 5.5, 5.6, and 5.7 of the SP.



Environmental Factor	EPA policy and guidance EPA and other State or Commonwealth policy or guidance, if relevant	Explain how the EPA policy and guidance has been considered
<ul style="list-style-type: none"> Inland Waters 	Operational Policy 5.12 – Hydrogeological reporting associated with a groundwater well licence (DoW, 2009)	Used as guidance to assessment and monitoring reports, as shown in Sections 5.5, 5.6, and 5.7 of the SP.
<ul style="list-style-type: none"> BCH; and Marine Environmental Quality. 	Pilbara Coastal Water Quality Consultation Outcomes – Environmental Values and Environmental Quality Objectives. Marine Series Report No. 1 (DoE, 2006)	Used as guidance to BCH and Marine Environmental Quality management, as shown in Sections 6.6 and 10 of the SP.
<ul style="list-style-type: none"> Flora and Vegetation 	<i>Biosecurity and Agriculture Management Act 2007</i>	Used as guidance to manage introduced flora, as shown in Section 7.3 of the SP.
<ul style="list-style-type: none"> Marine Environmental Quality 	Identification and investigation of acid sulphate soils and acidic landscapes (DoER, 2015a)	Used as guidance for assessment of Acid Sulphate Soils risk, as shown in Section 5.3 of the SP.
<ul style="list-style-type: none"> Marine Environmental Quality 	Treatment and management of soil and water in acid sulphate soil landscapes (DoER, 2015b)	Used as guidance for assessment of Acid Sulphate Soils risk, as shown in Section 5.3 of the SP.
<ul style="list-style-type: none"> Marine Fauna 	Status reports of the fisheries and aquatic resources of Western Australia 2015/16: State of the Fisheries (Department of Fisheries, 2017)	Used as guidance for assessment of Marine Fauna as shown in Section 10 of the SP.
<ul style="list-style-type: none"> Inland Waters; BCH; Flora and Vegetation; Terrestrial Fauna; Marine Environmental Quality; and Marine Fauna. 	WA Environmental Offsets Policy (EPA, 2011)	Used to determine whether offsets were expected to be required for the Key and other environmental factors as mentioned in Sections 5.6, 6.6, 7.6, 8.6, 10, and 11 of the SP.
<ul style="list-style-type: none"> Inland Waters; BCH; Flora and Vegetation; Terrestrial Fauna; Marine Environmental Quality; and Marine Fauna. 	WA Environmental Offsets Guidelines (EPA, 2014a)	Used to determine whether offsets were expected to be required for the Key and other environmental factors as mentioned in Sections 5.6, 6.6, 7.6, 8.6, 10, and 11 of the SP.
<ul style="list-style-type: none"> Inland Waters; BCH; Flora and Vegetation; Terrestrial Fauna; Marine Environmental Quality; and Marine Fauna. 	WA Offsets Template (EPA, 2014b)	Used to determine whether offsets were expected to be required for the Key and other environmental factors as shown in Sections 5.6, 6.6, 7.6, 8.6, 10, and 11.3 of the SP.
Commonwealth Government		
Key Documents		
<ul style="list-style-type: none"> Inland Waters; BCH; Flora and Vegetation; Terrestrial Fauna; Marine Environmental Quality; and Marine Fauna. 	EPBC Act Environmental Offsets Policy (DSEWPaC, 2012a) – including the Offset Assessment guide	Used to determine whether offsets were expected to be required for the Key and other environmental factors as mentioned in Sections 5.6, 6.6, 7.6, 8.6, 10, and 11 of the SP.



Environmental Factor	EPA policy and guidance EPA and other State or Commonwealth policy or guidance, if relevant	Explain how the EPA policy and guidance has been considered
<ul style="list-style-type: none"> Inland Waters; BCH; Flora and Vegetation; Terrestrial Fauna; Social Surroundings; Marine Environmental Quality; and Marine Fauna. 	Environmental Management Plan Guidelines (DoE, 2014)	Used as guidance to design Management Plans required for the development of the Optimised Proposal, as mentioned in Sections 5.6, 6.6, 7.6, 8.6, 9.6, and 10 of the SP.
<ul style="list-style-type: none"> Inland Waters; BCH; Flora and Vegetation; Terrestrial Fauna; Social Surroundings; Marine Environmental Quality; and Marine Fauna. 	EPBC Act Condition Setting Policy (DAWE, 2020)	Used as guidance for the referral process and EIA of the Optimised Proposal within the entire SP.
<ul style="list-style-type: none"> Inland Waters; BCH; Flora and Vegetation; Terrestrial Fauna; Social Surroundings; Marine Environmental Quality; and Marine Fauna. 	EPBC Act Outcomes-based conditions policy (DoE, 2016a)	Used as guidance to design outcome-based Management Plans required for the development of the Optimised Proposal, as mentioned in Sections 5.6, 6.6, 7.6, 8.6, 9.6, and 10 of the SP.
Relevant Technical Guidance		
<ul style="list-style-type: none"> Inland Waters; BCH; Flora and Vegetation; Terrestrial Fauna; Marine Environmental Quality; and Marine Fauna. 	Relevant EPBC listed species specific survey guidelines and protocols	Used as guidance to undertake surveys of EPBC listed species and assess survey limitations, as shown in Sections 11 and 12 of the SP.
<ul style="list-style-type: none"> Inland Waters; BCH; Flora and Vegetation; Terrestrial Fauna; Marine Environmental Quality; and Marine Fauna. 	Relevant EPBC listed species specific Recovery plans, Threat Abatement Plans, Approved Conservation Advices and other documents	Used as guidance to assess and manage EPBC listed species, as shown in Sections 11 and 12 of the SP.
<ul style="list-style-type: none"> BCH; Terrestrial Fauna; Marine Environmental Quality; and Marine Fauna. 	Marine bioregional plan for the North-west Marine Region (DSEWPaC, 2012b)	Used as guidance to assess impacts on relevant Key and other environmental factors based on marine environment and conservation values, as shown in Sections 6.5, 10, 12, and 13 of the SP.
<ul style="list-style-type: none"> BCH; and Marine Fauna. 	National Assessment Guidelines for Dredging (DEWHA, 2009a)	Used as guidance to assess, manage, and monitor impacts associated with dredging activities, as shown in Sections 6 and 10 of the SP.
<ul style="list-style-type: none"> BCH; Marine Environmental Quality; and Marine Fauna. 	Environmental best practice port development: an analysis of international approaches (GHD, 2013)	Used as guidance to assess and manage the impacts on relevant Key and other environmental factors and in particular the MNES, as mentioned in Sections 6.6, 10, and 12 of the SP.



Environmental Factor	EPA policy and guidance EPA and other State or Commonwealth policy or guidance, if relevant	Explain how the EPA policy and guidance has been considered
<ul style="list-style-type: none"> • Social Surroundings 	Engage Early - Guidance for proponents on best practice Indigenous engagement for environmental assessments under the EPBC Act (DoE, 2016b)	Used as guidance for assessment and management of physical and social impacts on Aboriginal Heritage, as shown in Section 9 of the SP.
<ul style="list-style-type: none"> • Marine Fauna 	National Light Pollution Guidelines for Wildlife Including Marine Turtles, Seabirds and Migratory Shorebirds (DoEE, 2020)	Used as guidance to develop an “Illumination Plan” that tend to avoid, reduce, manage and mitigate light impacts on Marine Fauna (including MNES species), as shown in Sections 10 and 12 of the SP.
<ul style="list-style-type: none"> • Marine Fauna 	National Strategy for Reducing Vessel Strike on Cetaceans and other Marine Megafauna (DoEE, 2017b)	Used as guidance for manage Marine Fauna as shown in Section 10 of the SP.

